List of safety elements generating machine stoppage

SFSRFH #

FILLER

Performance through Understanding

Sidel

FAULT 4354

Text
FILLER - 003EPA - Outlet COP door position fault

Cause:

When the 003EPA electrovalve isn't excited (COP door closed), don't arrives the closure sensor feedback on PLC card.

Consequences

It's a critical fault, causes a machine stop.

Location

Corrective actions

_ Check the status of feedback sensor;
_ Check the sliding of outlet COP door;
_ Check the functioning of piston;

FAULT 4710

Text
FILLER - 004EAA - VLT fault

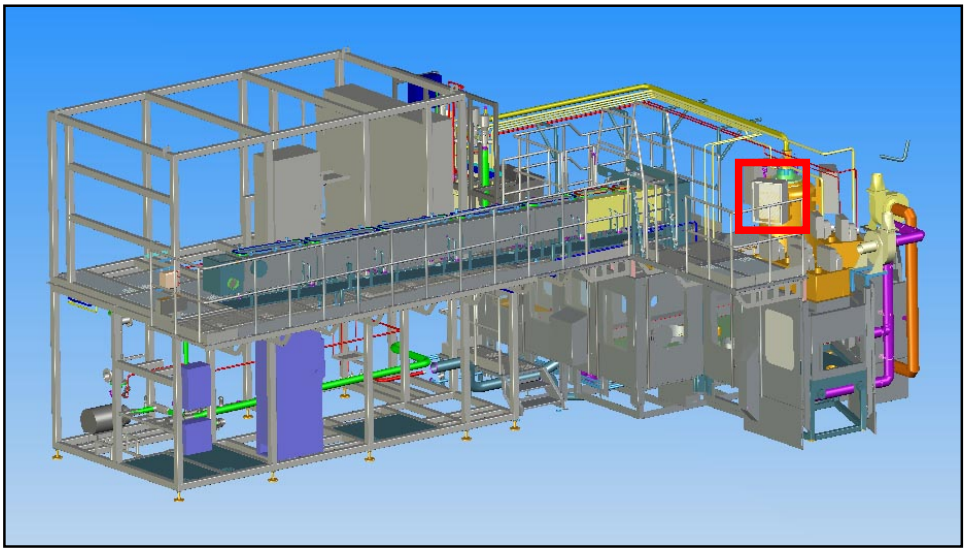
Cause

When arrives by profibus communication an alarm signal from inverter (004EAA).

Consequences

It's a critical fault, causes a motorization ramp Stop

Location



Corrective actions

_ Check the status of inverter;
_ Check if the inverter isn't in local mode;

FAULT 4713

Text
FILLER - 004EAA - Disconnector fault

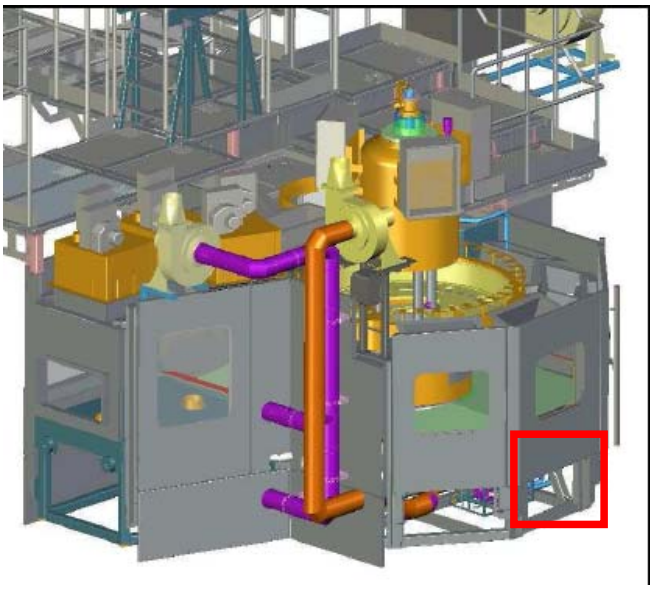
Cause

When don't arrive on PLC card, the feedback signal of disconnector (3010Q6).

Consequences

It's a critical fault, causes a motorization ramp Stop

Location



Corrective actions

_ Check the status of disconnector;
_ Replace the component;

FAULT 4714

Text
FILLER - 004EAA - Thermal overload

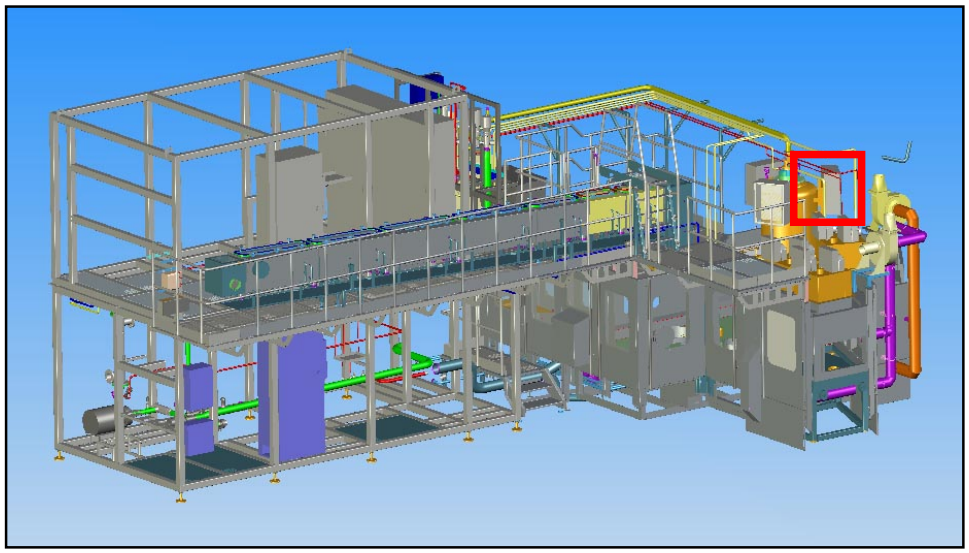
Cause

The thermic goes in trip when the current load is greater then the "Ir" sett on the thermic switch.

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check if there isn't continuity from each phases to the ground;
_ Check the settings of load current on the thermic switch;

FAULT 4715

Text
FILLER - 001MAA - VLT fault (exit conveyor)

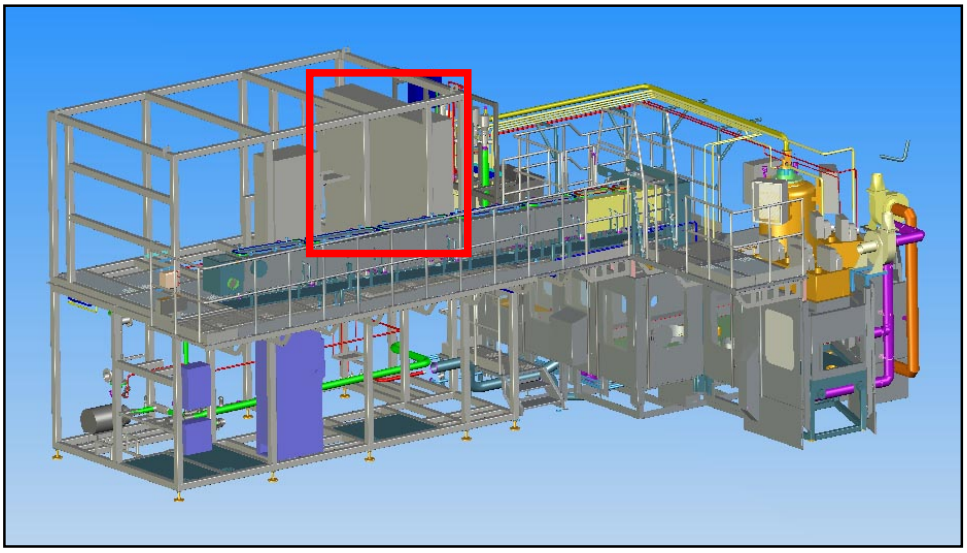
Cause

When arrives by profibus communication an alarm signal from inverter (001MAA).

Consequences

It's a critical fault, causes a motorization ramp Stop

Location



Corrective actions

_ Check the status of inverter;
_ Check if the inverter isn't in local mode;

FAULT 4718

Text
FILLER - 001MAA - Disconnector fault (exit conveyor)

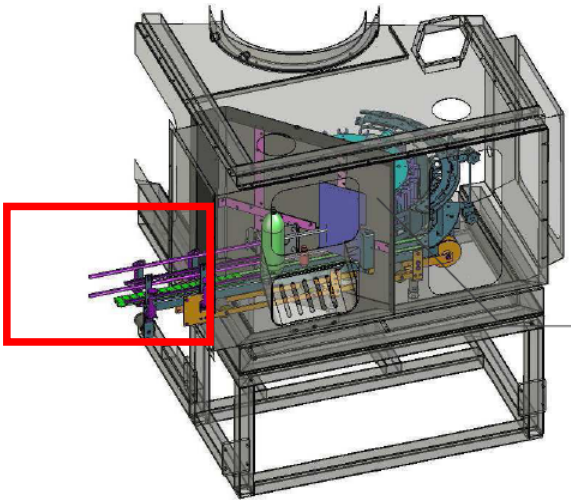
Cause

When don't arrive on PLC card, the feedback signal of disconnector (001MIA).

Consequences

It's a critical fault, causes a motorization ramp Stop

Location



Corrective actions

_ Check the status of disconnector;
_ Replace the component;

FAULT 4719

Text
FILLER - 001MAA - Thermal overload (exit conveyor)

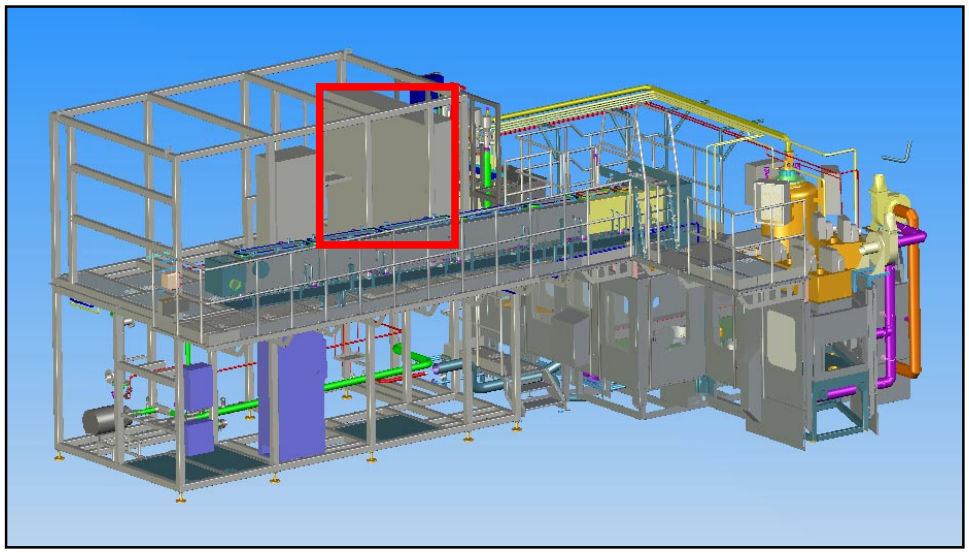
Cause

The thermic goes in trip when the current load is greater then the "Ir" sett on the thermic switch.

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check if there isn't continuity from each phases to the ground;
_ Check the settings of load current on the thermic switch;

FAULT 4818

Text
FILLER - 4 way valve product - Steam Inlet TT low

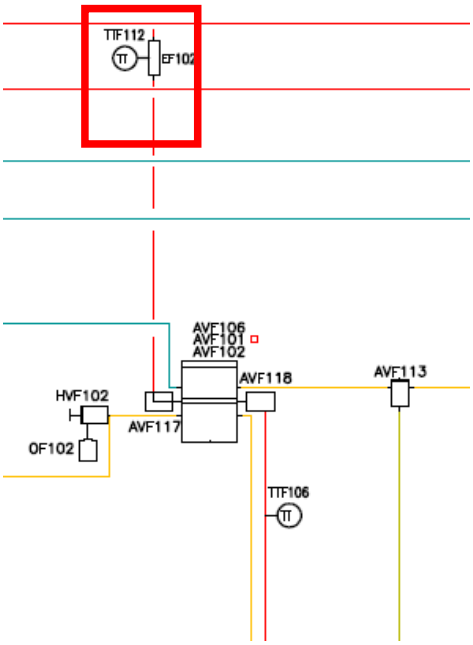
Cause

During SIP cycle, the temperature read by TTF112 is lower that the minimum sterilization temperature parameter for a established time.

Consequences

It's an alarm, causes a SIP tank freeze.

Location



Corrective actions

_ Check the status of steam circuit;
_ Check the status of the temperature transducer (PT100);
_ Check the status of AVF117 and AVF118;
_ Verify if the mounting of AVF117 and AVF118,in according with p&ID;

FAULT 4820

Text
FILLER - 4 way valve product - Steam Inlet TT low

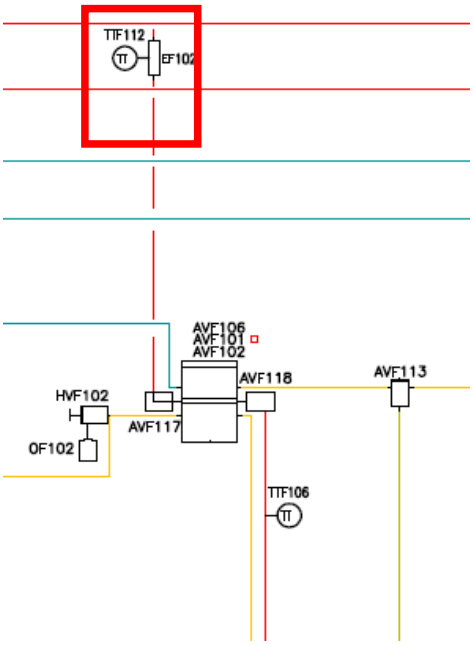
Cause

During halted sterile and production mode, the temperature read by TTF112 is lower that the minimum production temperature parameter for a established time.

Consequences

It's an alarm, maintenance action type.

Location



Corrective actions

_ Check the status of steam circuit;
_ Check the status of the temperature transducer (PT100);
_ Check the status of AVF117 and AVF118;
_ Verify if the mounting of AVF117 and AVF118,in according with p&ID;

FAULT 4849

Text
FILLER - TTB103 - Fault analog input

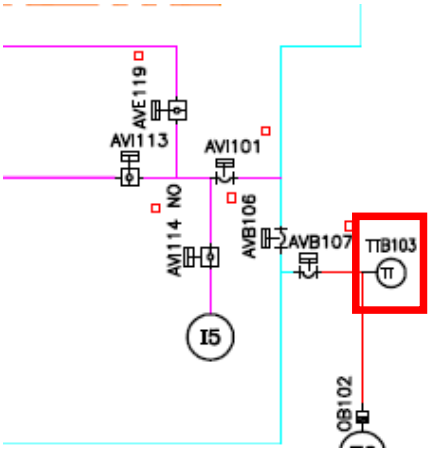
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4853

Text
FILLER - TTF105 - Fault analog input

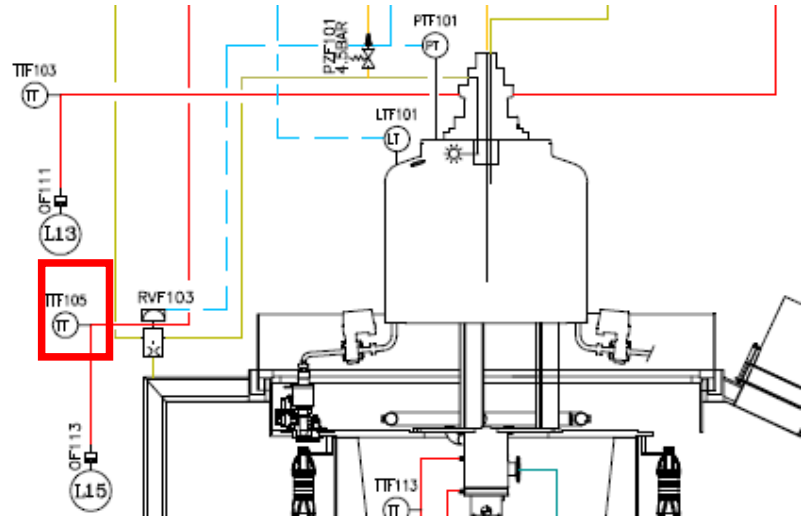
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4855

Text
FILLER - LTF101 - Fault analog input

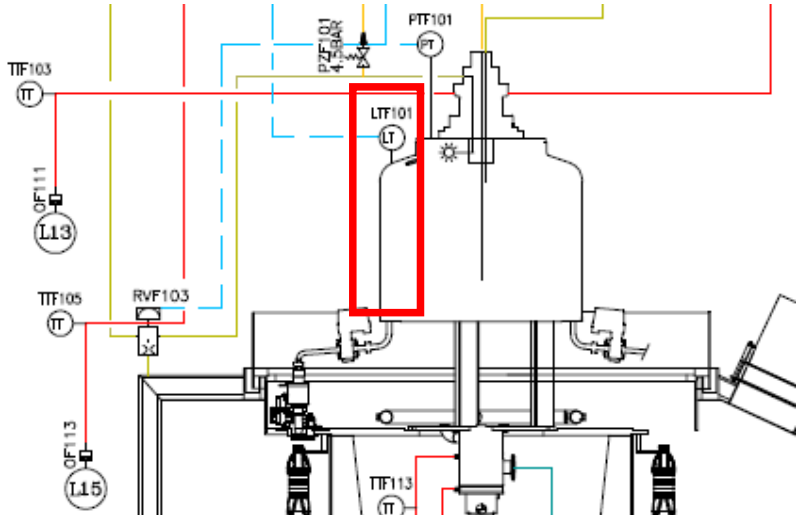
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Check if the calibration is correct;
_ Replace the component;

FAULT 4856

Text
FILLER - TTS101 - Fault analog input

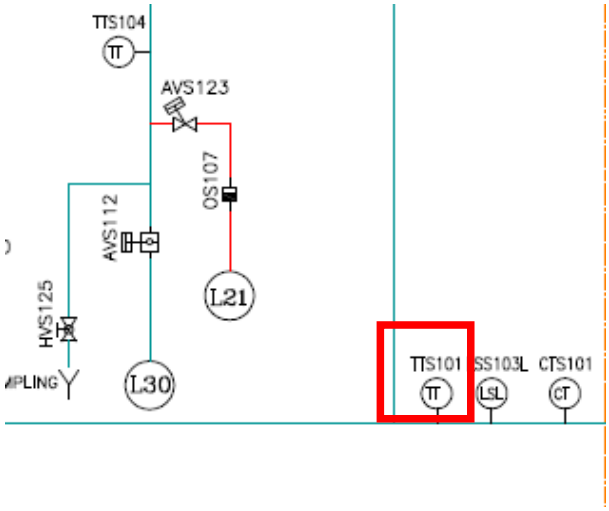
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4857

Text
FILLER - TTS102 - Fault analog input

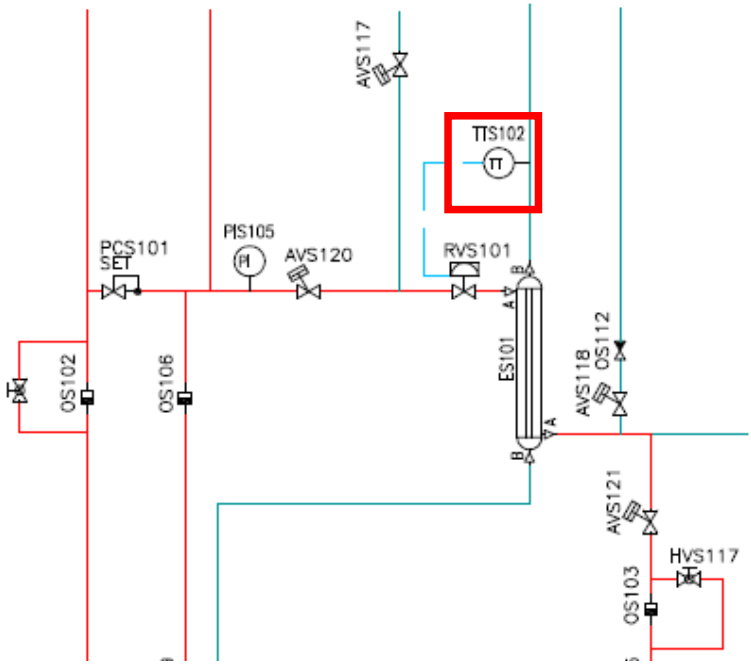
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4859

Text
FILLER - TTS104 - Fault analog input

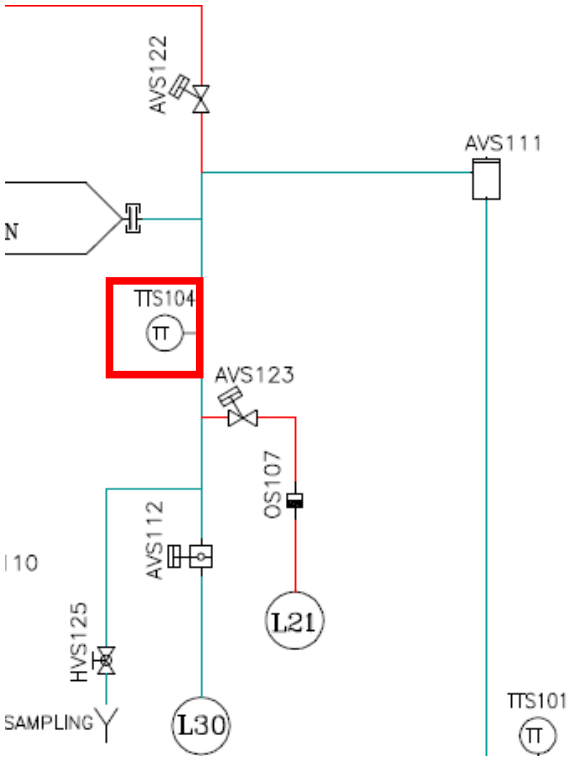
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4860

Text
FILLER - TTS105 - Fault analog input

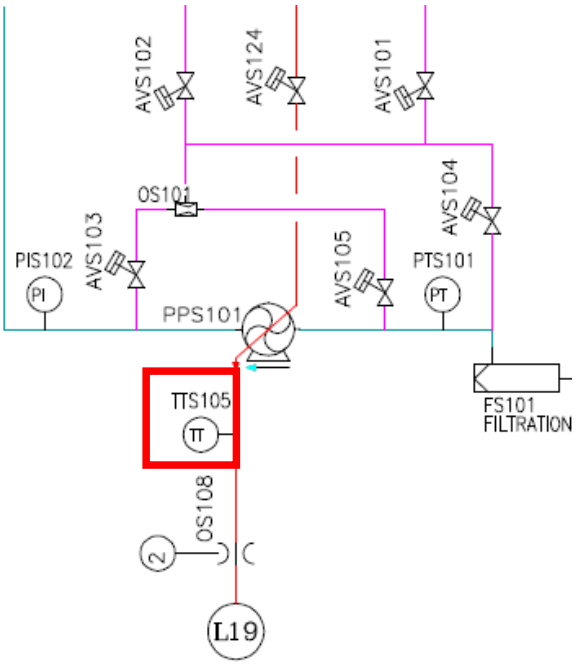
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4861

Text
FILLER - TTF101 - Fault analog input

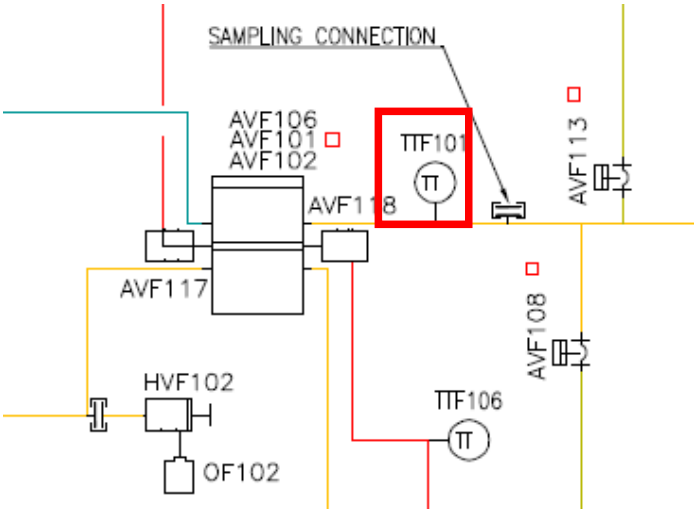
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4862

Text
FILLER - TTF107 - Fault analog input

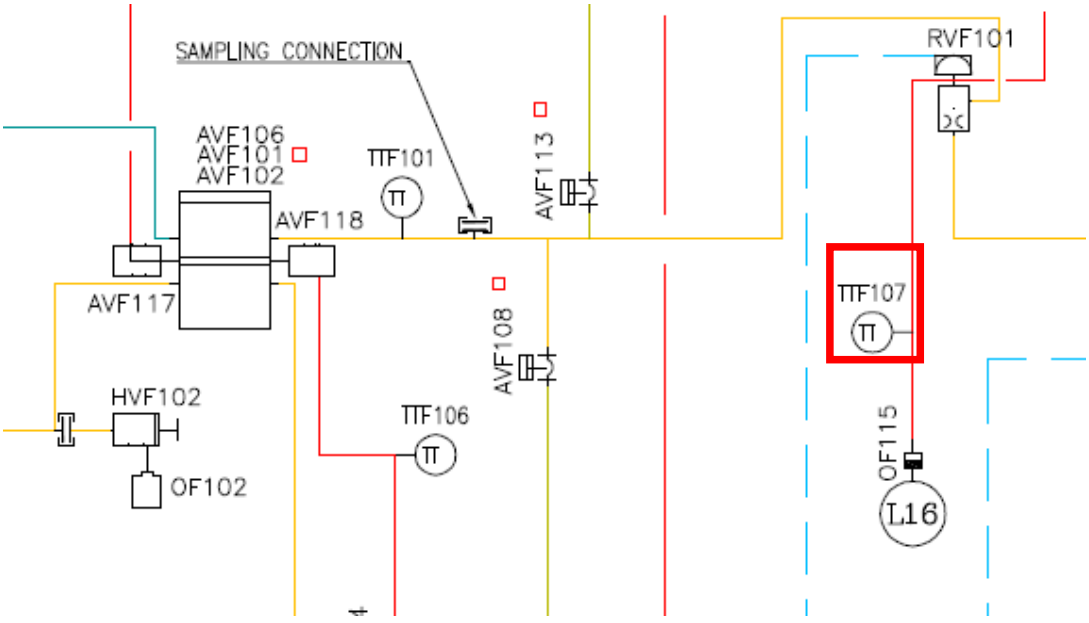
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4863

Text
FILLER - TTF102 - Fault analog input

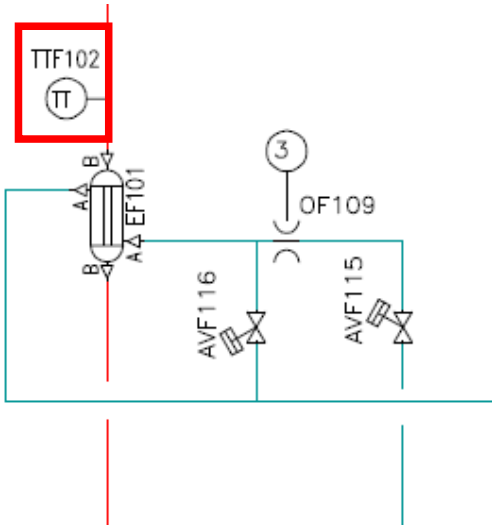
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4864

Text
FILLER - TTF111 - Fault analog input

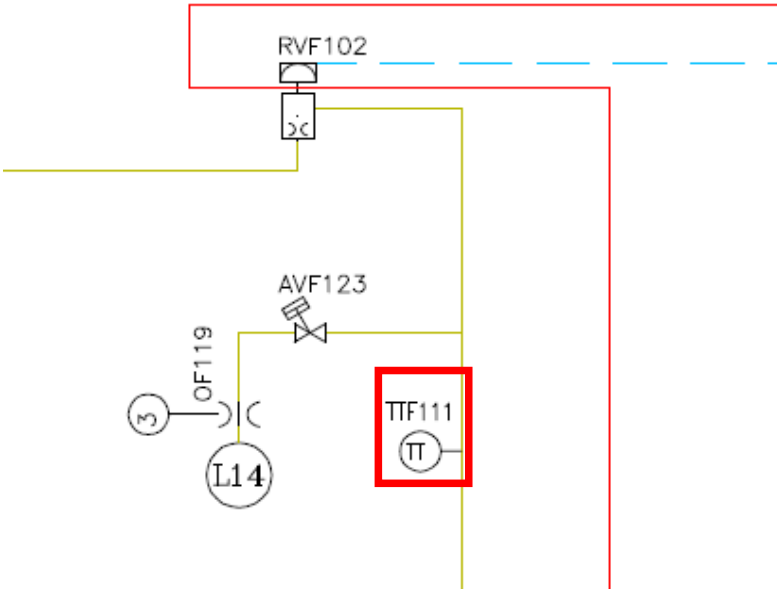
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4865

Text
FILLER - TTF104 - Fault analog input

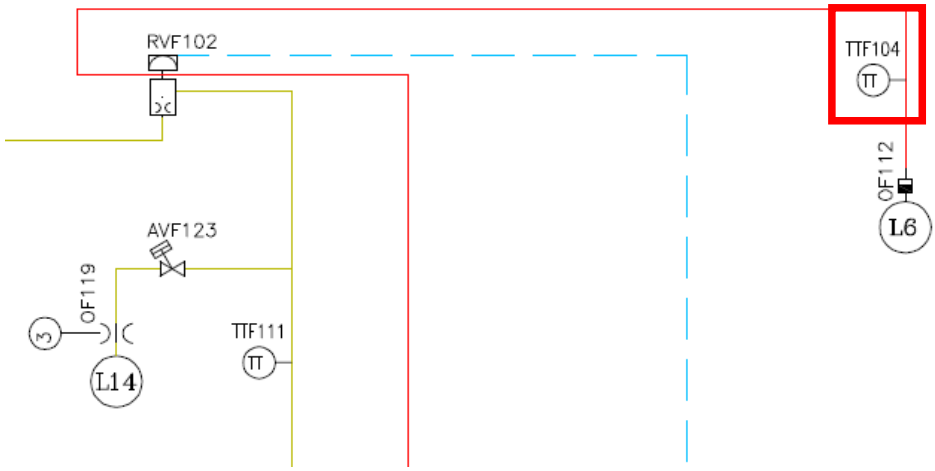
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4866

Text
FILLER - TTF106 - Fault analog input

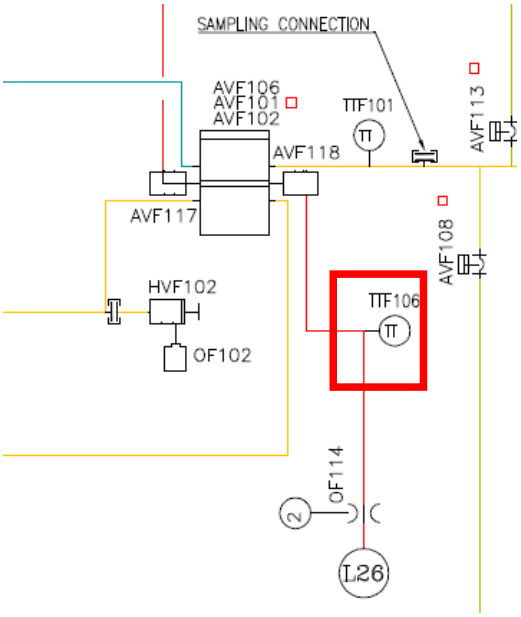
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4868

Text
FILLER - TTF103 - Fault analog input

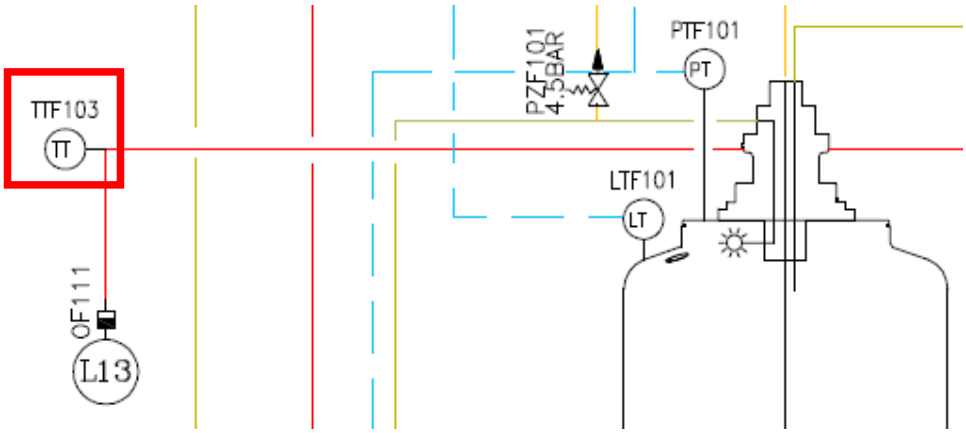
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4869

Text
FILLER - TTG101 - Fault analog input

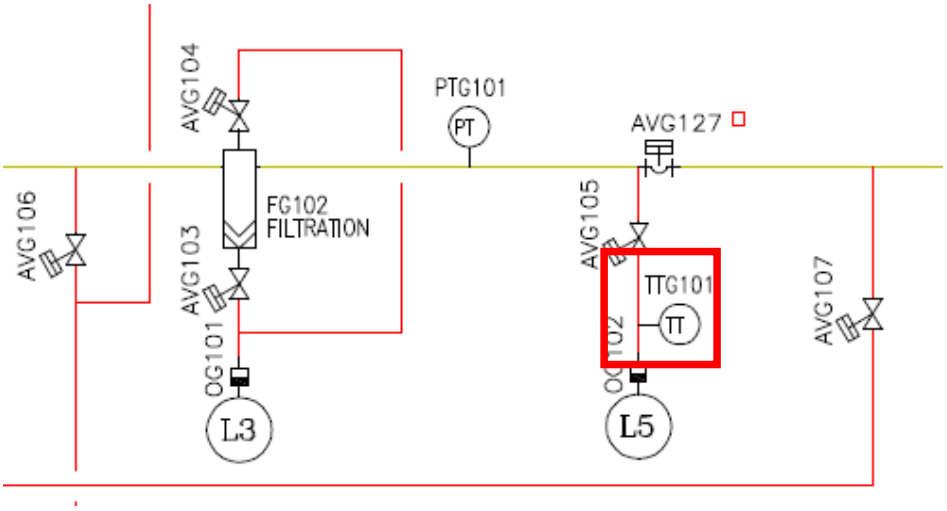
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4870

Text
FILLER - TTG102 - Fault analog input

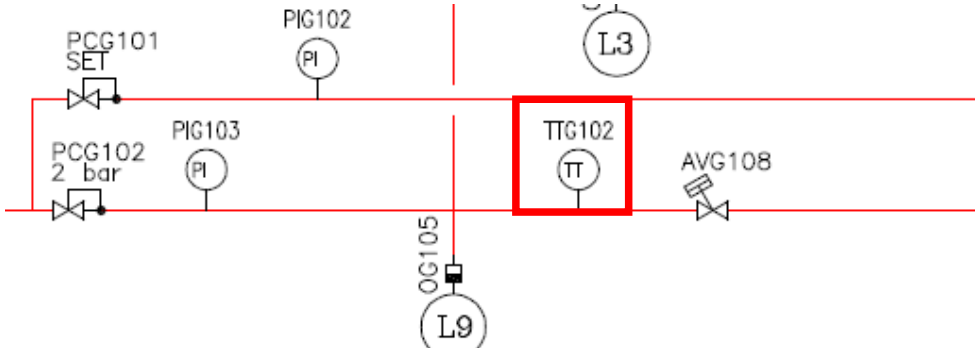
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4871

Text
FILLER - TTG103 - Fault analog input

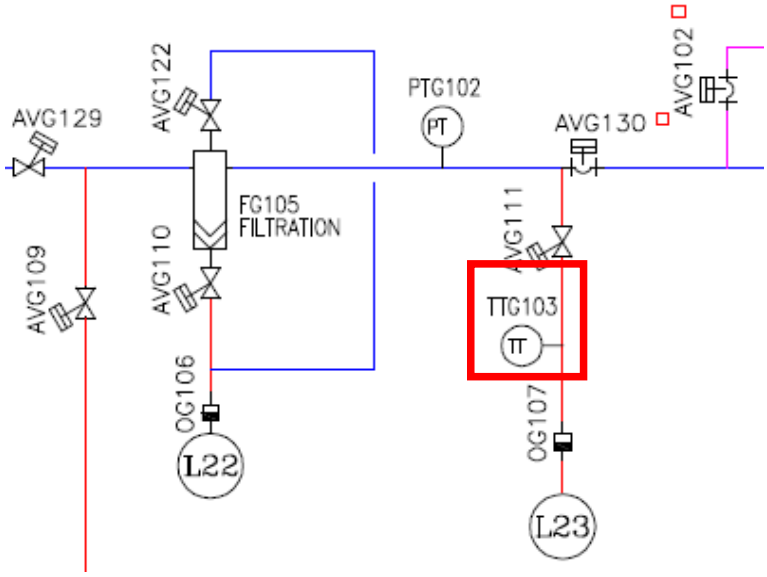
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4874

Text
FILLER - CTS101 - Fault analog input (conductivity)

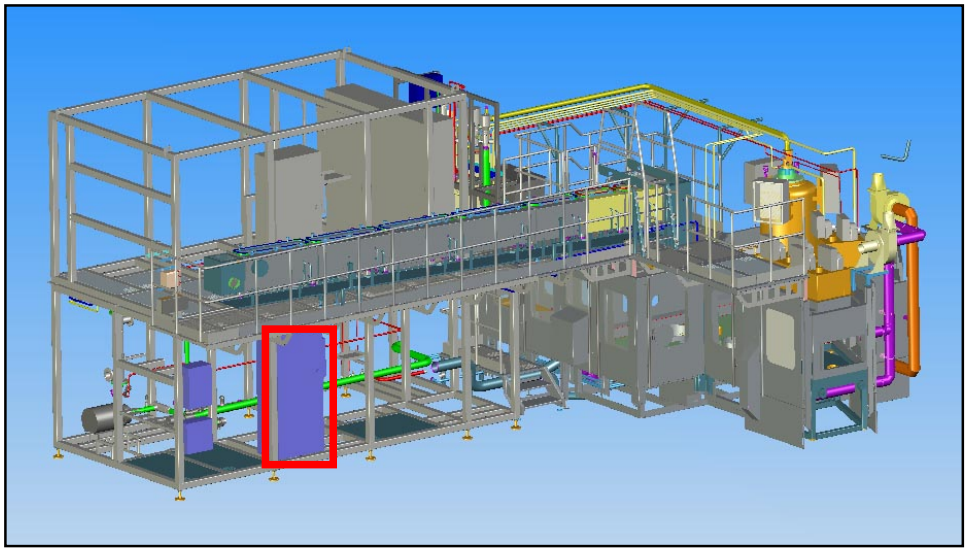
Cause

When the analog signal (conductivity) read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the sensor used from the device;

FAULT 4875

Text
FILLER - CTS101 - Fault analog input (temperature)

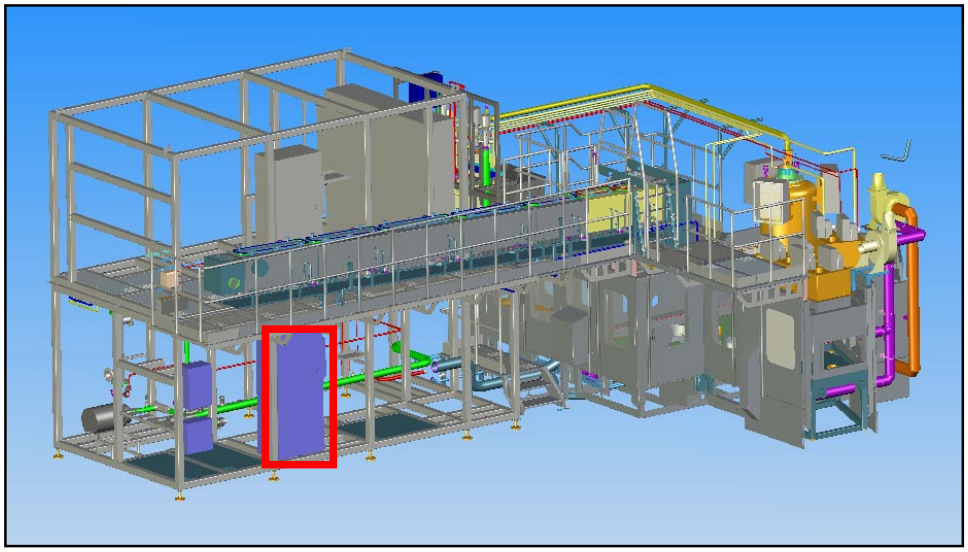
Cause

When the analog signal (temperature) read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the sensor used from the device;

FAULT 4876

Text
FILLER - PTS101 - Fault analog input

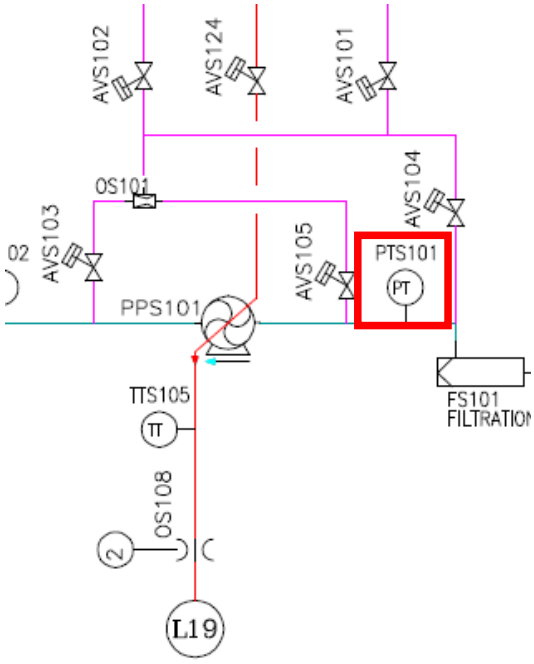
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the device;

FAULT 4877

Text
FILLER - PTG101 - Fault analog input

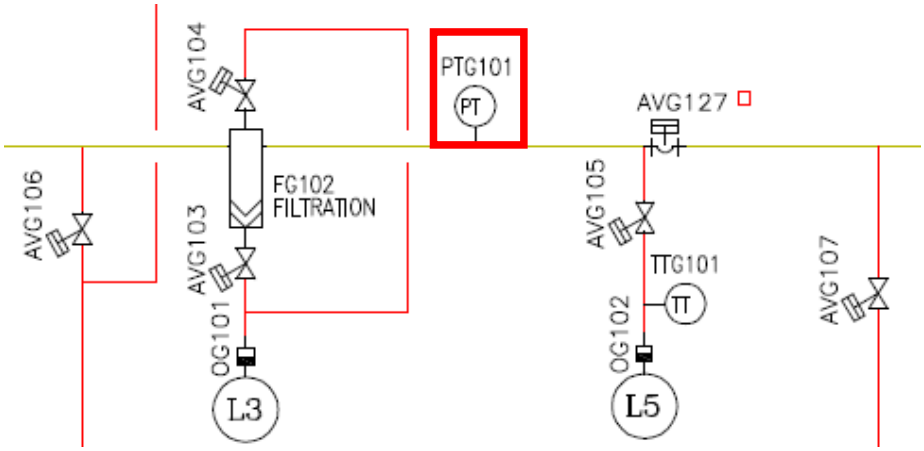
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4878

Text
FILLER - PTG102 - Fault analog input

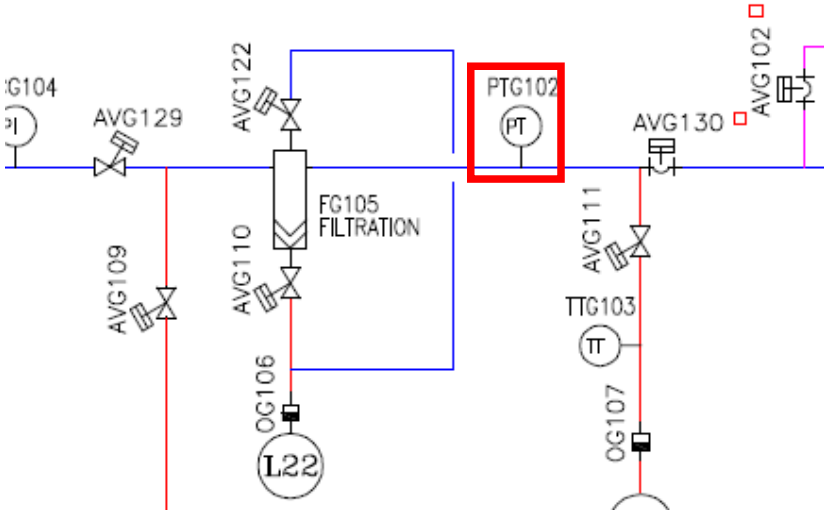
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4879

Text
FILLER - FTG101 - Fault analog input

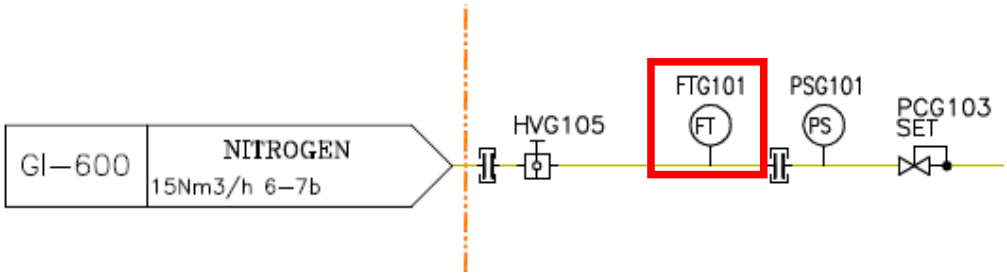
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Verify the parameterization setted on device;
_ Replace the component;

FAULT 4880

Text
FILLER - FTG102 - Fault analog input

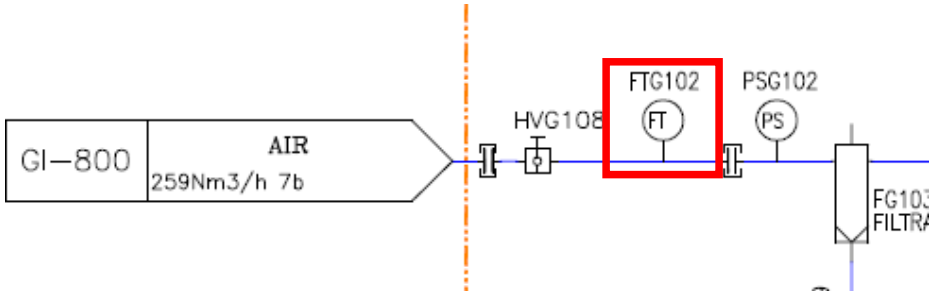
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Verify the parameterization setted on device;
_ Replace the component;

FAULT 4881

Text
FILLER - PTF101 - Fault analog input

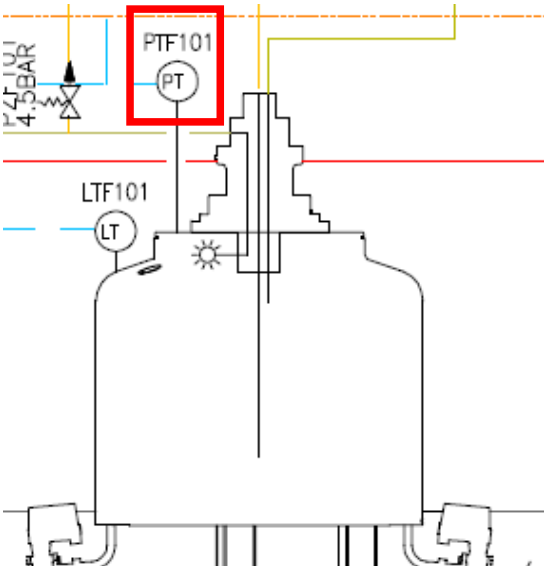
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4882

Text
FILLER - TTF110 - Fault analog input

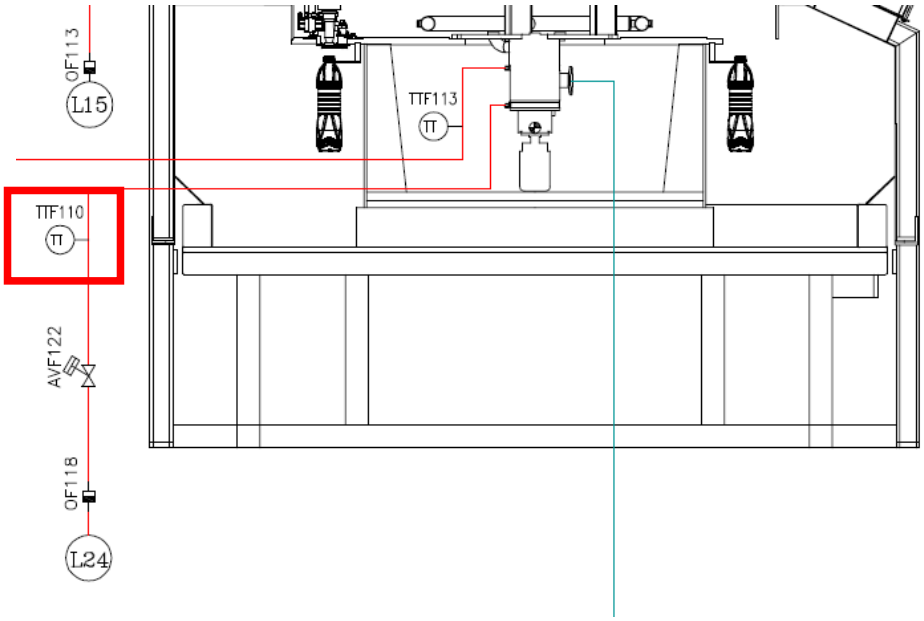
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4884

Text
FILLER - 005PTJ - Fault analog input

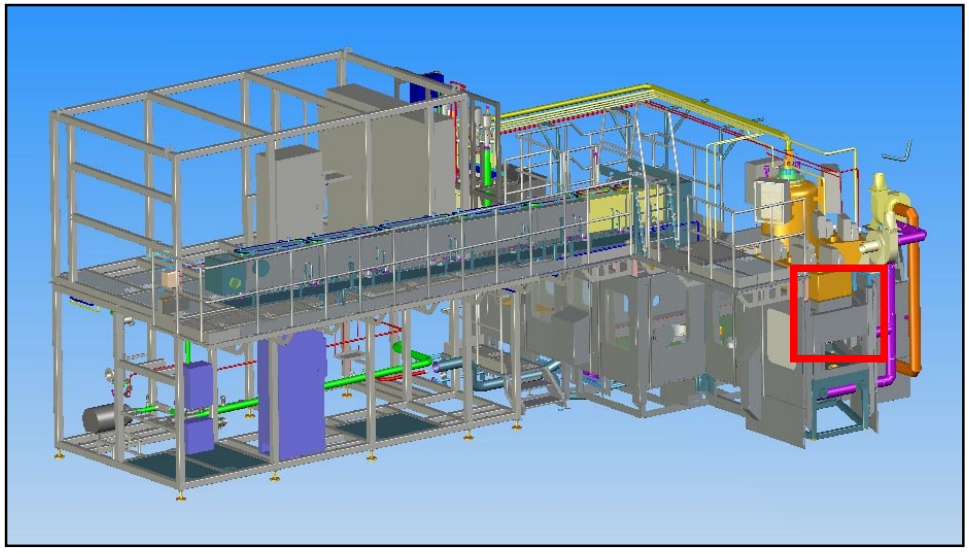
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4890

Text
FILLER - TTF112 - Fault analog input

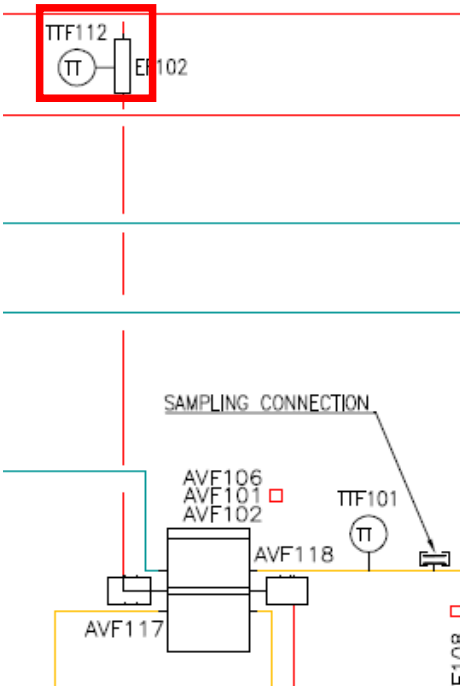
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 4900

Text
INFEED - Transfer Window Blower not close

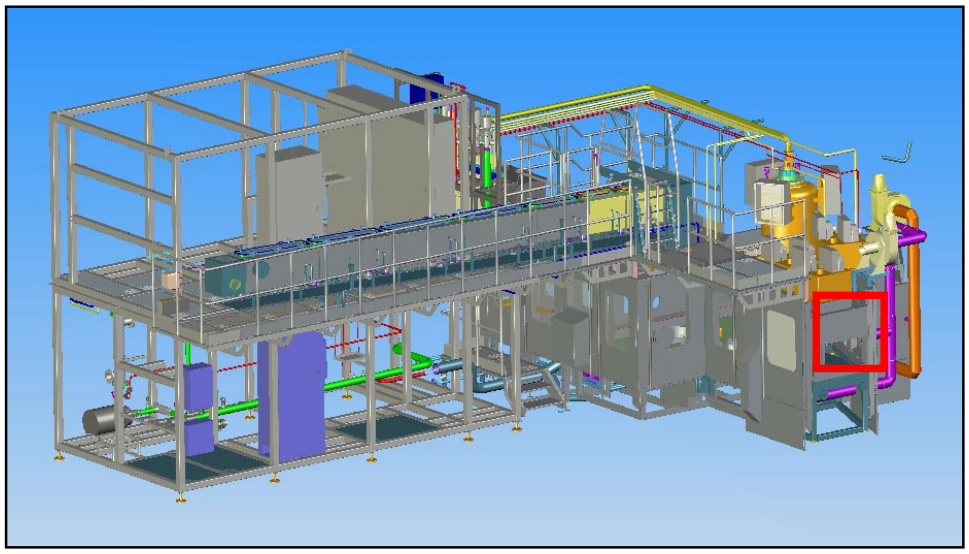
Cause

During CIP-SIP cycle, don’t arrives from blower a "transfer window close" signal.

Consequences

It’s a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check the status of the sensor;
_ Check if the transfer windows is close;
_ Check if the transfer window is mounted in a correct way;

FAULT 4901

Text
INFEED - Transfer Window Blower not close

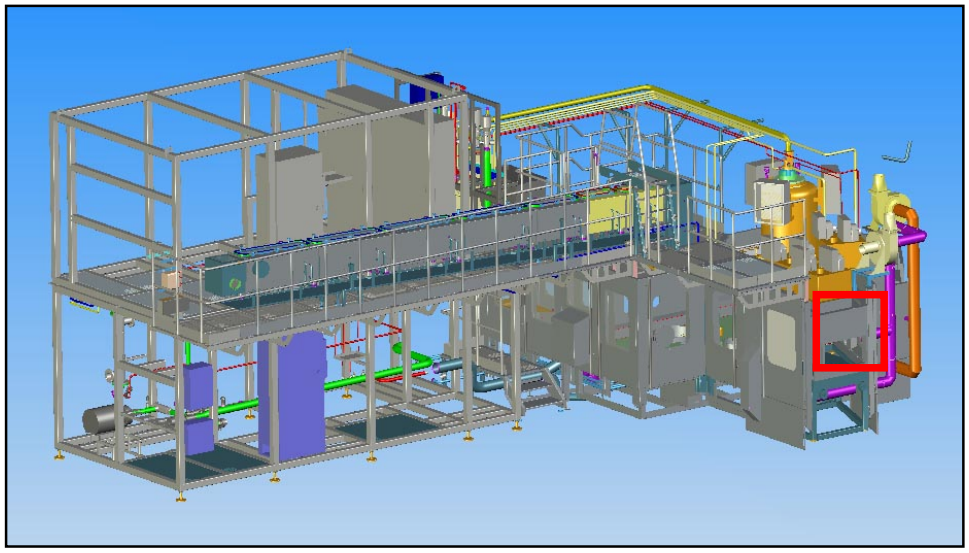
Cause

During halted sterile mode and production mode, don’t arrives from blower a "transfer window close" signal.

Consequences

It’s a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check the status of the sensor;
_ Check if the transfer windows is close;
_ Check if the transfer window is mounted in a correct way;

FAULT 4903

Text
AVB106 - Position fault

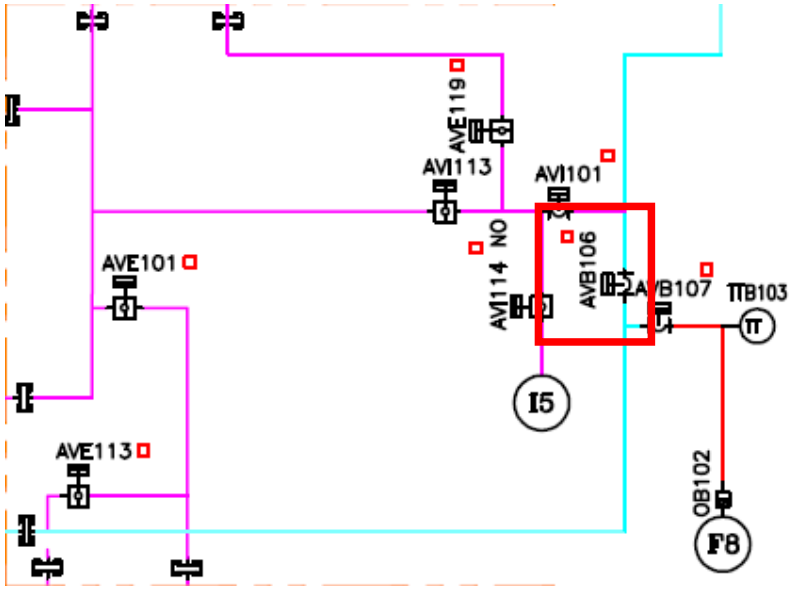
Cause

the feedback sensor don't arrive on the PLC card.

Consequences

It's a critical fault, causes a motorization ramp Stop

Location



Corrective actions

_ Check the status led on the feedback sensor (red led+orange led=sensor reading);
_ Check the mechanical functioning valve;
_ Check if the sensor support of the valve is in correct position;

FAULT 4904

Text
AVB107 - Position fault

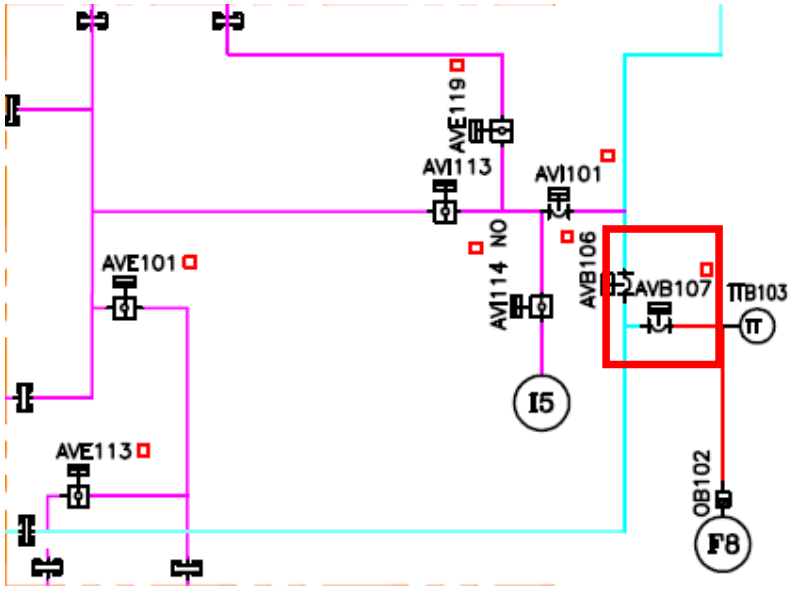
Cause

the feedback sensor don't arrive on the PLC card.

Consequences

It's a critical fault, causes a motorization ramp Stop

Location



Corrective actions

_ Check the status led on the feedback sensor (red led+orange led=sensor reading);
_ Check the mechanical functioning valve;
_ Check if the sensor support of the valve is in correct position;

FAULT 5067

Text
AVF134 - Position fault

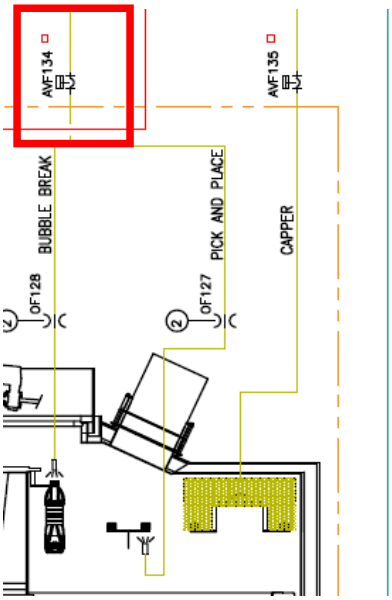
Cause

the feedback sensor don't arrive on the PLC card.

Consequences

It’s a critical fault, causes a motorization ramp Stop

Location



Corrective actions

_ Check the status led on the feedback sensor (red led+orange led=sensor reading);
_ Check the mechanical functioning valve;
_ Check if the sensor support of the valve is in correct position;

FAULT 5068

Text
AVF135 - Position fault

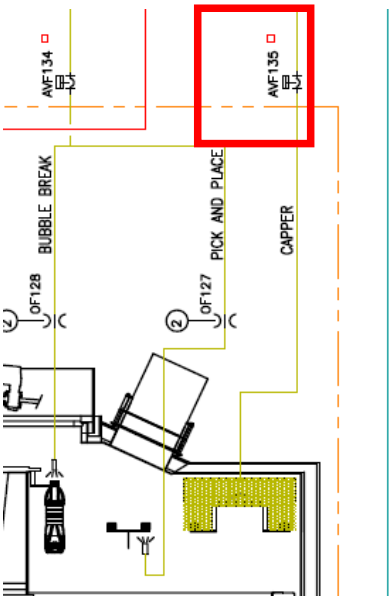
Cause

the feedback sensor don't arrive on the PLC card.

Consequences

It's a critical fault, causes a motorization ramp Stop

Location



Corrective actions

_ Check the status led on the feedback sensor (red led+orange led=sensor reading);
_ Check the mechanical functioning valve;
_ Check if the sensor support of the valve is in correct position;

FAULT 4518

Text
FILLER - 003EIA - Badly clipsed bottles detection

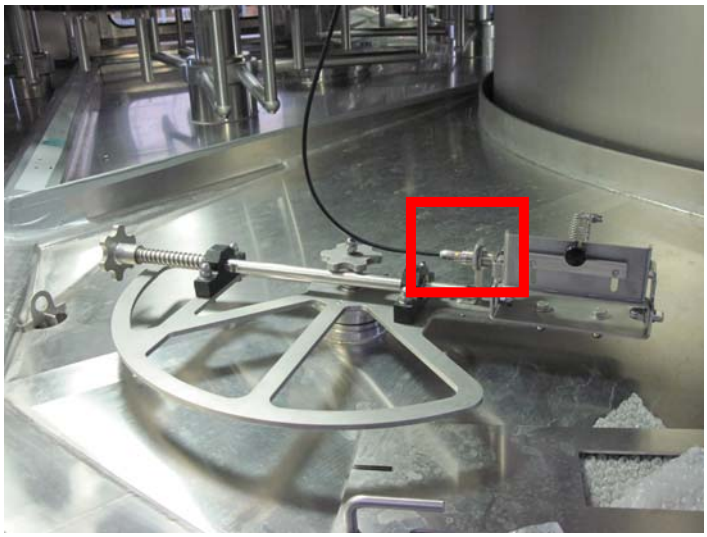
Cause:

When the signal of 003EIA sensor don’t arrive on PLC card.

Consequences

It’s a critical fault, causes a machine fast stop.

Location



Corrective actions

_ Check the status of sensor;
_ Check the status of bottle detection device;

FAULT 4615

Text
FILLER - 4 way valve product - Low temperature steam barrier

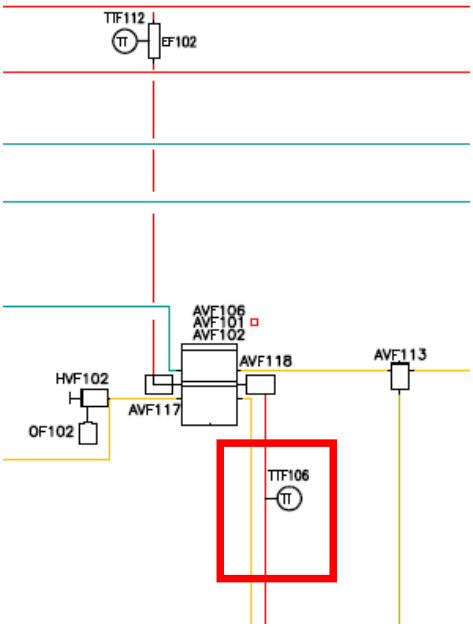
Cause

During SIP cycle, the temperature read by TTF106 is lower that the minimum sterilization temperature for a established time.

Consequences

It's an alarm, causes a SIP tank freeze.

Location



Corrective actions

_ Check the status of the temperature transducer (PT100);
_ Check the status of AVF117 and AVF118;
_ Verify if the mounting of AVF117 and AVF118,in according with p&ID.;
_ Check if the ogive isn't clogged;

FAULT 4616

Text
FILLER - 4 way valve product - Position fault

Cause:

When the AVF101 valve is excited and the feedback signal by GSF101 don't arrives on PLC card.

Consequences

It's a critical fault, causes a machine stop.

Location

Corrective actions

_ Check the status of sensor;
_ Check the status of 4 way valve;

FAULT 4617

Text
FILLER - 4 way valve product - Sterility lost

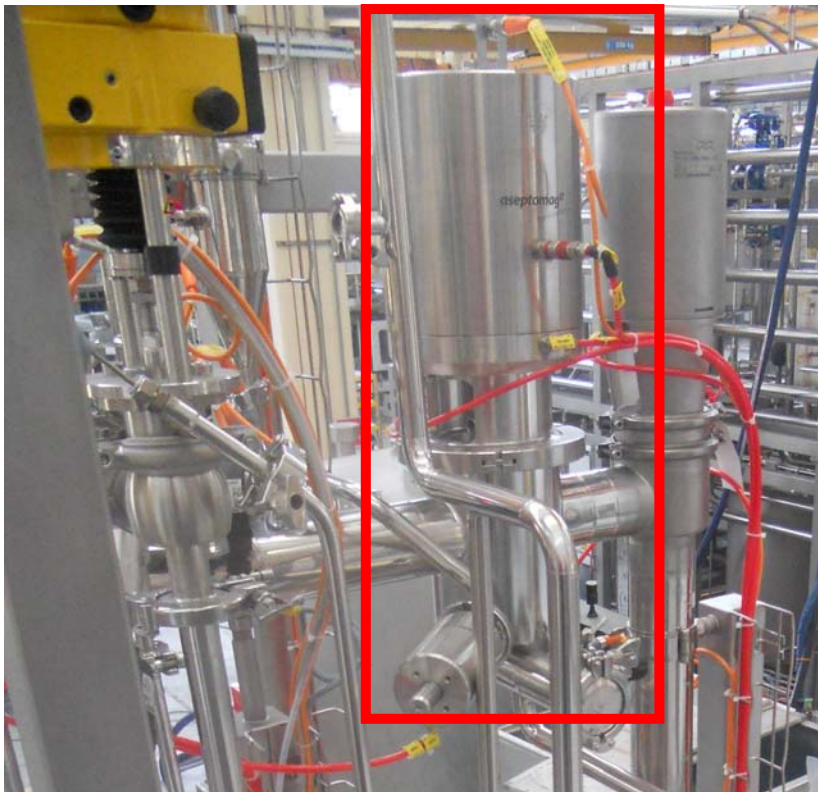
Cause:
during production or SIP cycle, the visualization of this alarm due to the summation of one or more alarms:

- Fault 4615;
- Fault 4637;
- Fault 4818;
- Fault 4820;

Consequences

It's a critical fault, causes a machine stop.

Location



Corrective actions
_ Check the status of 4 way valve;

FAULT 4637

Text
FILLER - 4 way valve product - Low temperature steam barrier

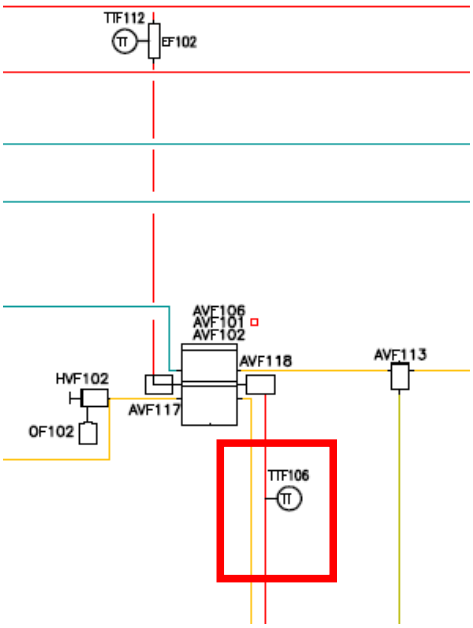
Cause

During halted sterile and production mode, the temperature read by TTF106 is lower that the minimum production temperature parameter for a established time.

Consequences

It's an alarm, maintenance action type.

Location



Corrective actions

_ Check the status of steam circuit;
_ Check the status of the temperature transducer (PT100);
_ Check the status of AVF117 and AVF118;
_ Verify if the mounting of AVF117 and AVF118,in according with p&ID;
_ Check if the ogive isn't clogged;

FAULT 4652

Text
FILLER - AVB103 - Position fault

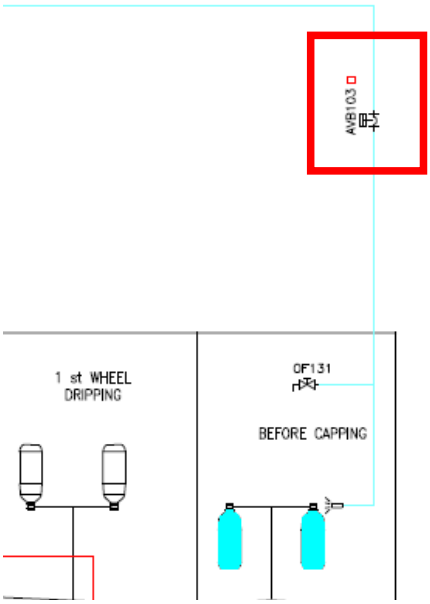
Cause

the feedback sensor don't arrive on the PLC card.

Consequences

It's a critical fault, causes a motorization ramp Stop

Location



Corrective actions

_ Check the status led on the feedback sensor (red led+orange led=sensor reading);
_ Check the mechanical functioning valve;
_ Check if the sensor support of the valve is in correct position;

AIR TREATMENT

Performance through Understanding

Sidel

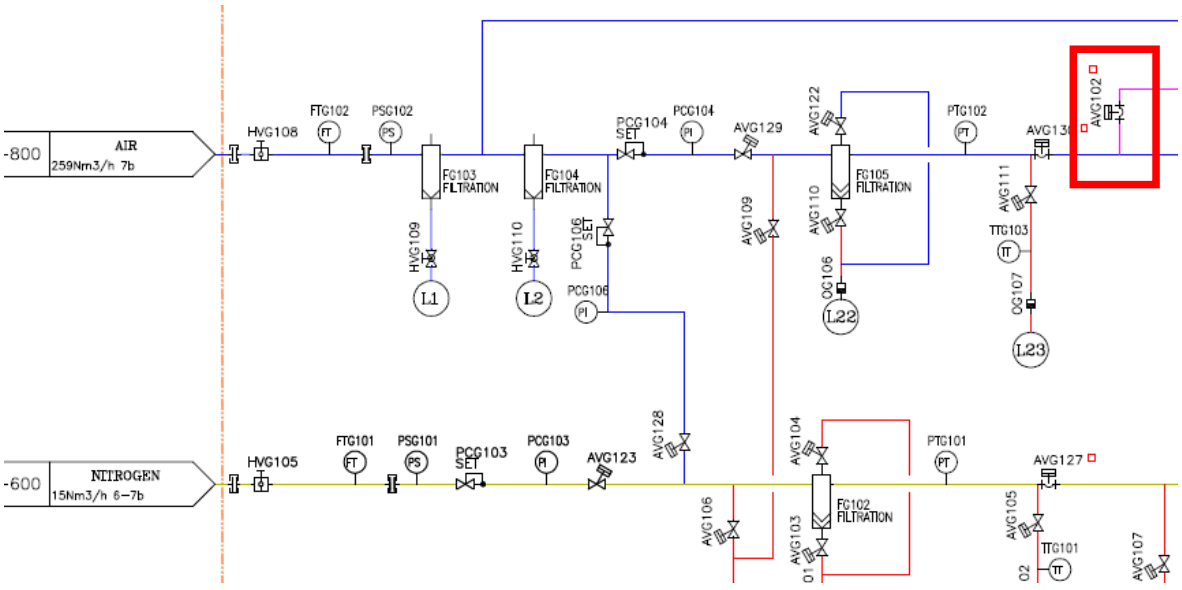
FAULT 4185

Text
AIR TREATMENT - AVG102 - POSITION FAULT

Cause:
The feedback sensor don't arrive on the PLC card.

Consequences:
Critical fault, causes a motorization ramp Stop

Location:



Corrective actions:

- Check the status led on the feedback sensor (red LED + orange LED=sensor reading).
- Check the mechanical functioning valve.
- Check if the sensor support of the valve is in correct position.

FAULT 4185

Text
AIR TREATMENT - AVG102 - POSITION FAULT

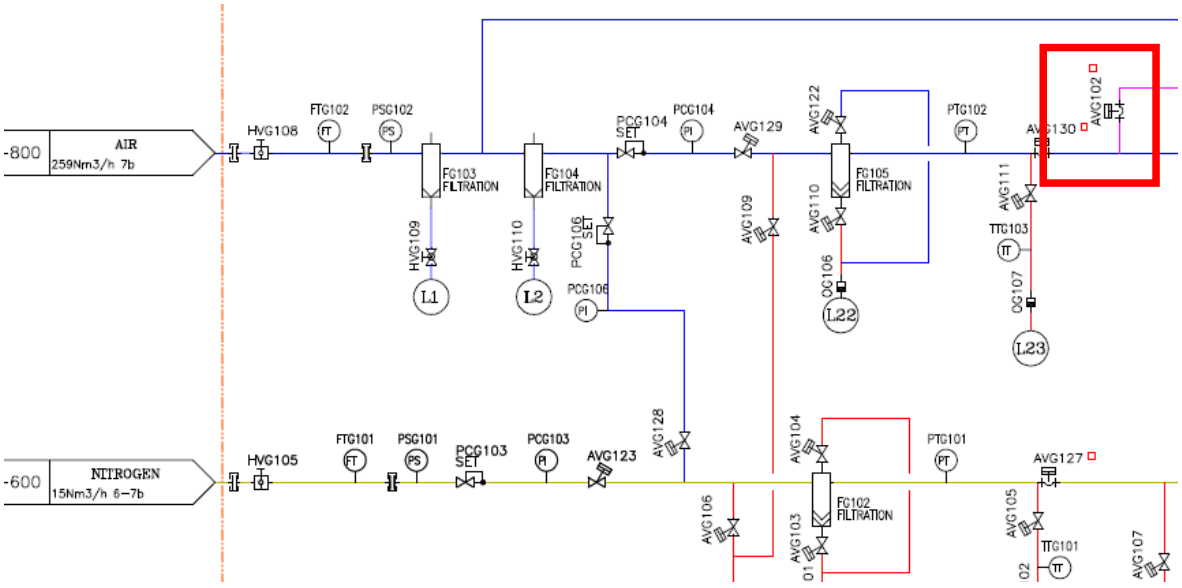
Cause

the feedback sensor don't arrive on the PLC card.

Consequences

It's a critical fault, causes a motorization ramp Stop

Location



Corrective actions

_ Check the status led on the feedback sensor (red led+orange led=sensor reading);
_ Check the mechanical functioning valve;
_ Check if the sensor support of the valve is in correct position;

FAULT 4192

Text
AIR TREATMENT - AVG130 - POSITION FAULT

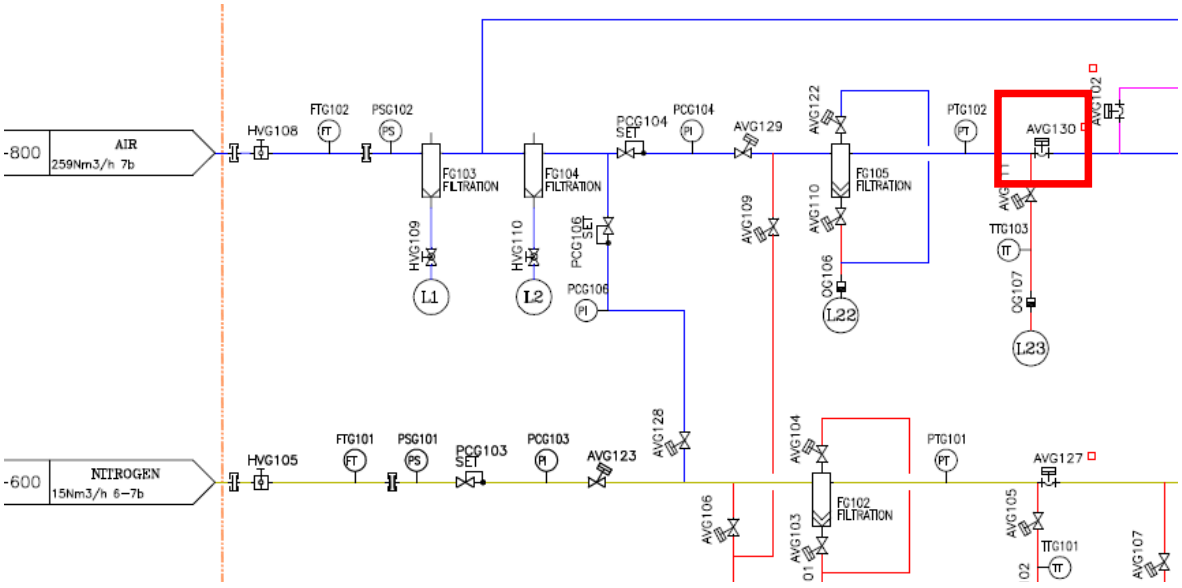
Cause

the feedback sensor don't arrive on the PLC card.

Consequences

It’s a critical fault, causes a motorization ramp Stop

Location



Corrective actions

_ Check the status led on the feedback sensor (red led+orange led=sensor reading);
_ Check the mechanical functioning valve;
_ Check if the sensor support of the valve is in correct position;

FAULT 4320

Text
AIR TREATMENT- AIR FILTER - TIMEOUT WARM UP

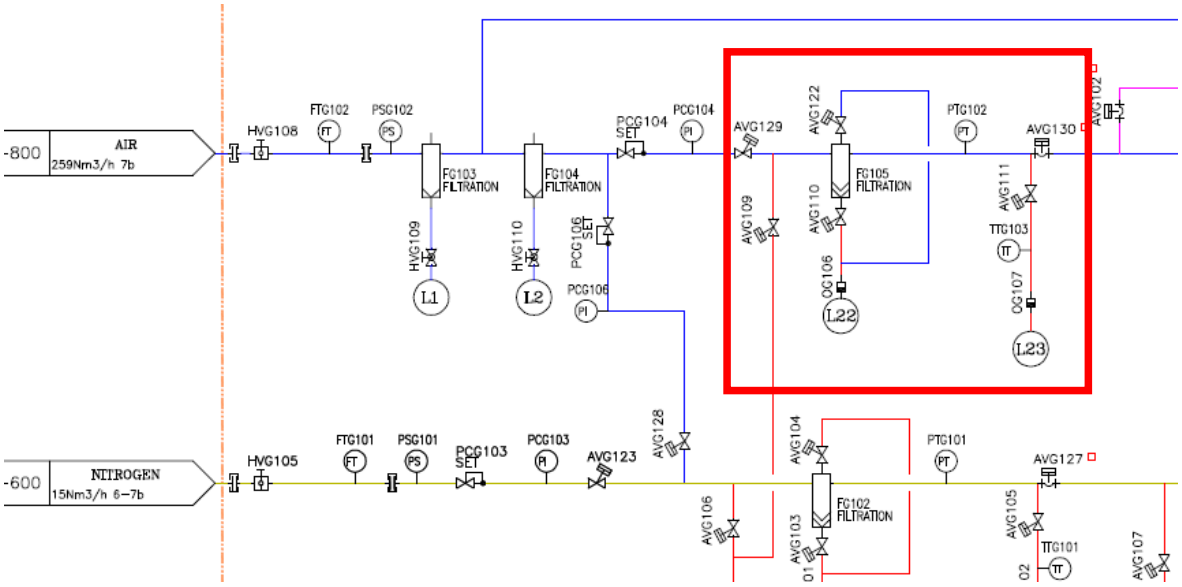
Cause

When the machine are in SIP cycle, filter sterilization sub mode, the sip warm up temperature filter (TTG103) doesn't arrive at filter warm up temperature set-point within a specified time (timeout warm up time).

Consequences

It's an Alarm, maintenance action type

Location



Corrective actions

_ Check the steam cicuit;
_ Verify the correct setting of food steam pressure, according on the P&ID ;
_ Check the clogging of the steam discharges;

FAULT 4321

Text
AIR TREATMENT- AIR FILTER - TIMEOUT STERILIZATION

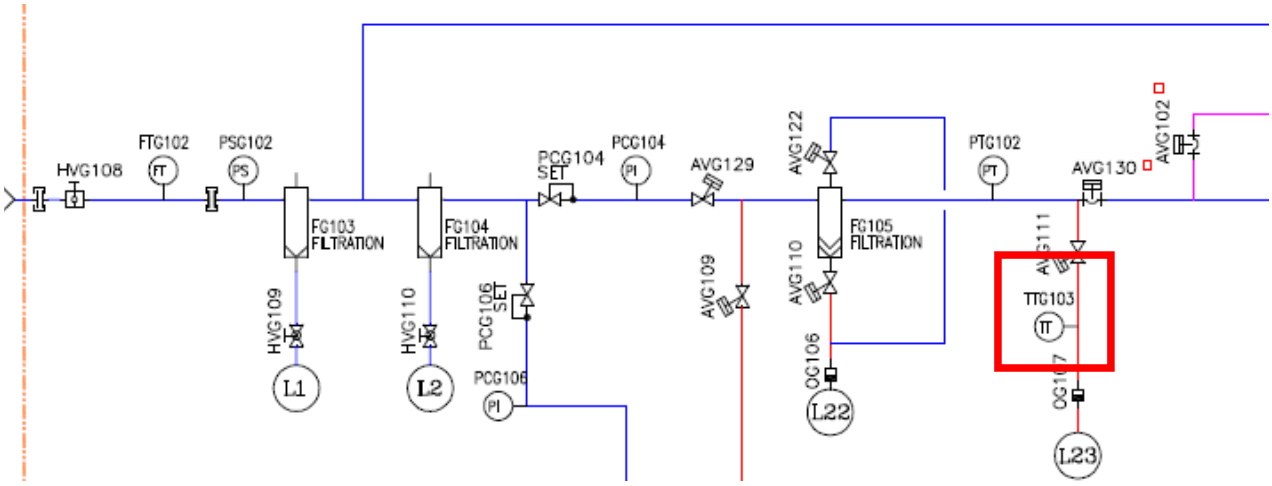
Cause

When the machine are in SIP cycle, filter sterilization sub mode, the sip sterilization temperature filter (TTG103) doesn't arrive at filter sterilization temperature set-point within a specified time (timeout sterilization).

Consequences

It's an Alarm, maintenance action type

Location



Corrective actions

_ Check the steam cicuit;
_ Verify the correct setting of food steam pressure, according on the P&ID ;
_ Check the clogging of the steam discharges;

FAULT 4324

Text
AIR TREATMENT - FILTER HIGH TEMPERATURE

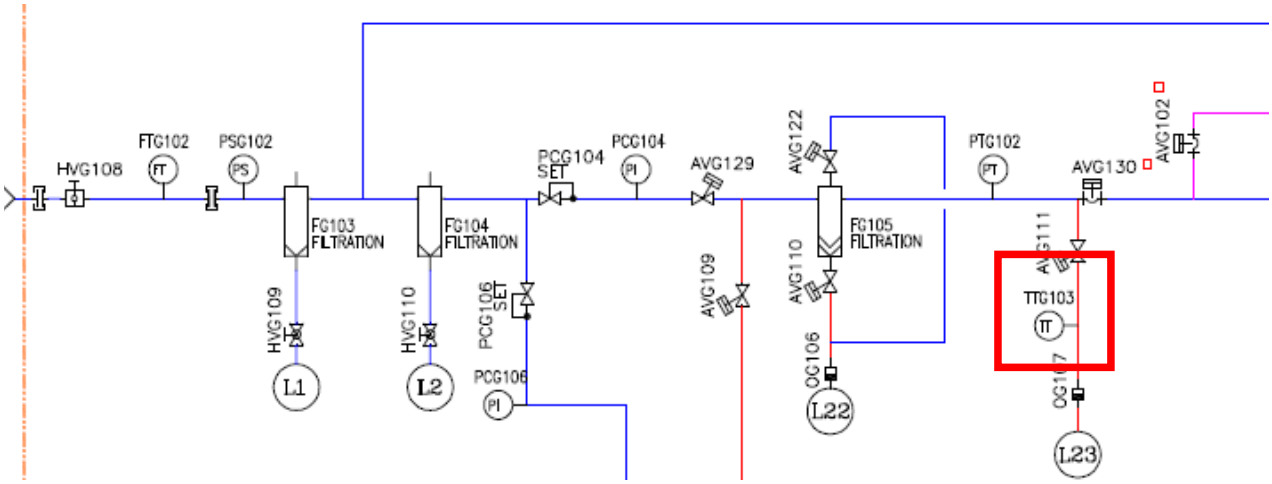
Cause

When during the Sip cycle, the temperature read from the TTG103 is higher that the maximum air filter sterilization set-point.

Consequences

It's an Alarm, maintenance action type

Location



Corrective actions

_ Check the steam circuit;
_ Verify the correct setting of food steam pressure, according on the P&ID ;
_ Check the clogging of the steam discharges;

FAULT 4325

Text
AIR TREATMENT - FILTER: STERILITY LOST DUE TO LOW PRESSURE

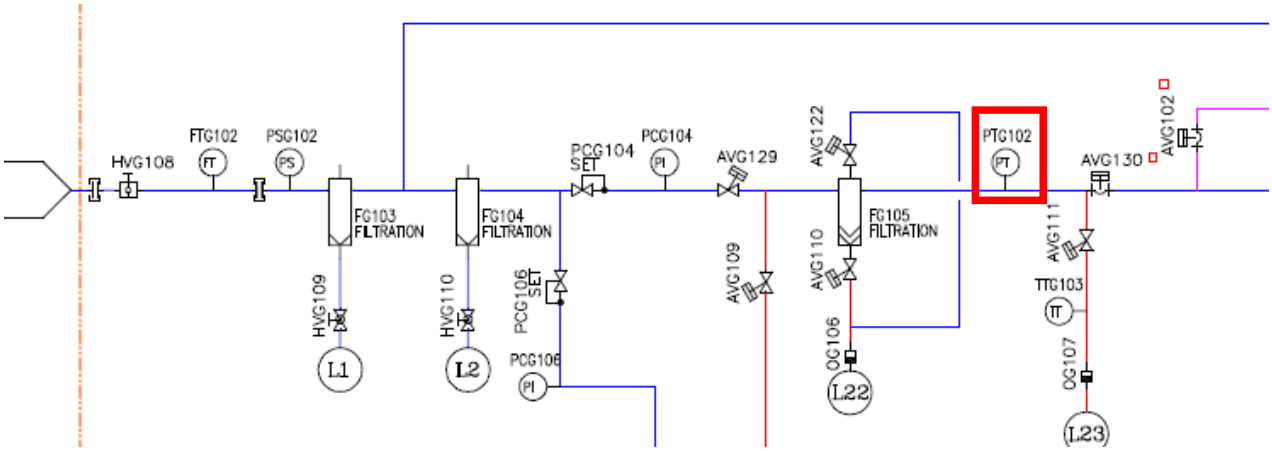
Cause

The air filter lose sterility when the pressure reads from PTG102 is lower that the minimum filter air pressure set-point.

Consequences

It's a critical alarm, aseptic safety action type;

Location



Corrective actions

_ Check the status of sterile air circuit;
_ Check if the filter air is clogged;
_ Check the status of the component;

FAULT 4327

Text
AIR TREATMENT - PSG102 - MINIMUM PRESSURE

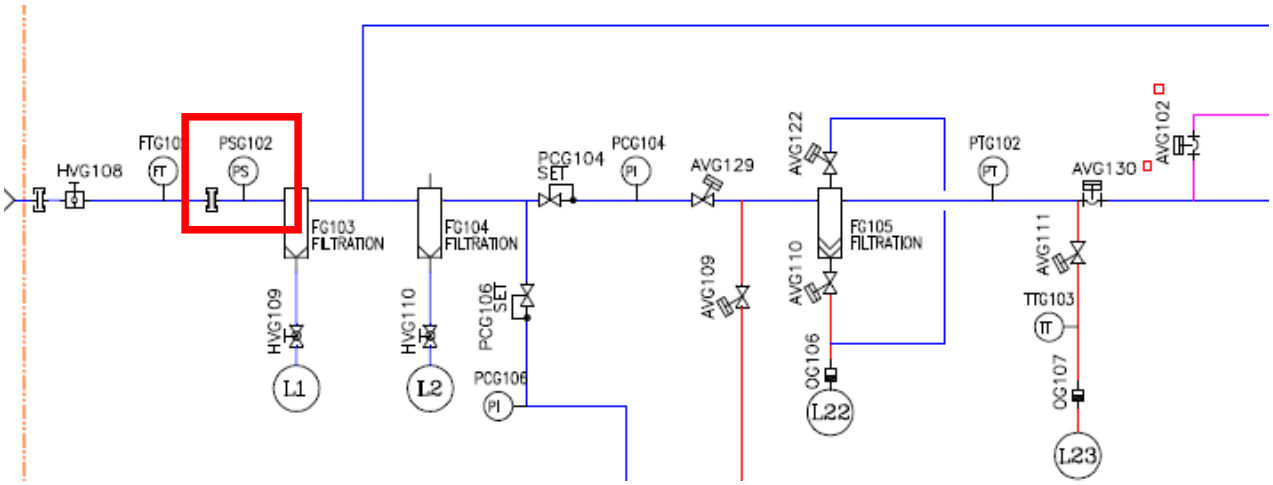
Cause

When the air pressure drops below the set threshold on the pressure switch (PTG102) for a established time.

Consequences

It's an Alarm, emptying and stop machine action type.

Location



Corrective actions

_ Check the status of air circuit;
_ Verify the correct setting of minimum air pressure threshold set on the device;

FAULT 4653

Text
AIR TREATMENT - FSG101 - FLOW ALARM AIR LINE

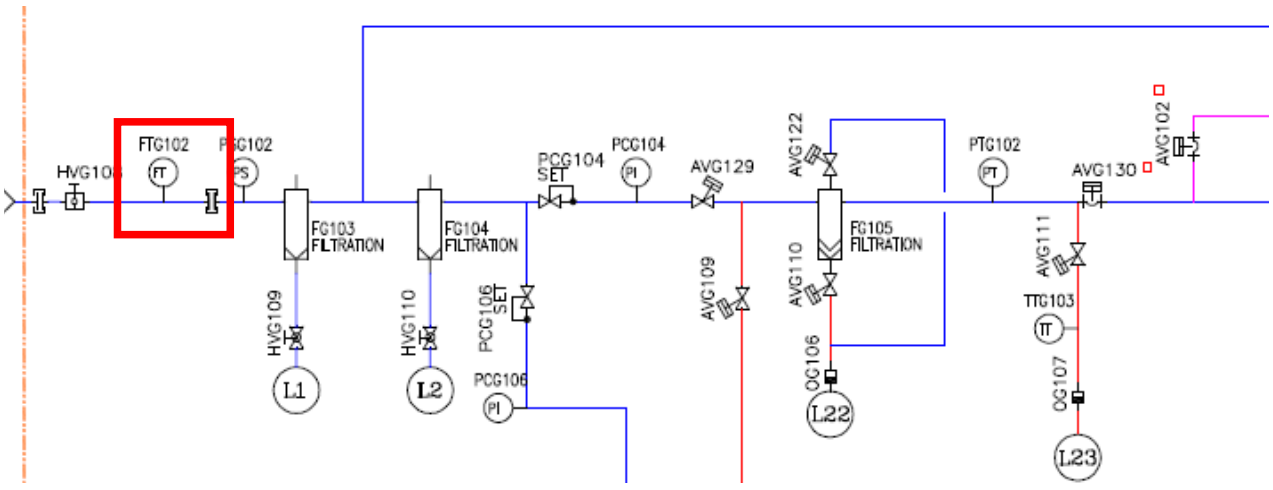
Cause

When during SiP cycle, the air flow drops below the set threshold on the flow transducer (FSG101) for a established time.

Consequences

It's an Alarm, SIP pipe Freeze action type.

Location



Corrective actions

_ Check the status of air circuit;
_ Check the status of the device;
_ Check the parameterization on the device;

AUTOMATION

Performance through Understanding

Sidel

FAULT 4071

Text
AUTOMATION - CIP/SIP/COP/SOP RECIPE DOWNLOAD FAILED

Cause

When the HMI download recipes on the PLC

Consequences

It’s an internal critical fault, cause a motorization ramp stop.

Location

Corrective actions

_ Contact service;

FAULT 4079

Text
AUTOMATION - PARAMETER INITHIALIZATION

Cause

When the PLC is in starting, downloads all parameter that located on HMI files.

Consequences

It's an internal critical fault, cause a motorization quick stop.

Location

Corrective actions

_ the alarm disappear in the correct way when the cycle is completed;

CIP-SIP CIRCUIT

Performance through Understanding

Sidel

FAULT 4120

Text
CIP-SIP CIRCUIT - Tank temperature too high

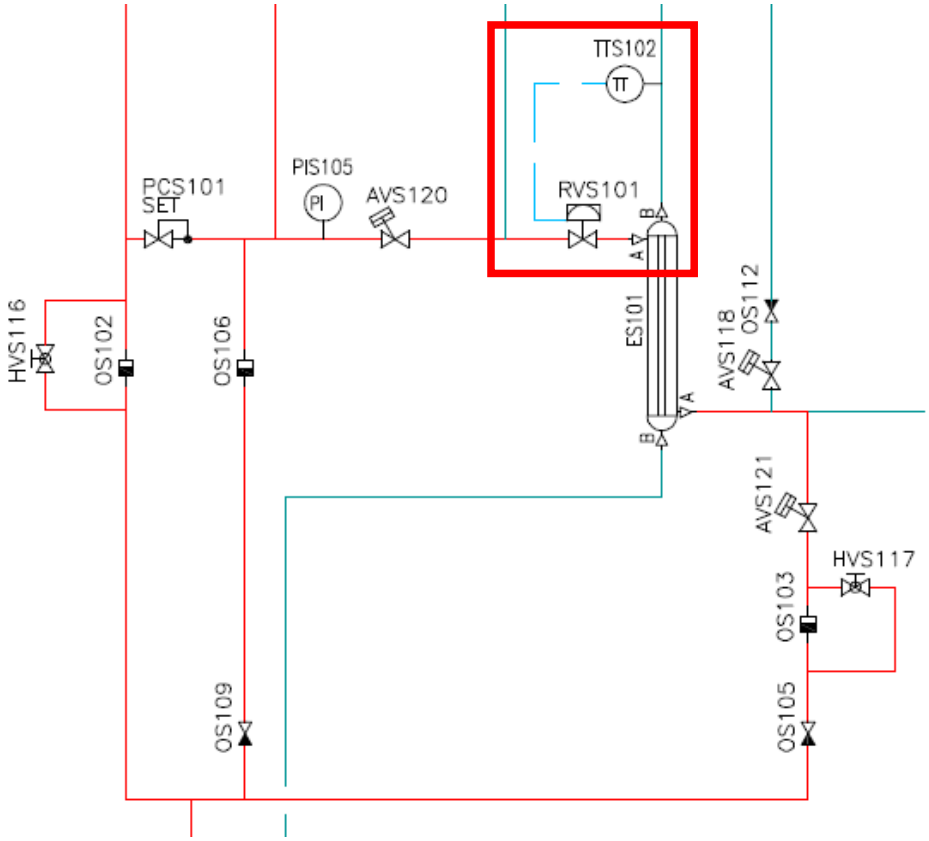
Cause

During CIP-SIP cycle, the tank temperature overcomes the adding of the set point active in the regulator (heating PID) written from the sequencer plus 5 degrees (max heating threshold).

Consequences

It's an alarm, CIP failed action type.

Location



Corrective actions

_ Check the status of steam circuit;
_ Check the parameterization of the heating PID ;

FAULT 4131

Text
CIP-SIP CIRCUIT - AVF108 - POSITION FAULT

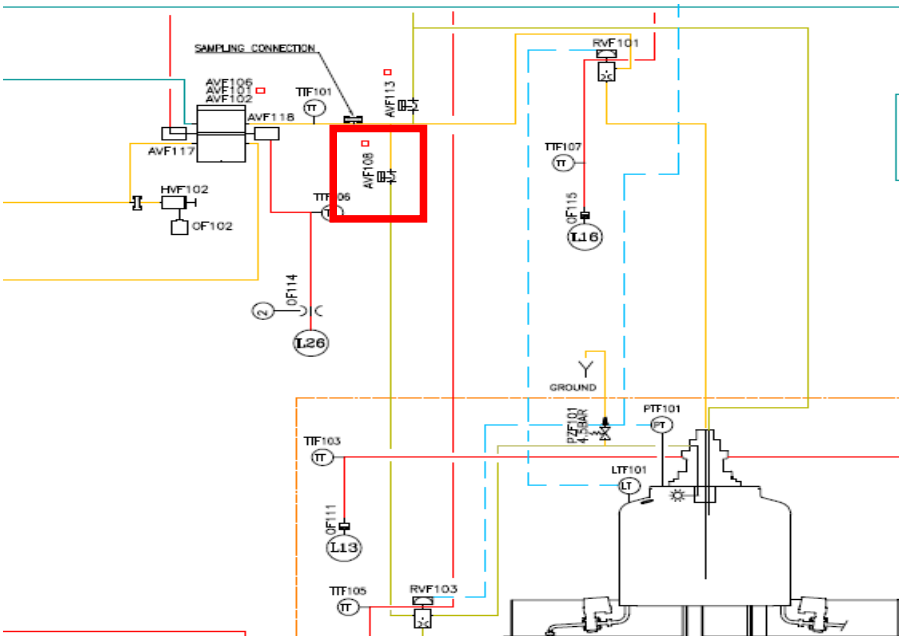
Cause

the feedback sensor don't arrive on the PLC card.

Consequences

It’s a critical fault, causes a motorization ramp Stop

Location



Corrective actions

_ Check the status led on the feedback sensor (red led+orange led=sensor reading);
_ Check the mechanical functioning valve;
_ Check if the sensor support of the valve is in correct position;

FAULT 4140

Text
CIP-SIP CIRCUIT - AVF113 - POSITION FAULT

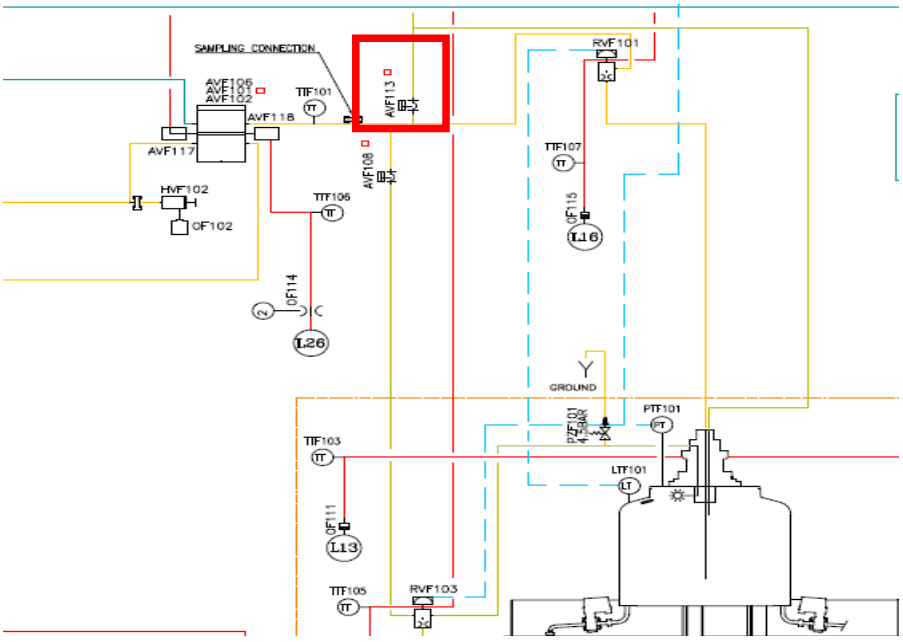
Cause

the feedback sensor don't arrive on the PLC card.

Consequences

It's a critical fault, causes a motorization ramp Stop

Location



Corrective actions

_ Check the status led on the feedback sensor (red led+orange led=sensor reading);
_ Check the mechanical functioning valve;
_ Check if the sensor support of the valve is in correct position;

FAULT 4164

Text
CIP-SIP CIRCUIT - PPS101 - Thermal overload

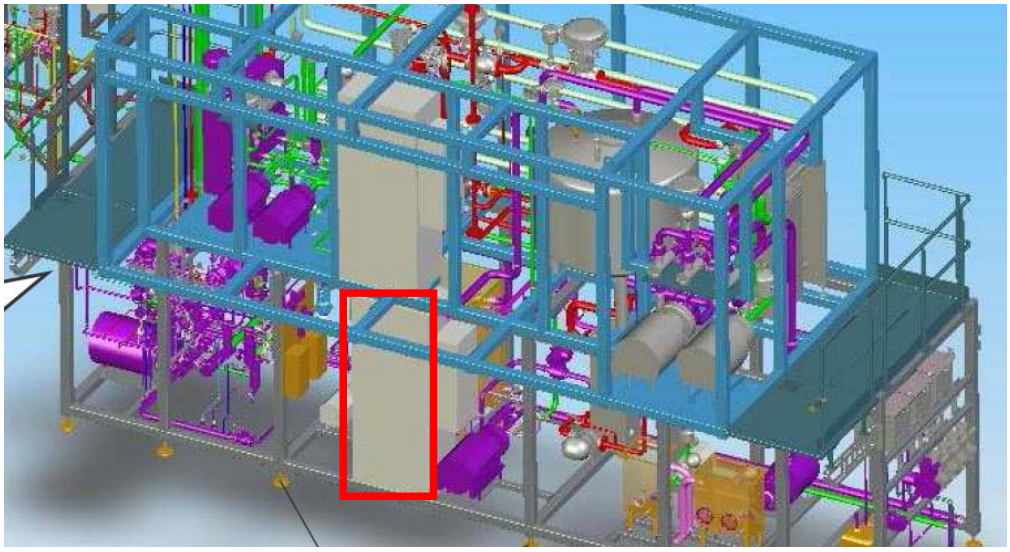
Cause

There is a feedback of PPS101 thermic in YB01 Box. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 4167

Text
CIP-SIP CIRCUIT - PPS101 - Contactor fault

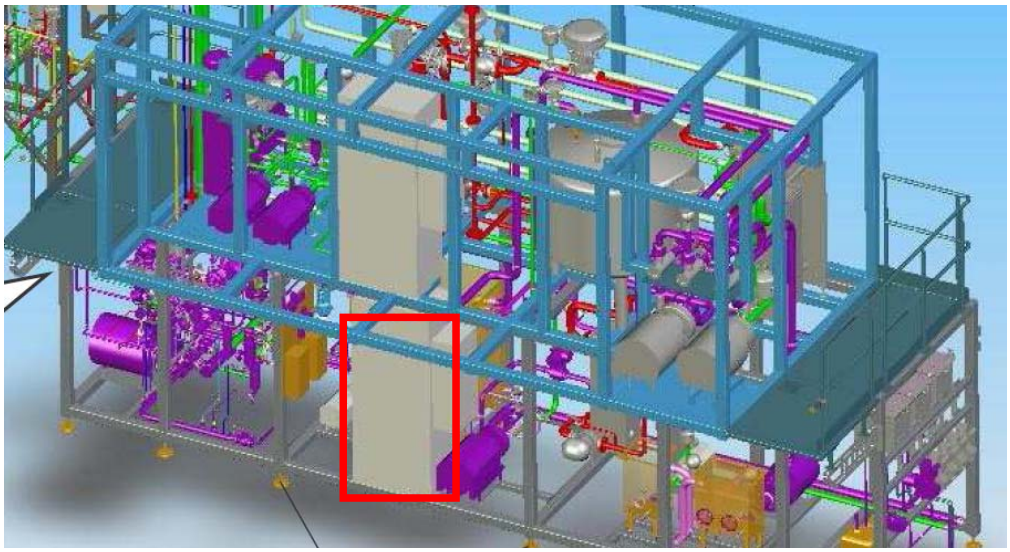
Cause

When don't arrive the feedback of the contactor when this is excited.

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_Check the mechanical functioning of contactor;
_Check the functioning of the component connected;

FAULT 4170

Text
CIP-SIP CIRCUIT - PPS101 - Inlet pressure near to zero

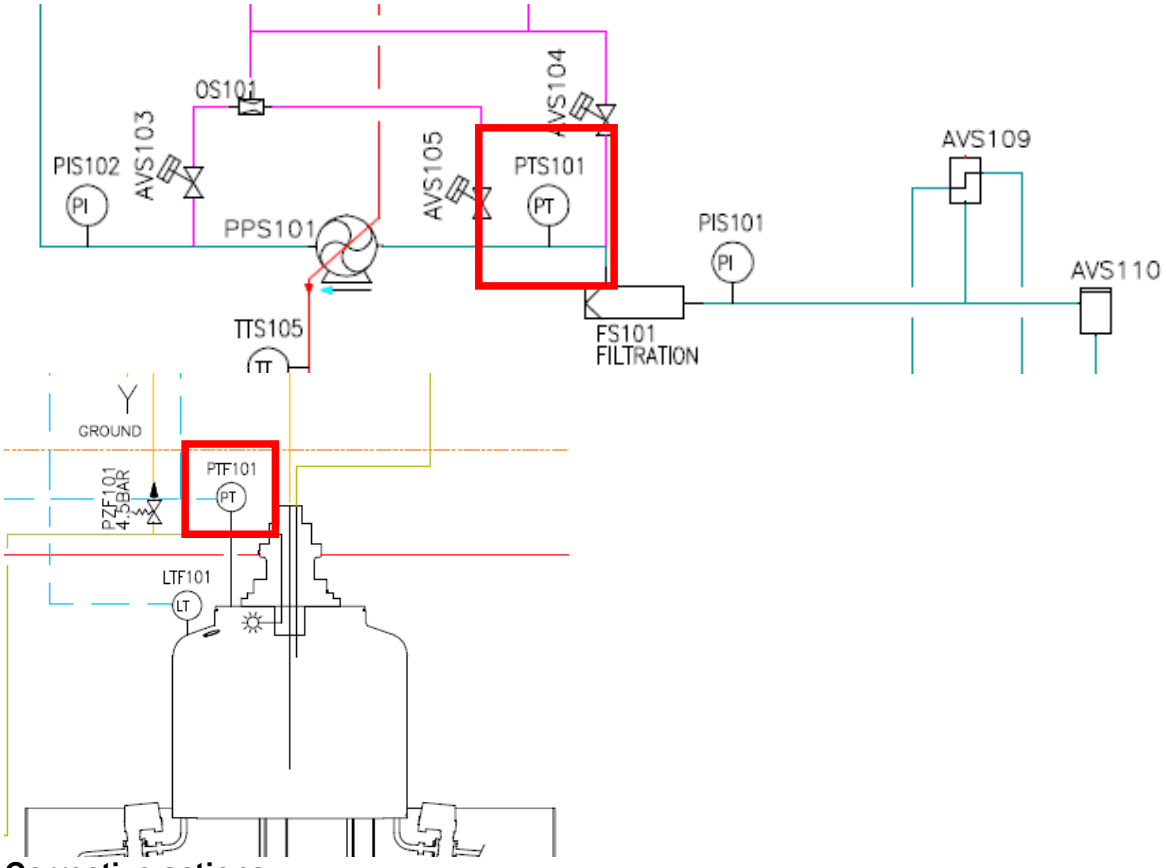
Cause

When during CIP cycle, The pump is running and the AVS110 is open, the pressure read from the PTS101 is lower that the -0,05 bar and the pressure read from the PTF101 is lower that the 0,8 bar for a established time.

Consequences

It's an alarm, CIP freeze action type.

Location



Corrective actions

_ Check if there aren't some leakage on CIP-SIP circuit;
_ Check the status of CIP-SIP circuit;

FAULT 4171

Text
CIP-SIP CIRCUIT - PPS101 - Inlet pressure near to zero

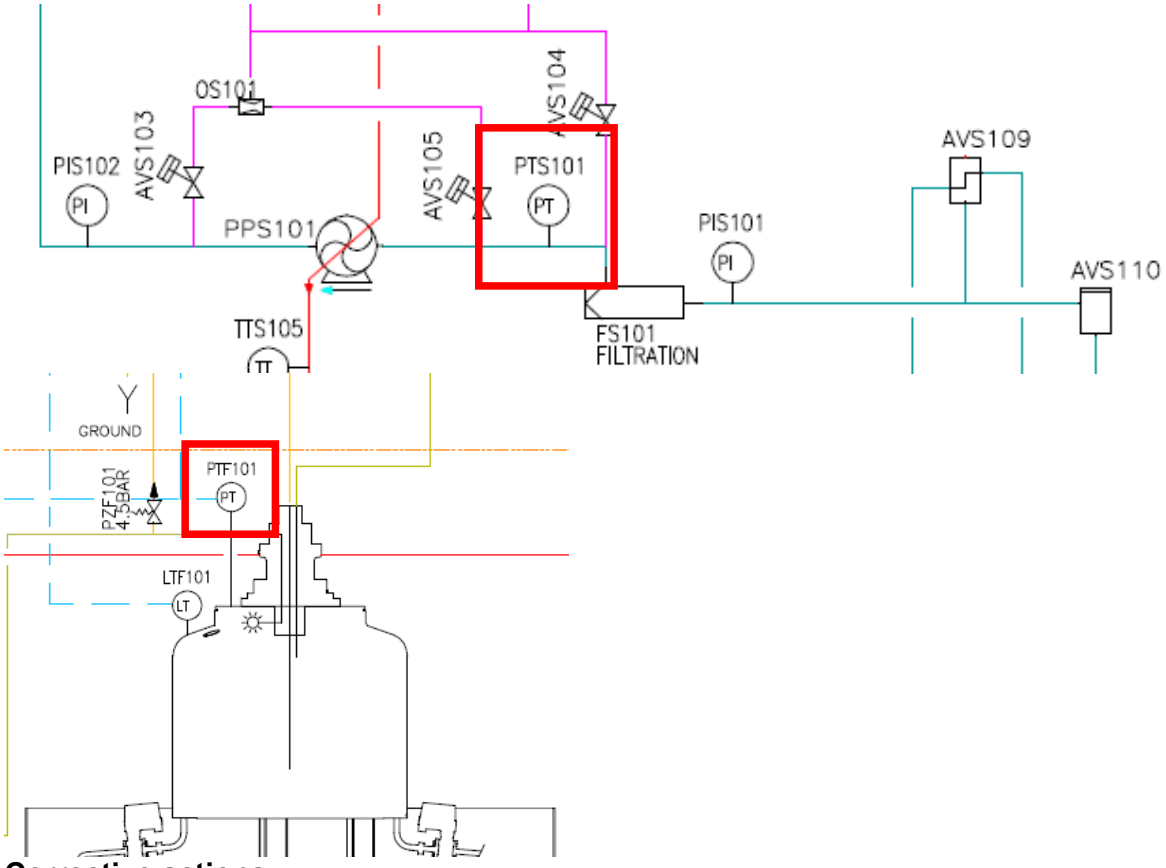
Cause

When during SIP cycle, The pump is running and the AVS110 is open, the pressure read from the PTS101 is lower that the -0,05 bar and the pressure read from the PTF101 is lower that the 0,8 bar for a established time.

Consequences

It's an alarm, SIP tank freeze action type.

Location



Corrective actions

_ Check if there aren't some leakage on CIP-SIP circuit;
_ Check the status of CIP-SIP circuit;

FAULT 4246

Text
CIP-SIP CIRCUIT - CIP failed due low level in the filling tank

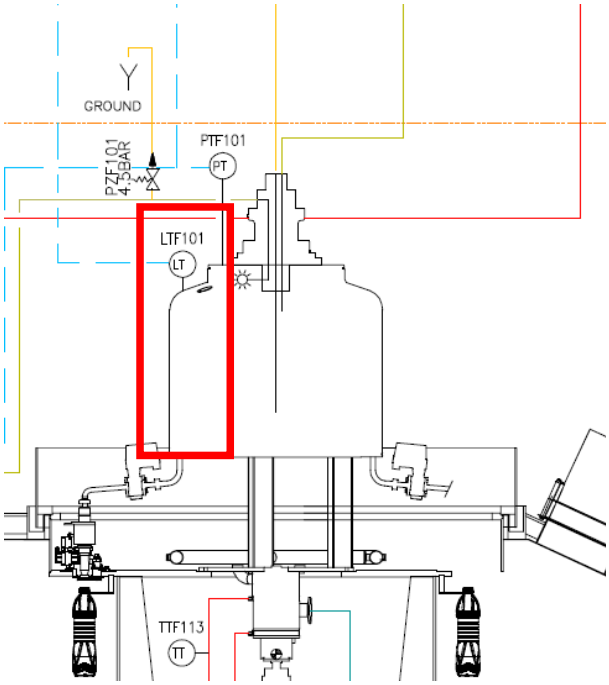
Cause

When during CIP cycle, recycling mode, the filling tank level read from the LTF101 drops below 15%.

Consequences

It's an alarm, causes a CIP failed.

Location



Corrective actions

_ Check if there aren't some leakage on CIP-SIP circuit;

FAULT 4270

Text
CIP-SIP CIRCUIT - SIP failed for sterility lost

Cause

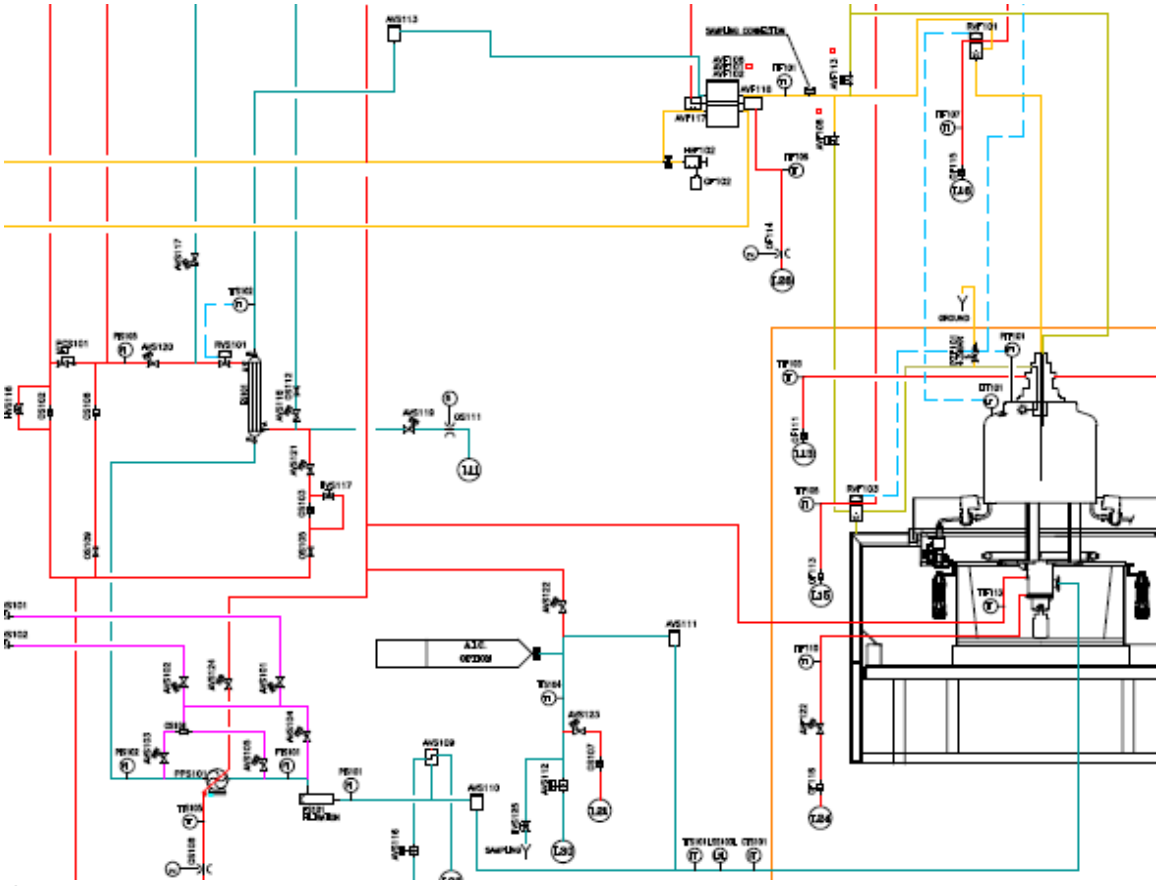
Causes by 2 conditions:

- When during sterilization cycle, summary fault 134 is active;
- When during SIP cycle steam barrier lost sterility;

Consequences

It's a critical fault, causes a process sterility lost.

Location



Corrective actions

_ Check if the status of steam circuit;

_ Check if there aren't some steam discharges clogged;

FAULT 4274

Text
CIP-SIP CIRCUIT - SIP failed due low level in the filling tank

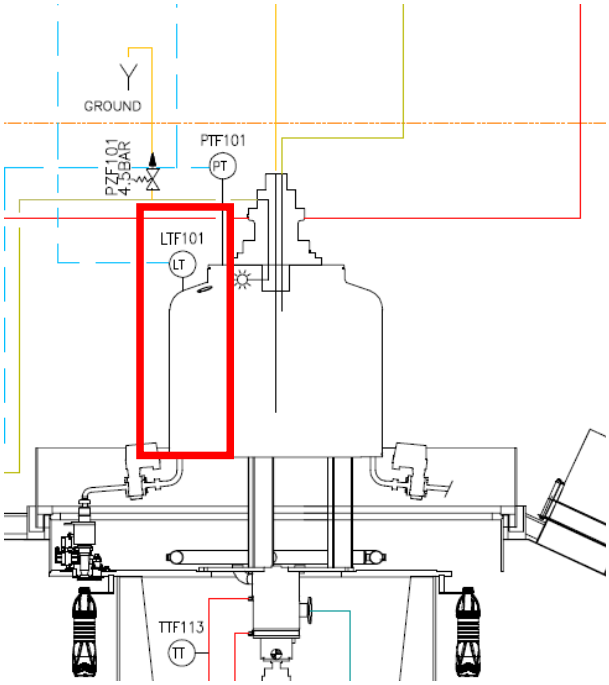
Cause

When during SIP cycle, recycling mode, the filling tank level read from the LTF101 drops below 15%.

Consequences

It's an alarm, SIP tank failed action type.

Location



Corrective actions

_ Check if there aren't some leakage on CIP-SIP circuit;

FAULT 4294

Text
CIP-SIP CIRCUIT - Abort failed due Product loss -Abort WithDraw performed

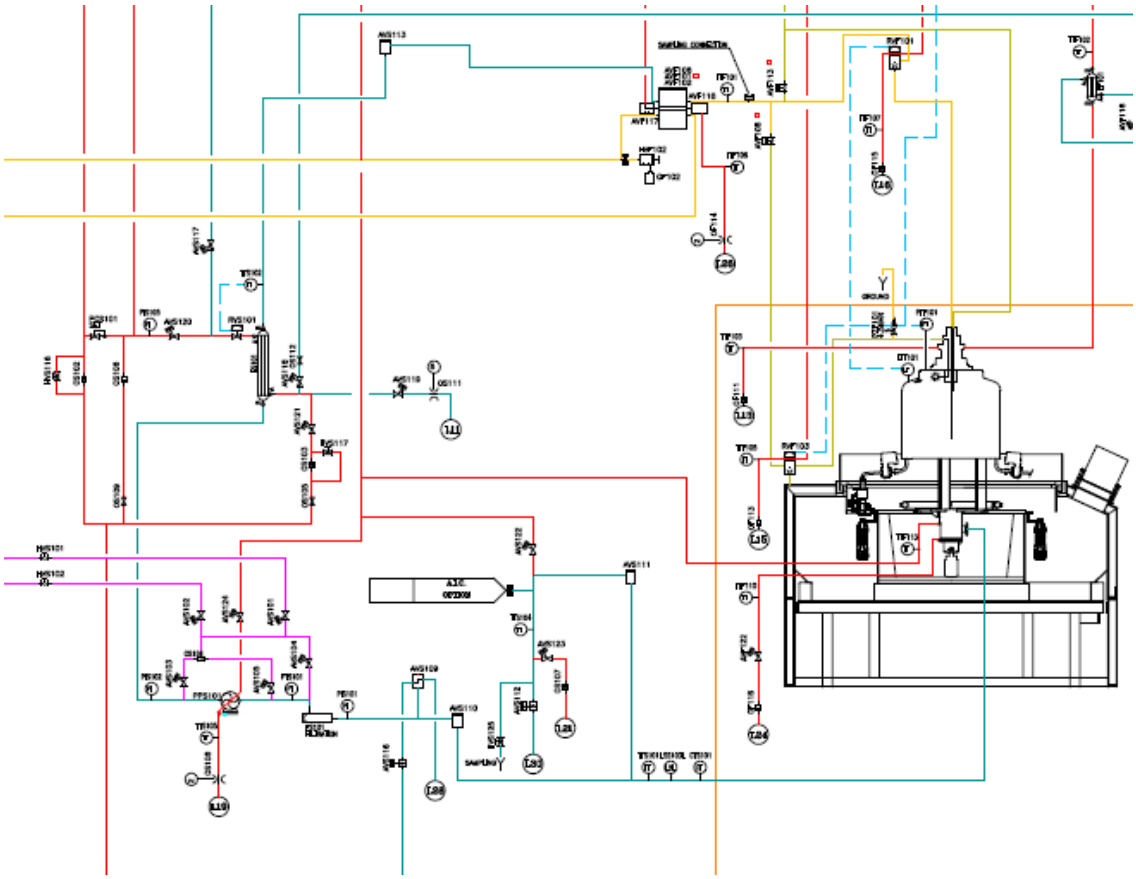
Cause

When the machine are in CIP/SIP cycle, the level in Filler tank is less than the CIP/SIP set point level (view on the CIP/SIP recipe) during recirculation mode.

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_Check if there is some lack on the CIP/SIP circuit;

FAULT 4891

Text
CIP-SIP - Abort due one or more temperature probe out of order

Cause
When during CIP-SIP cycle one or more temperature transducer (PT100) go into fault:

- TTS101 fault analog input;
- TTS102 fault analog input;
- TTF101 fault analog input;
- TTF111 fault analog input;
- TTG101 fault analog input;
- TTG103 fault analog input;

Consequences

It's an alarm, CIP failed action type.

Location

CIP/SIP Circuit

Corrective actions
_Check the status of temperature transducers;

FAULT 4892

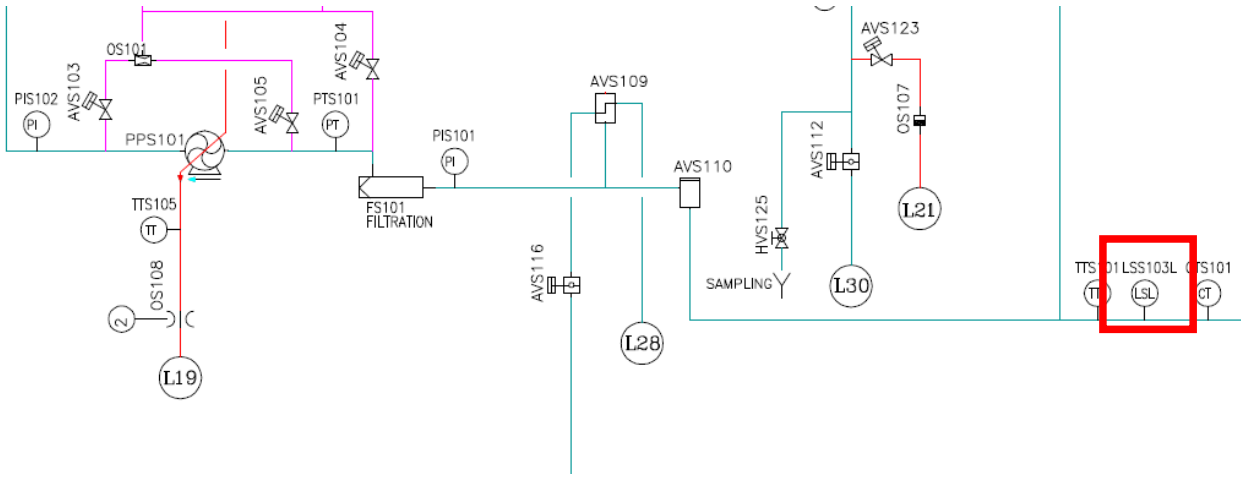
Text
CIP-SIP CIRCUIT - LSS103L - Lack fluid detection

Cause
if during CIP cycle, on PLC card doesn't arrive the LLS103 signal and the level read by LTF101 is greater that the PPS101 start level parameter for a established time.

Consequences

It's an alarm, CIP freeze action type.

Location



Corrective actions

_Check the status of sensor;
_Check the status of the CIP cycle;
_Check if there aren't some leakage on CIP piping;

FAULT 4893

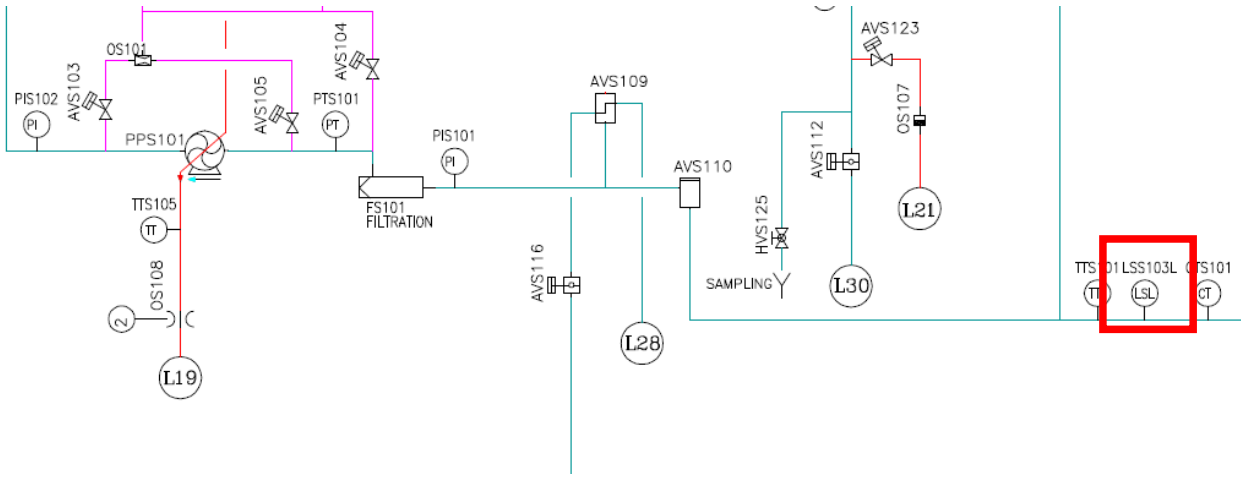
Text
CIP-SIP CIRCUIT - LSS103L - Lack fluid detection

Cause
if during SIP cycle, on PLC card doesn't arrive the LLS103 signal and the level read by LTF101 is greater that the PPS101 start level parameter for a established time.

Consequences

It's an alarm, SIP tank freeze action type.

Location



Corrective actions

_Check the status of sensor;
_Check the status of the SIP cycle;
_Check if there aren't some leakage on SIP piping;

FAULT 4498

Text
CIP-SIP CIRCUIT -CIP- Time out Caustic/Acid phase

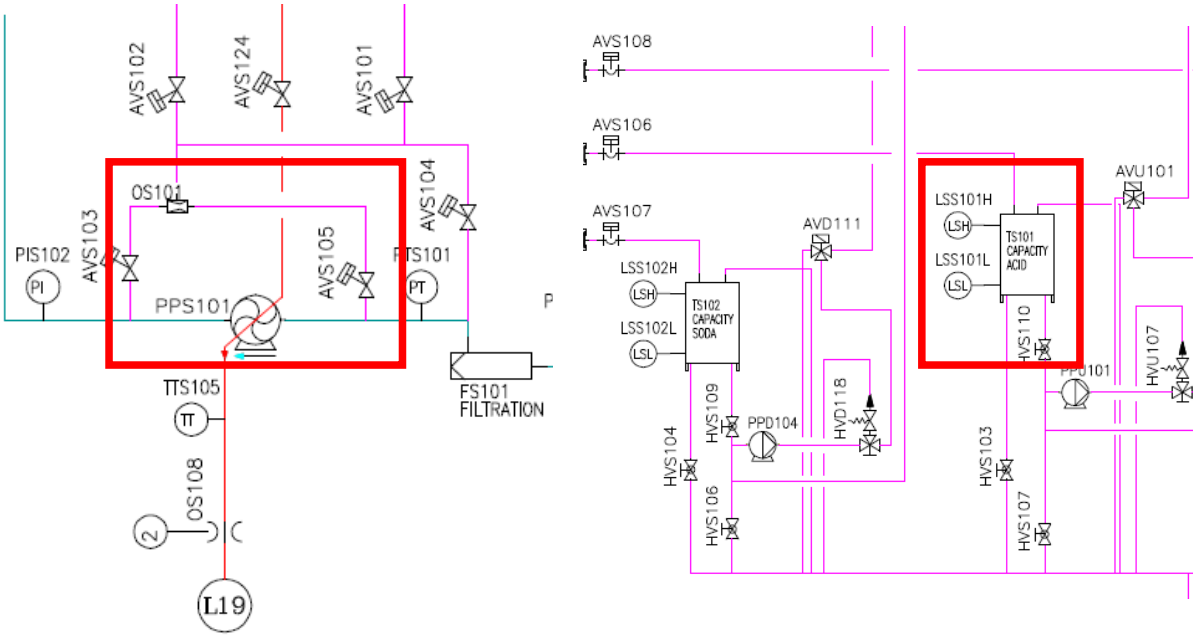
Cause

When during CIP cycle, during treatment phase and chemical injection phase, the time of acid/caustic injection phase for reach the concentration is more than the max duration of caustic dosing phase parameter.

Consequences

It's an alarm, causes a CIP failed.

Location



Corrective actions

_ Check the status of Venturi piping;
_ Check the status of dosing pump;
_ Check the status of acid line after dosing pump;

FAULT 4499

Text
CIP-SIP CIRCUIT -SIP- Time out Hot Phase

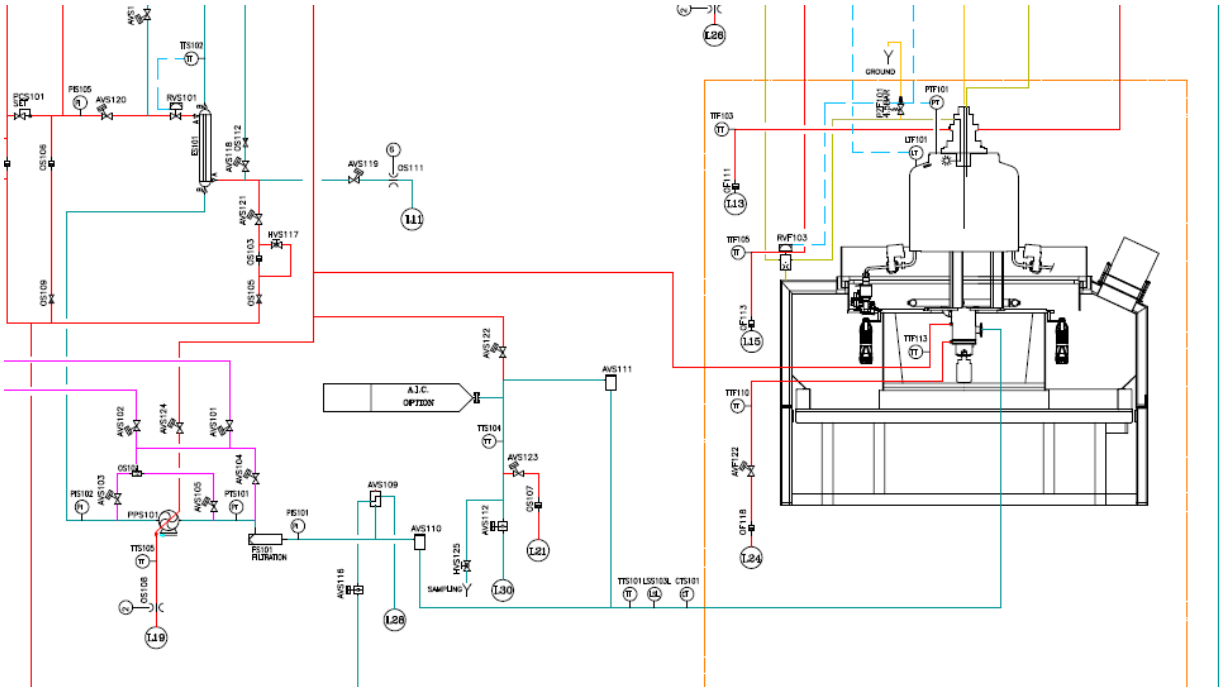
Cause

When during SIP cycle, the duration of treatment hot phase is greater that the time-out treatment SIP phase parameter.

Consequences

It's an alarm, SIP tank failed action type.

Location



Corrective actions

_ Check the status of Steam circuit;
_ Check the parameterization of heating PID;
_ Check the status of CIP-SIP line;

FAULT 4509

Text
CIP-SIP CIRCUIT - CTS101 - Internal alarm

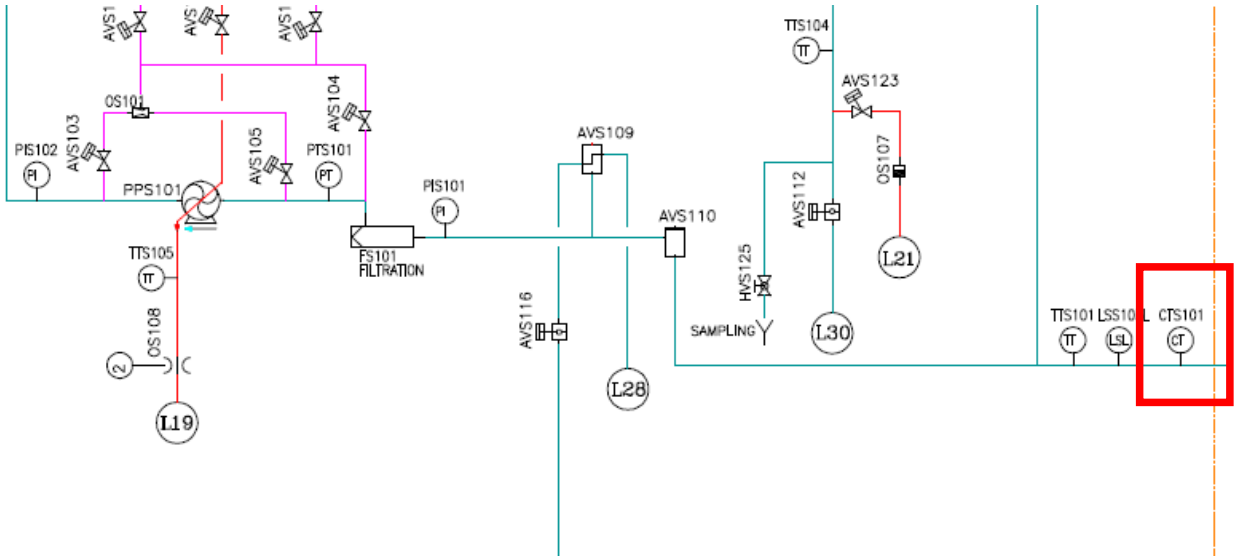
Cause

When arrives on PLC card the signal of conductivimeter alarm from CTS101.

Consequences

It's an alarm, CIP failed action type.

Location



Corrective actions

_ Check the display on conductivimeter for knows the cause of alarm;

FAULT 4510

Text
CIP-SIP CIRCUIT - CIP failed max concentration reached

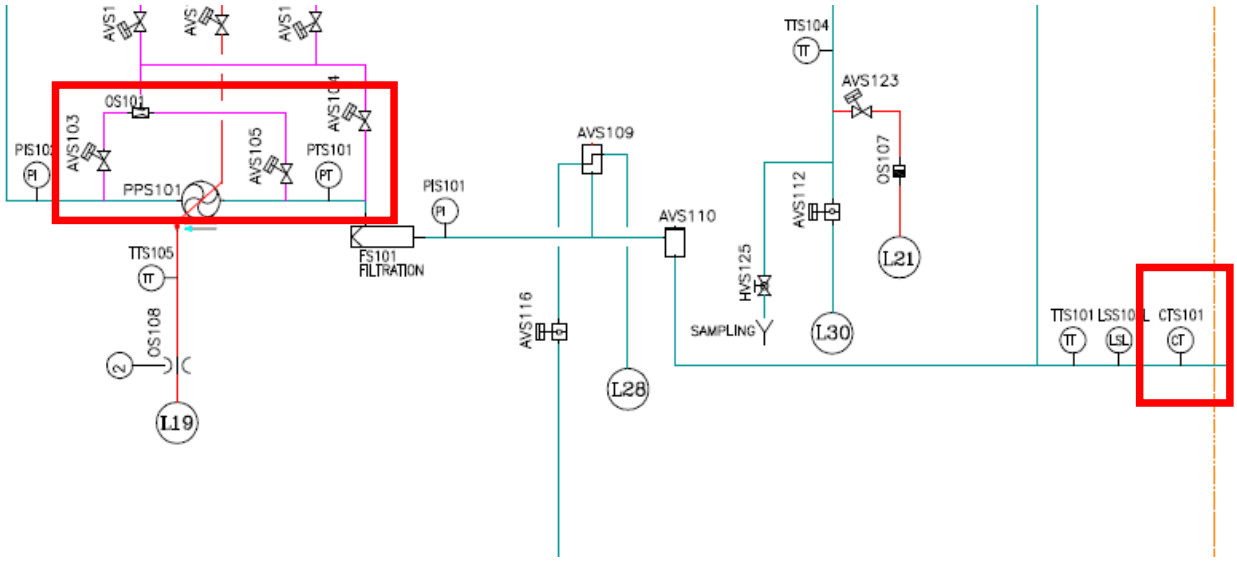
Cause

When during CIP cycle, the concentration read from CTS101 is higher that the maximum absolute concentration setpoint for a established time.

Consequences

It's an alarm, CIP failed action type.

Location



Corrective actions

_ Check the status of the conductivimeter;
_ Check the venturi piping;
_ Check the acid/soda line after dosing pump;
_ check the status of acid/soda dosing pump;

FAULT 4512

Text
CIP-SIP CIRCUIT - CTS101 - Low conductivity

Cause

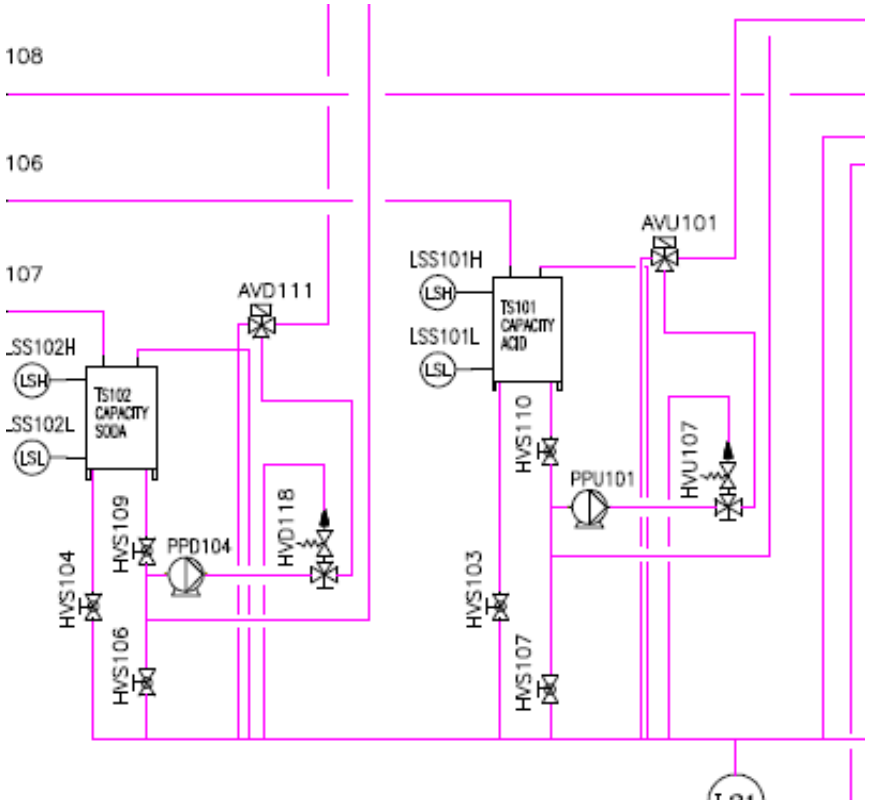
This alarm is visualized only when the machine is in CIP cycle and the sequencer chemicals part are in these phases:

- Chemical action - Mixing time;
- Chemical action - concentration control;
- Chemical action -100% dosing;
- Chemical action - 70% dosing;
- Chemical action - 40% dosing;

Consequences

It's an alarm, maintenance action type.

Location



Corrective actions

_Check the status of chemical part;
_Check the status of dosing pump;

CLOSING

Performance through Understanding

Sidel

FAULT 4449

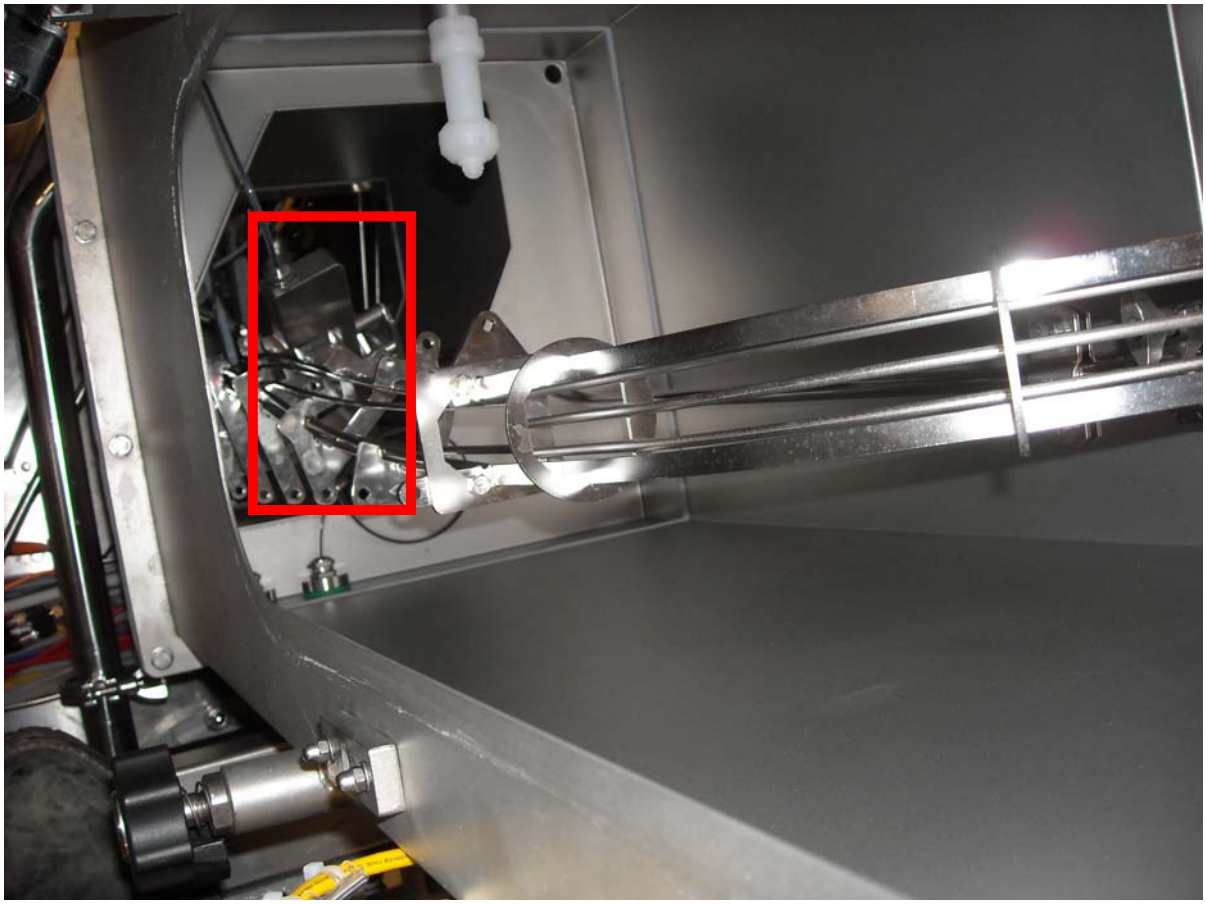
Text
CLOSING - 001EOI - LACK OF CAPS IN CHUTE (LOWER PART)

Cause
When the machine is in production mode, after first channel load, the lower optical fiber doesn't read the cap for a time declared in a HMI parameter

Consequences

It's a critical fault, causes a motorization ramp Stop

Location



Corrective actions
_ Check the setting of optical fiber;
_ Check if there isn't a blockage on the caps channel;
_ Check the status of the component;

FAULT 4452

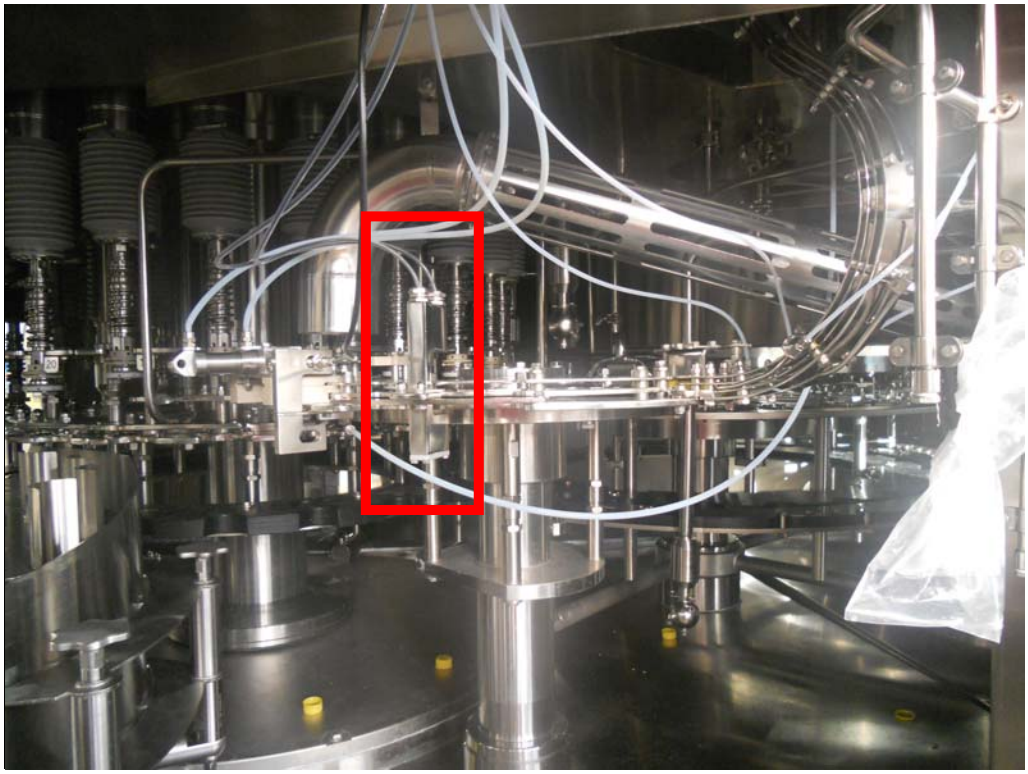
Text
CLOSING - CAPS WRONG RELEASED

Cause
When the machine is in production mode, the number of caps in pick&place starwheel before alarm is greater than the counter of bottle and caps missing value

Consequences

It's a critical fault, causes a motorization ramp Stop

Location



Corrective actions
_ Check if there isn't a blockage on the caps channel or in pick& place starwheel;
_ Check the status of the component;
_ Check the setting of optical fiber;
_ Check the numbers of steps for caps release (PAM 4046);

FAULT 4455

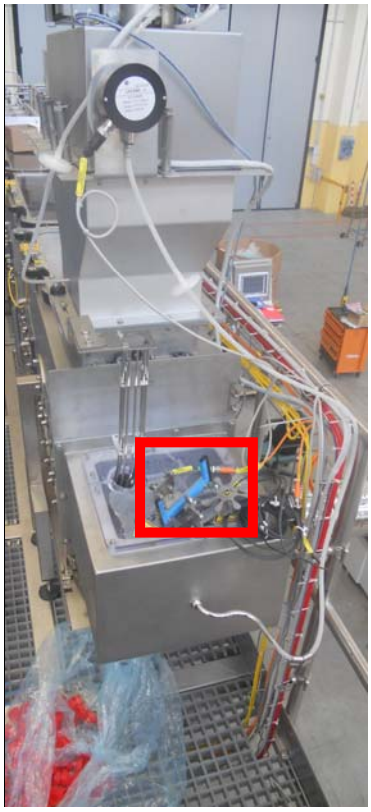
Text
CLOSING - INLET CHANNEL SLIDING FAULT

Cause
When the machine is in production mode, the number of caps in the channel is greater than the counter of caps in channel

Consequences

It's a critical fault, causes a motorization ramp Stop

Location



Corrective actions
_ Check if there isn't a blockage on the caps channel or;
_ Check the status of the component;
_ Check the setting of photocell;

FAULT 4467

Text
CLOSING - CAPS GUIDE NOT IN CORRECT POSITION

Cause
When the inductive sensors don't read the position of Flat/Sport caps selection guide, it depend of the value set on production recipe.

Consequences

It’s a critical fault, causes a motorization ramp Stop

Location

Corrective actions
_ Check the status of the sensors;
_ Verify what is the cap type selected in production recipe;

COP UNIT

Performance through Understanding

Sidel

FAULT 4208

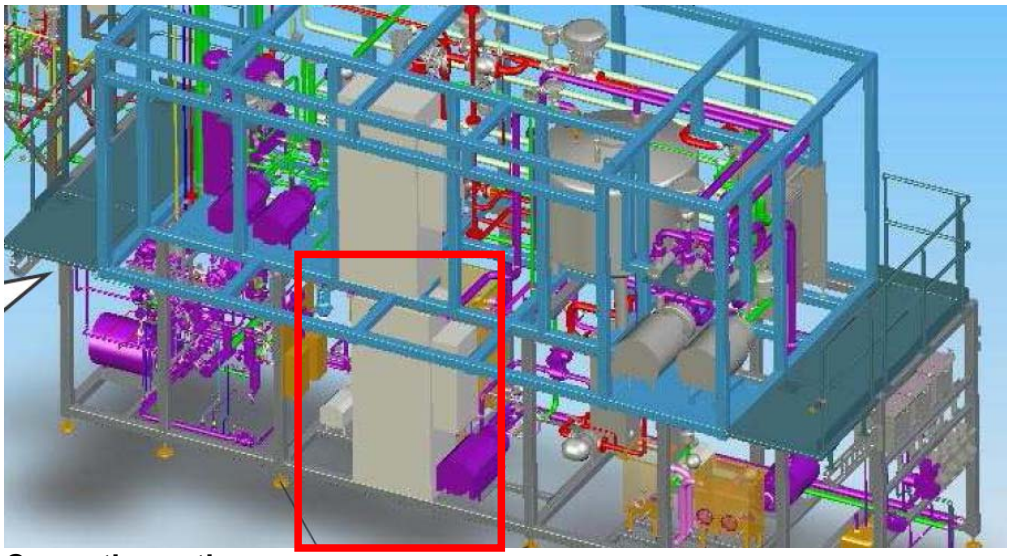
Text
COP UNIT - Unit not ready

Cause
When the filler request the caustic/paa signal to COP unit, the COP unit return a "unit not ready" signal.

Consequences

It's an alarm, causes a COP freeze cycle.

Location



Corrective actions

_ Check the status of COP unit;
_ Check the status of all circuits that interact with COP unit;

FAULT 4209

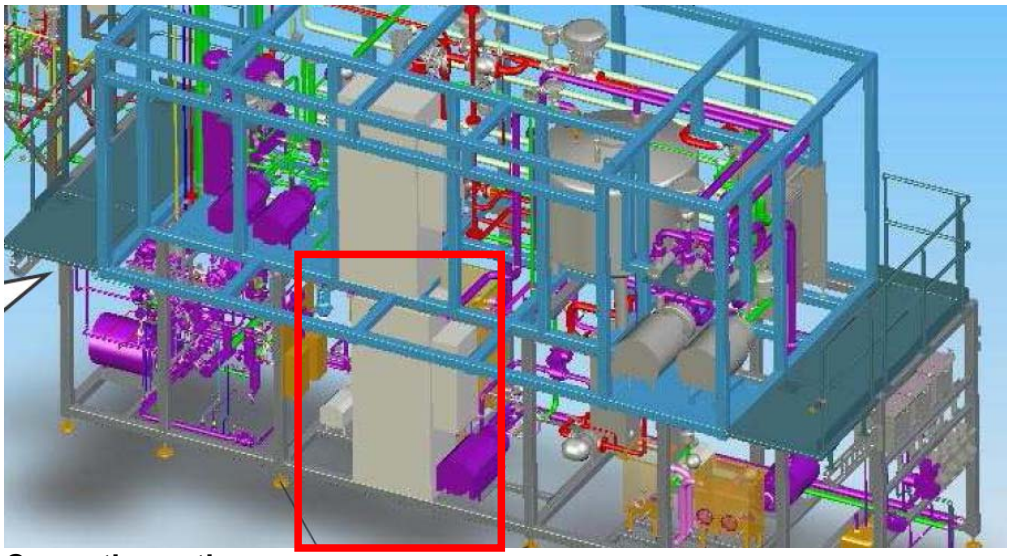
Text
COP UNIT - Unit not running

Cause
When the filler request the caustic/paa signal to COP unit, the COP unit return a "unit not running" signal.

Consequences

It's an alarm, causes a COP freeze cycle.

Location



Corrective actions

_ Check the status of COP unit;
_ Check the status of all circuits that interact with COP unit;

FAULT 4210

Text
COP UNIT - PAA solution not sended

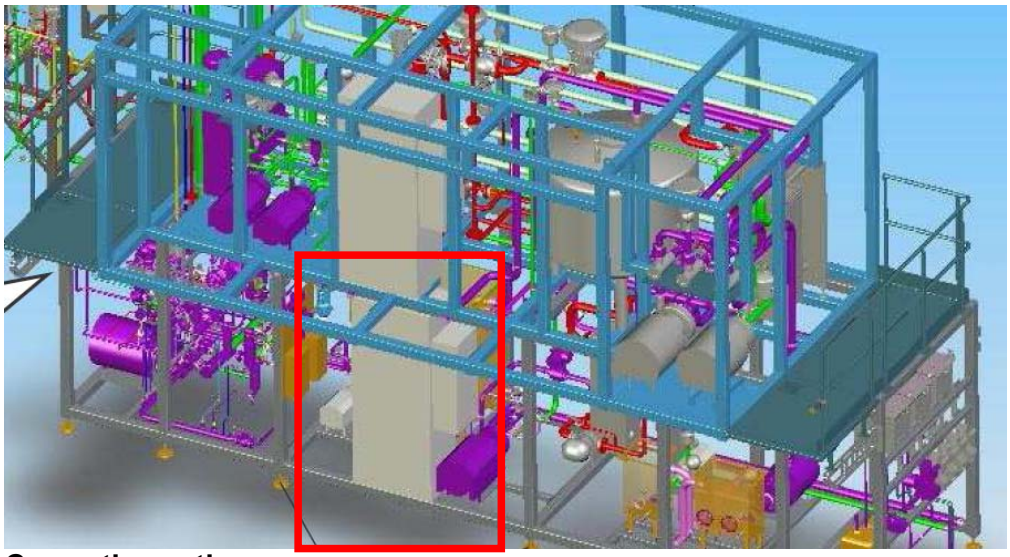
Cause

When the filler request the PAA signal to COP unit, the COP unit return a "not PAA sended" signal for a established time.

Consequences

It's an alarm, causes a COP freeze cycle.

Location



Corrective actions

_ Check the status of COP unit;
_ Check the status of all circuits that interact with COP unit;

FAULT 4211

Text
COP UNIT - Caustic not sended

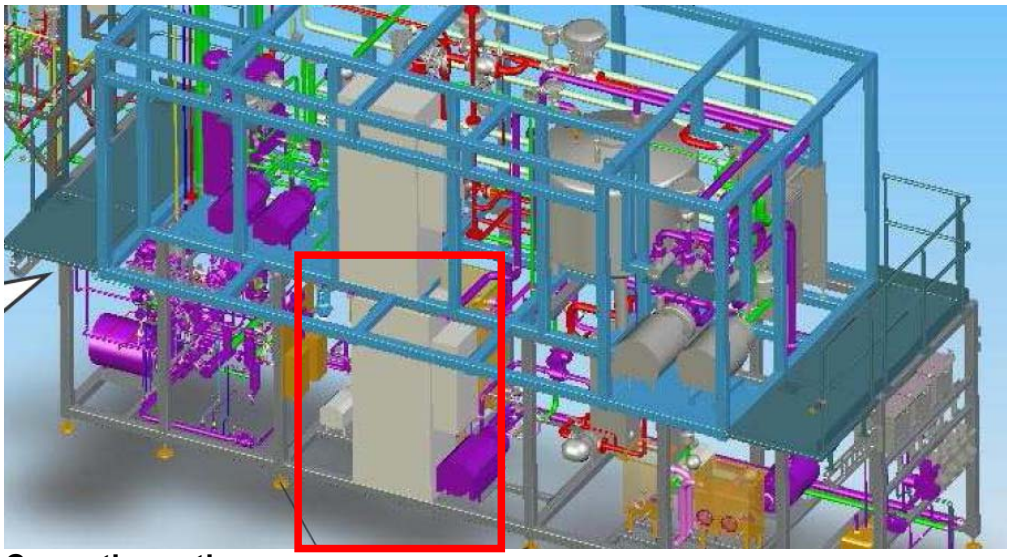
Cause

When the filler request the CAUSTIC signal to COP unit, the COP unit return a "caustic not sended" signal for a established time.

Consequences

It's an alarm, causes a COP freeze cycle.

Location



Corrective actions

_ Check the status of COP unit;
_ Check the status of all circuits that interact with COP unit;

FAULT 4212

Text
COP UNIT - PAA solution not ready

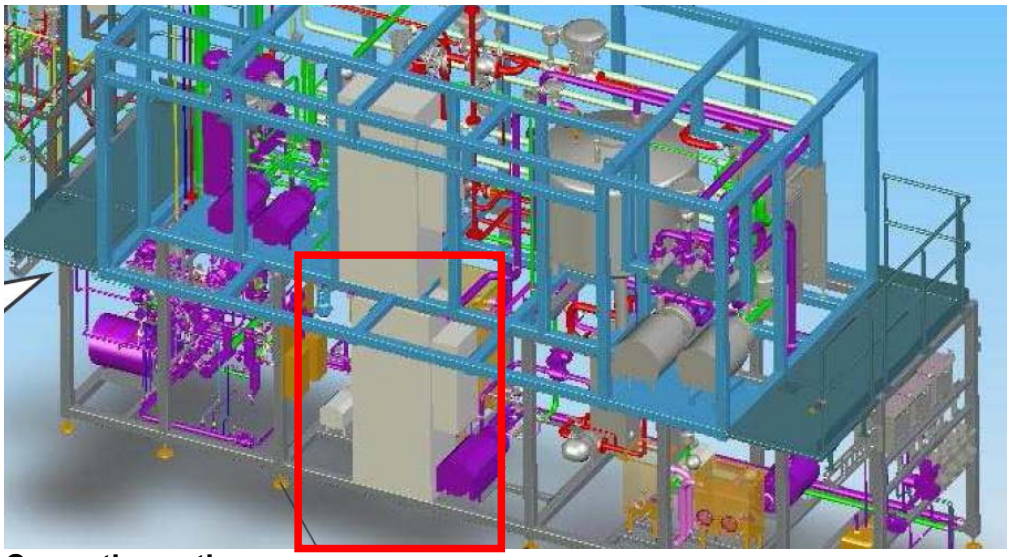
Cause

When the filler request the PAA signal to COP unit, the COP unit return a "PAA not ready" signal for a established time.

Consequences

It's an alarm, causes a COP freeze cycle.

Location



Corrective actions

_ Check the status of COP unit;
_ Check the status of all circuits that interact with COP unit;

FAULT 4213

Text
COP UNIT - Caustic not ready

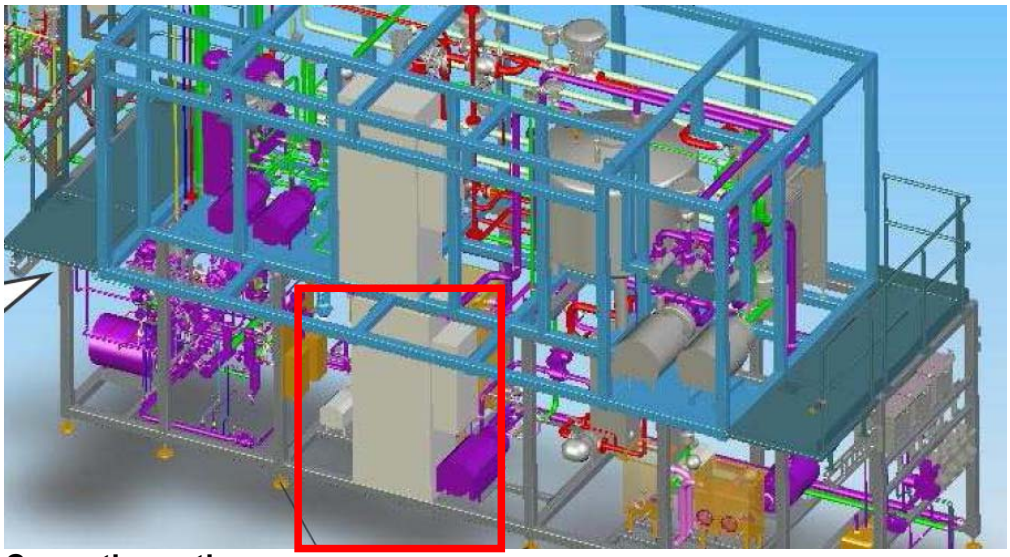
Cause

When the filler request the CAUSTIC signal to COP unit, the COP unit return a "CAUSTIC not ready".

Consequences

It's an alarm, causes a COP freeze cycle.

Location



Corrective actions

_ Check the status of COP unit;
_ Check the status of all circuits that interact with COP unit;

FAULT 4214

Text
COP UNIT - Unit alarm present

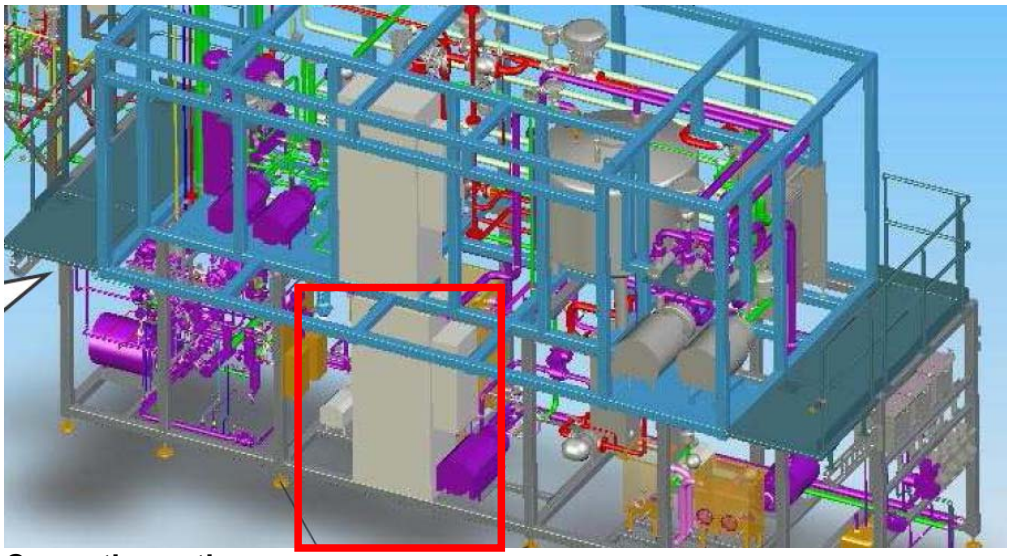
Cause

If during COP running phase, the filler receive a “COP unit alarm” signal from COP unit.

Consequences

It’s an alarm, causes a COP freeze cycle.

Location



Corrective actions

_ Check the status of COP unit;
_ Check the status of all circuits that interact with COP unit;

FAULT 5700

Text
COP UNIT - PPX102 - Thermal overload

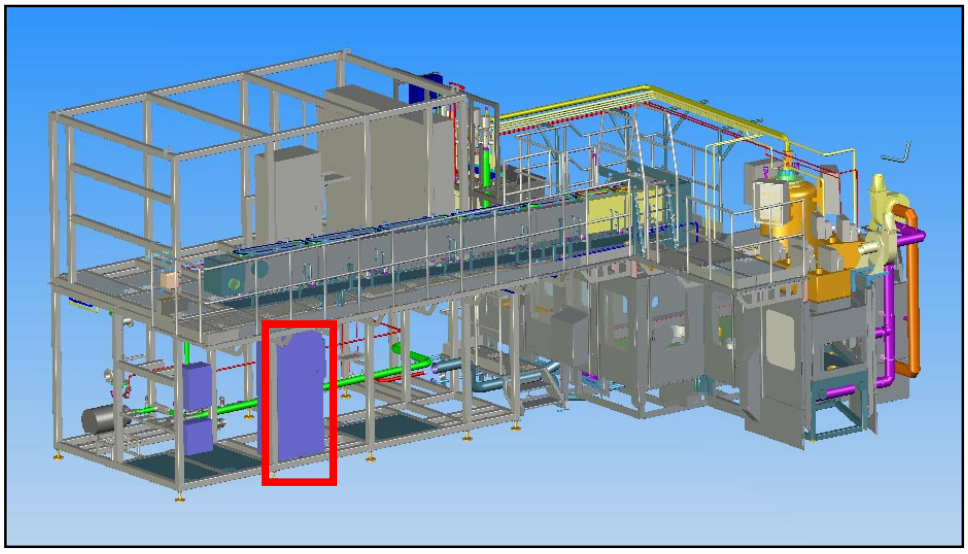
Cause

There is a serial feedback of all 400V thermic in main cabinet. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes stop cycle.

Location



Corrective actions

_ Check if there isn't continuity from each phases to the ground;
_ Check the settings of load current on the thermic switch;

FAULT 5701

Text
COP UNIT - PPX102 - Feedback fault

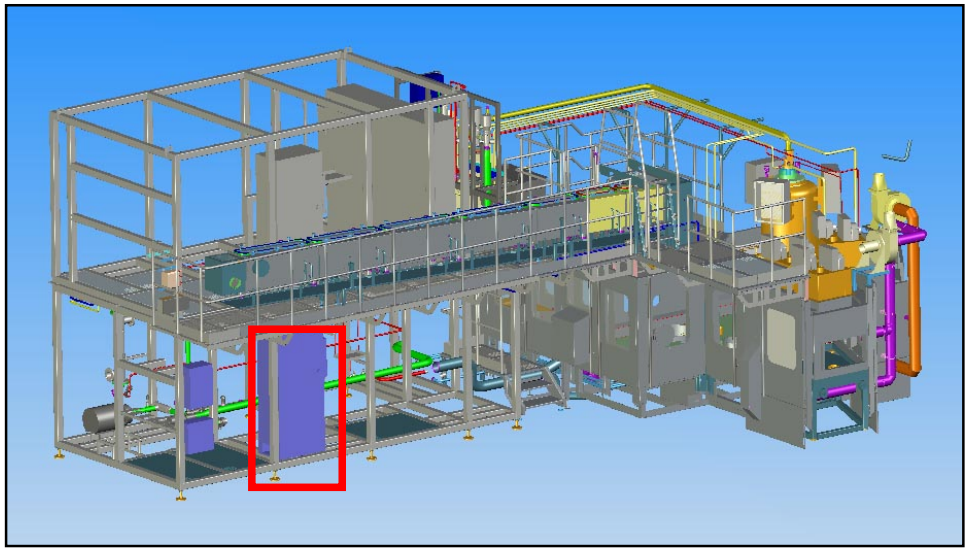
Cause

When don’t arrive the feedback of the contactor when this is excited.

Consequences

It’s a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_Check the mechanical functioning of contactor;
_Check the functioning of the component connected;

FAULT 5702

Text
COP UNIT - CTX101 - Internal alarm

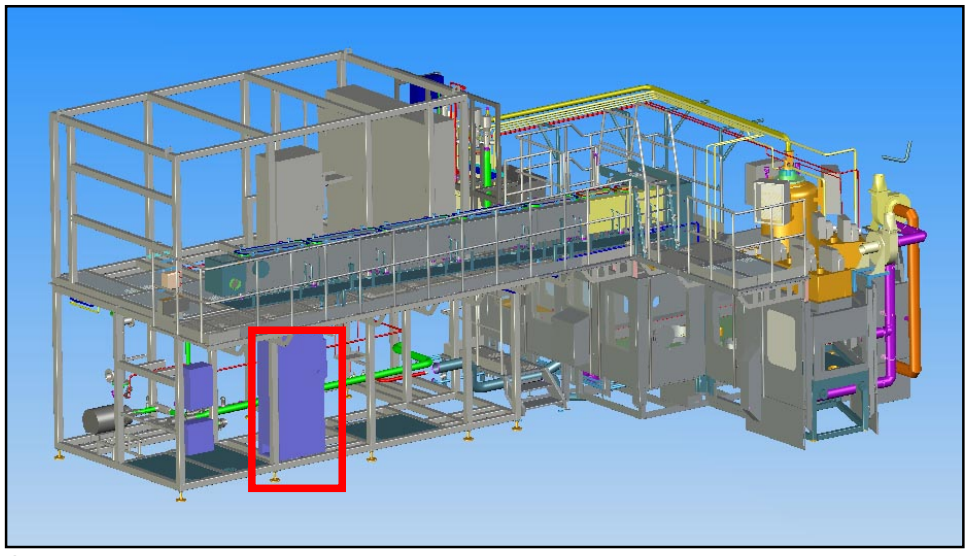
Cause

When arrives on PLC card the CTX101 internal alarm signal.

Consequences

It's a critical fault, causes an Acid sending stop cycle.

Location



Corrective actions

_ See the device display for know the type of alarm;
_ Check the status of the instruments used by the device to read the concentration and temperature of solution;
_ Check the parameterization set on the device;

FAULT 5703

Text
COP UNIT - PPX101 - Thermal overload

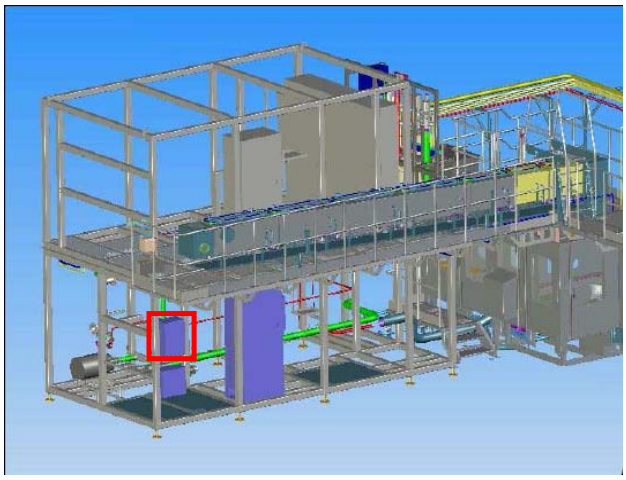
Cause

The thermic goes in trip when there is a mistake on common terminal (positive signal is invert with negative signal) or when current load is greater then that declared on the component .

Consequences

It's an Alarm, causes PAA preparation cycle Stop.

Location



Corrective actions

_ Check if the load current is on range with current declared on the component;
_ Check the line or the equipments connected below the component.

FAULT 5704

Text
COP UNIT - FTX101 - Fault analog input

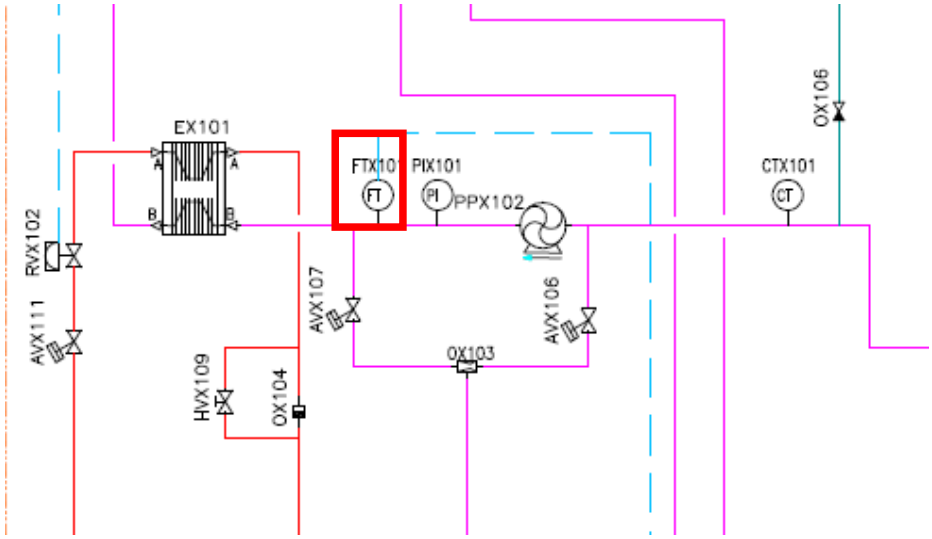
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of the component;
_ Check the parameterization set on the component;
_ Replace the component;

FAULT 5705

Text
COP UNIT - PPX101 - Feedback fault

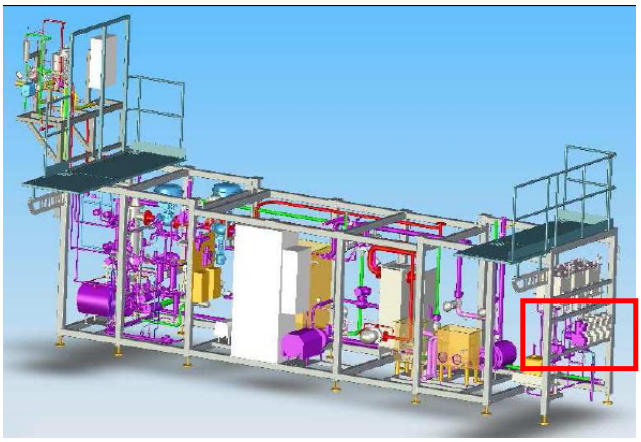
Cause

When the dosing pump is in run, on the PLC card doesn't arrive the feedback pulse for a established time.

Consequences

It's an Alarm, causes PAA preparation cycle Stop.

Location



Corrective actions

_ Verify the status on the pump;
_ Check the parameterization of the pump;
_ Check status of the piping line after the pump;

FAULT 5710

Text
COP UNIT - FTX101 - Flowrate too low

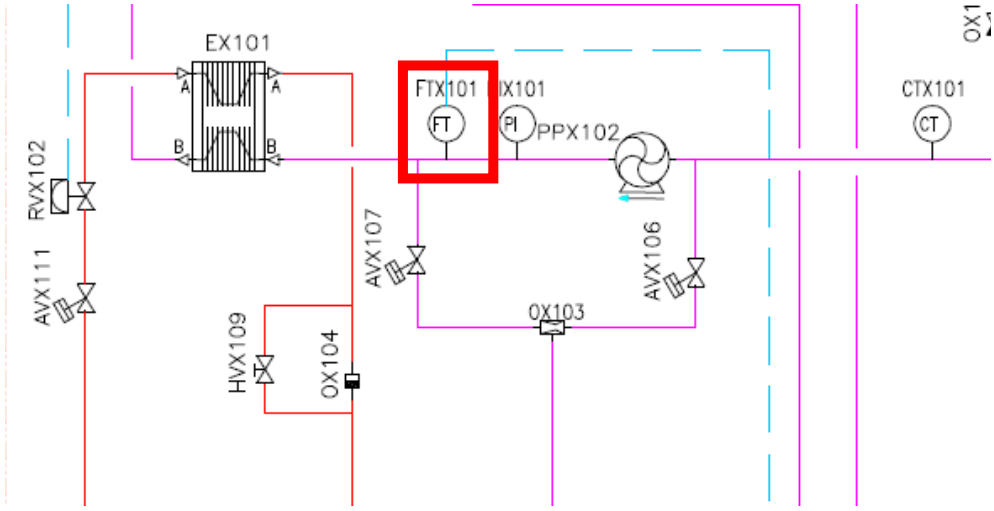
Cause

When the flow read by FTX101 is lower that the minimum flowrate parameter or is lower that the setpoint used during cycle for a established time.

Consequences

It's a critical fault, COP critical action type.

Location



Corrective actions

_ Check the status of the FTX101;
_ Check if there is some leakage in COP circuit;
_ Check the parameterization set on device;

FAULT 5711

Text
COP UNIT - FTX101 - Flowrate too high

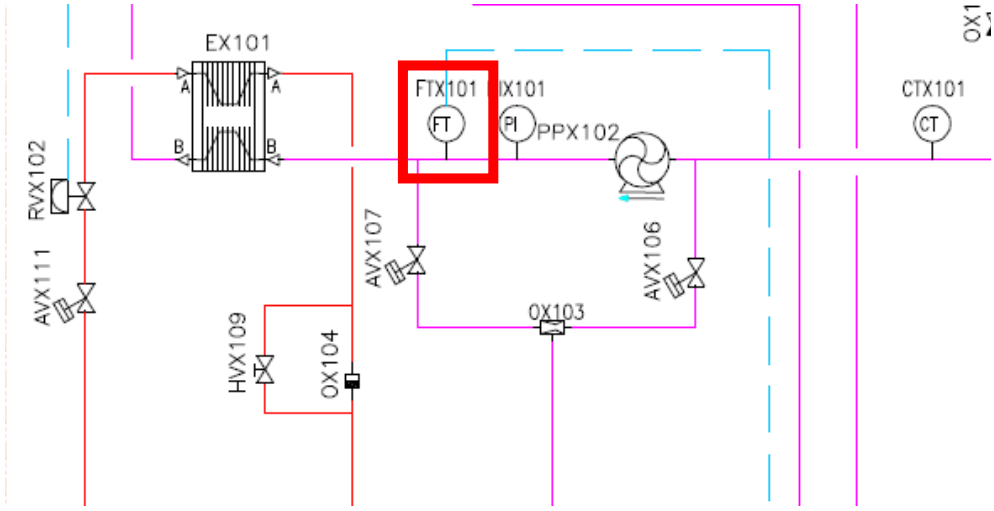
Cause

When the flow read by FTX101 is higher that the maximum flowrate parameter for a established time.

Consequences

It's a critical fault, COP all sending stop action type.

Location



Corrective actions

_ Check the status of the FTX101;
_ Check the parameterization set on device;
_ Check if there are too many areas open simultaneously on COP recipe;

FAULT 5715

Text
COP UNIT - TTX101 - Outlet temperature too low

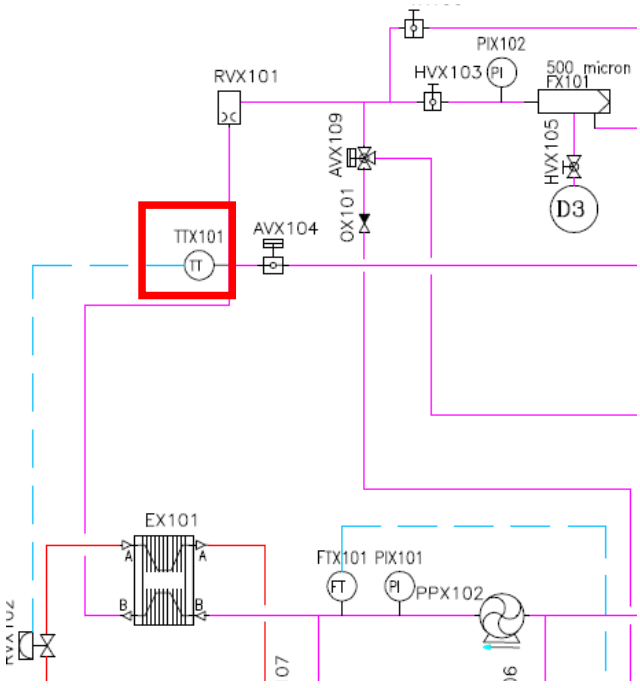
Cause

If during the COP running phase, the temperature read by TTX101 is lower that the caustic minimum temperature parameter.

Consequences

It's an alarm, COP all sending freeze action type.

Location



Corrective actions

_ Check the status of the component;
_ Check the status of steam circuit;
_ Check the parameterization of heating PID;

FAULT 5716

Text
COP UNIT - TTX101 - Outlet temperature too high

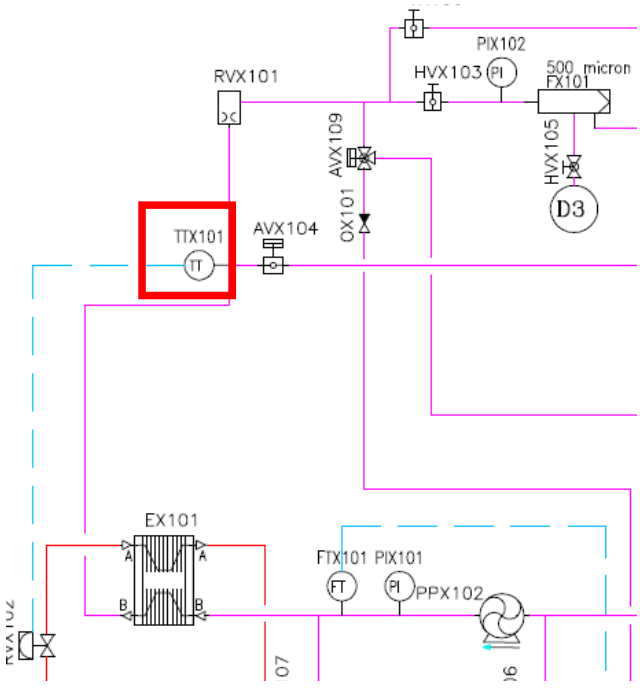
Cause

If during the COP running phase, the temperature read by TTX101 is higher that the caustic maximum temperature parameter.

Consequences

It's an alarm, COP all sending freeze action type.

Location



Corrective actions

_ Check the status of the component;
_ Check the parameterization of heating PID;

FAULT 5717

Text
COP UNIT - TTX101 - Analog input anomaly

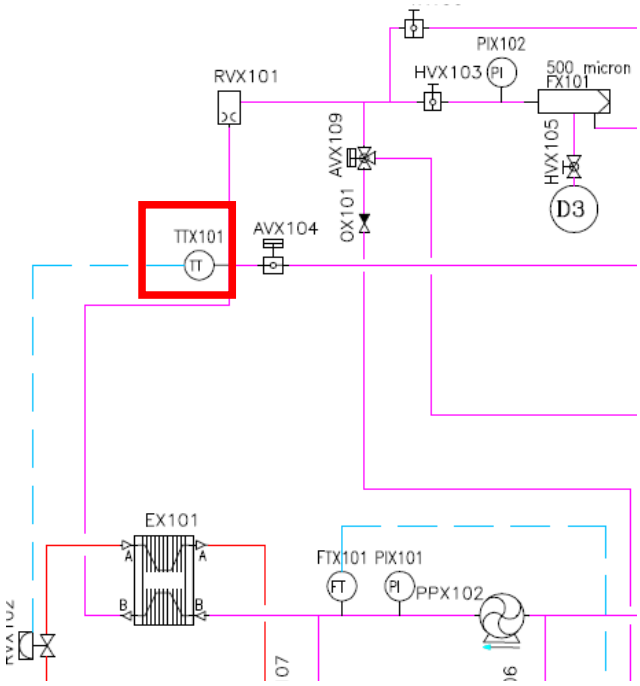
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an alarm, COP critical action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 5718

Text
COP UNIT - CTX101 - Conductivity recovery timeout

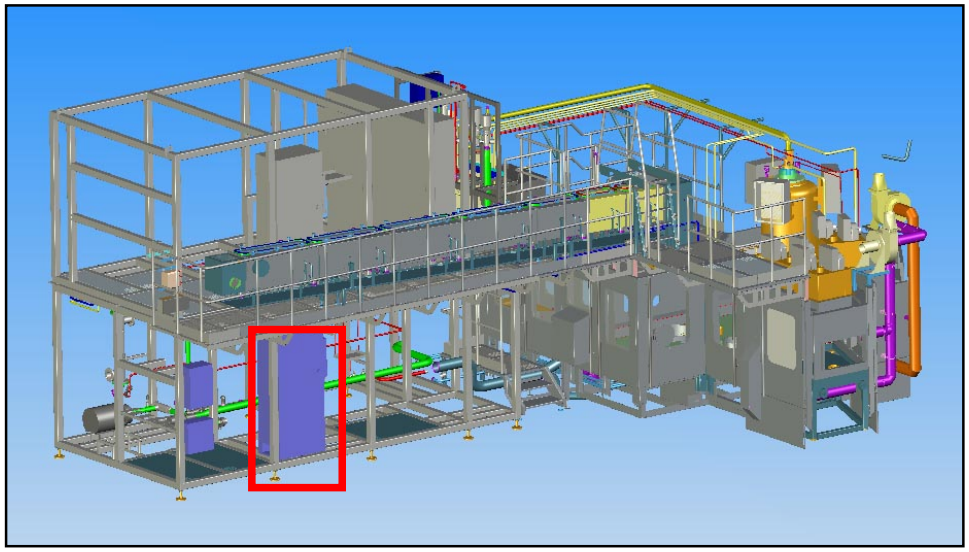
Cause

If during COP caustic preparation, the conductivity value read by CTX101 stay under the setpoint value required.

Consequences

It's a critical fault, causes an Acid preparation stop cycle.

Location



Corrective actions

_ Check the parameterization set on the device;
_ Check the caustic dosing line;
_ Check the status of soda dosing pump;

FAULT 5719

Text
COP UNIT - CTX101 - Conductivity too low

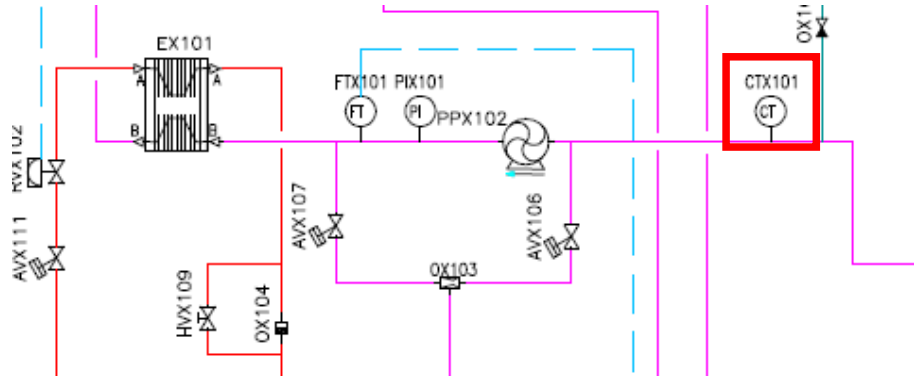
Cause

When the conductivity value read by CTX101 is lower that the minimum caustic concentration parameter for a established time.

Consequences

It's an alarm, COP acid sending freeze action type.

Location



Corrective actions

_ Check the status of the component;
_ Check the status of dosing pump;
_ Check the status of acid/soda line after dosing pump;
_ Verify the parameterization set on the device;

FAULT 5720

Text
COP UNIT - CTX101 - Conductivity too high

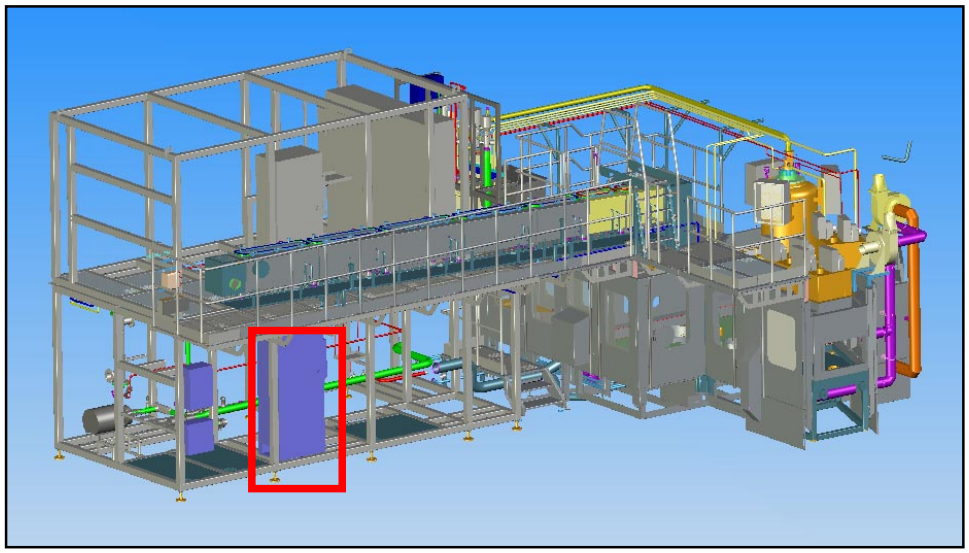
Cause

If during COP caustic sending cycle, the conductivity value read by CTX101 is higher that the caustic maximum concentration parameter.

Consequences

It's a critical fault, causes an Acid sending stop cycle.

Location



Corrective actions

_ Check the parameterization set on the device;
_ Check the caustic dosing line;
_ Check the status of soda dosing pump;

FAULT 5721

Text
COP UNIT - CTX101 - Analog input anomaly (conductivity)

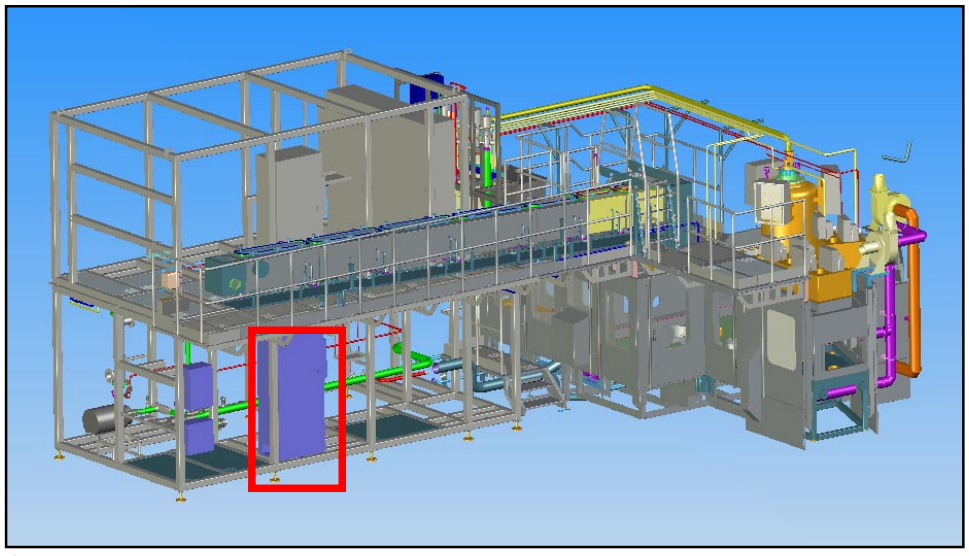
Cause

When the conductivity analog input provided by CTX101 doesn't arrive on plc card

Consequences

It's a critical fault, COP critical action type.

Location



Corrective actions

_ Check the status of the device;
_ Replace the conductivity device connected on CTX101;

FAULT 5722

Text
COP UNIT - CTX101 - Analog input anomaly (temperature)

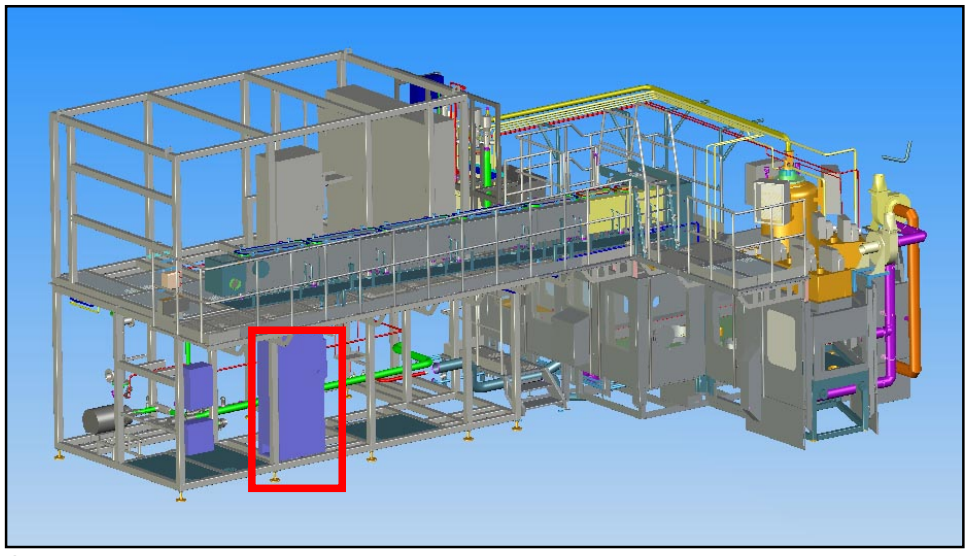
Cause

When the temperature analog input provided by CTX101 doesn't arrive on plc card

Consequences

It's a critical fault, COP critical action type.

Location



Corrective actions

_ Check the status of the device;
_ Replace the temperature device connected on CTX101;

FAULT 5723

Text
COP UNIT - TTX101 - Recovery temperature timeout

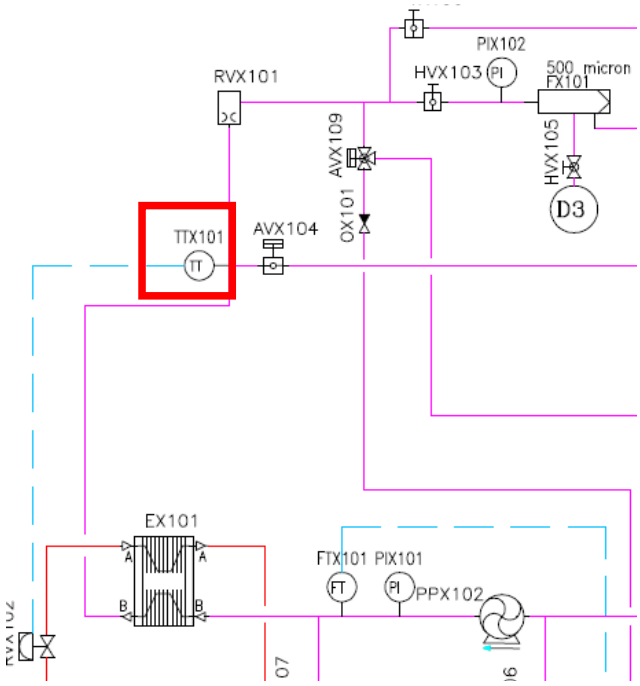
Cause

If during COP preparation and sending cycle, the temperature read by TTX101 is lower that the minimum caustic temperature setpoint or is higher that the maximum caustic temperature for a established time.

Consequences

It's an alarm, COP critical action type.

Location



Corrective actions

_ Check the status of the component;
_ Check the parameterization of heating PID
_ Replace the component;

FAULT 5730

Text
COP UNIT - PPX101 - Check pump display

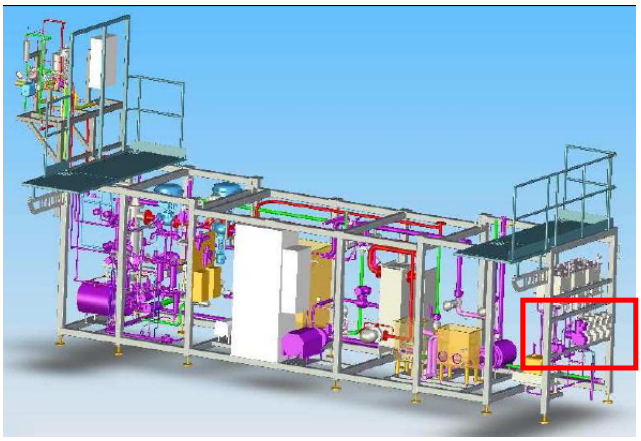
Cause

When the dosing pump goes in alarm due a error on the counter of oval gear meter pulses.

Consequences

It's a critical fault, COP-PAA sending stop action type.

Location



Corrective actions

_ Check if the oval gear meter isn't clogged;
_ Verify the status on the pump;
_ Check the parameterization of the pump;
_ Check status of the piping line after the pump;

FAULT 5733

Text
COP UNIT - LTX101 - Low level during caustic sending

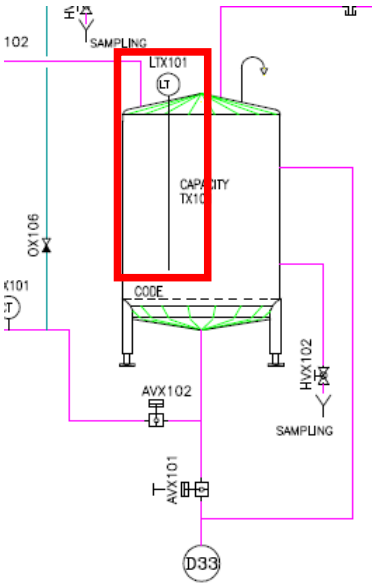
Cause

If during COP sending phase, the level read by LTX101 is lower that the minimum level tank parameter.

Consequences

It's a critical fault, COP-PAA sending stop action type.

Location



Corrective actions

_Check the status of the component;
_Check the calibration of the device;
_Check the status of recovery unit;

FAULT 5735

Text
COP UNIT - LTX101 - Analog input anomaly

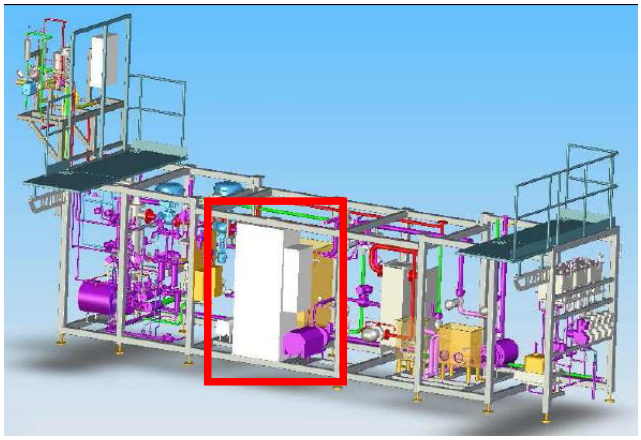
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's a critical fault, COP-PAA sending stop action type.

Location



Corrective actions

_ Replace the component;

FAULT 5740

Text
COP UNIT - TE101 - Drain timeout

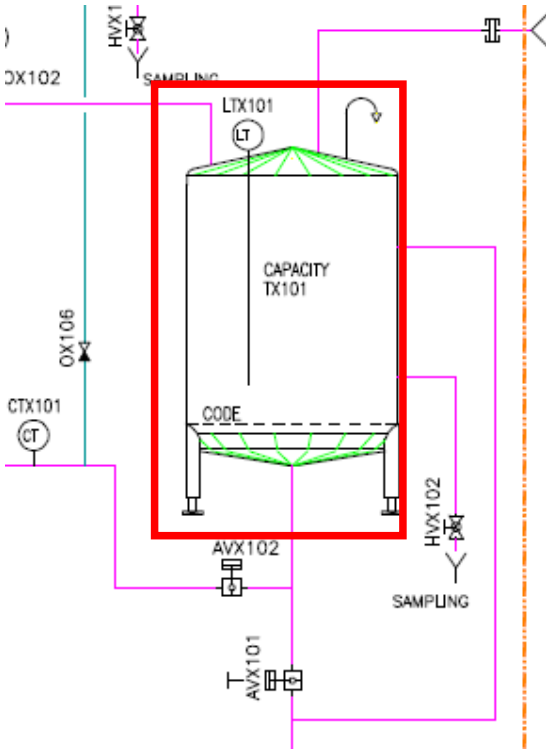
Cause

If during the COP drain phase, the time taken for emptying COP tank is greater of 600 seconds.

Consequences

It's an alarm, maintenance action type.

Location



Corrective actions

_ Check if there aren't the discharges clogged;
_ Check the AVX101 calibration when is excited;

FAULT 5741

Text
COP UNIT - TE101 - Filling timeout

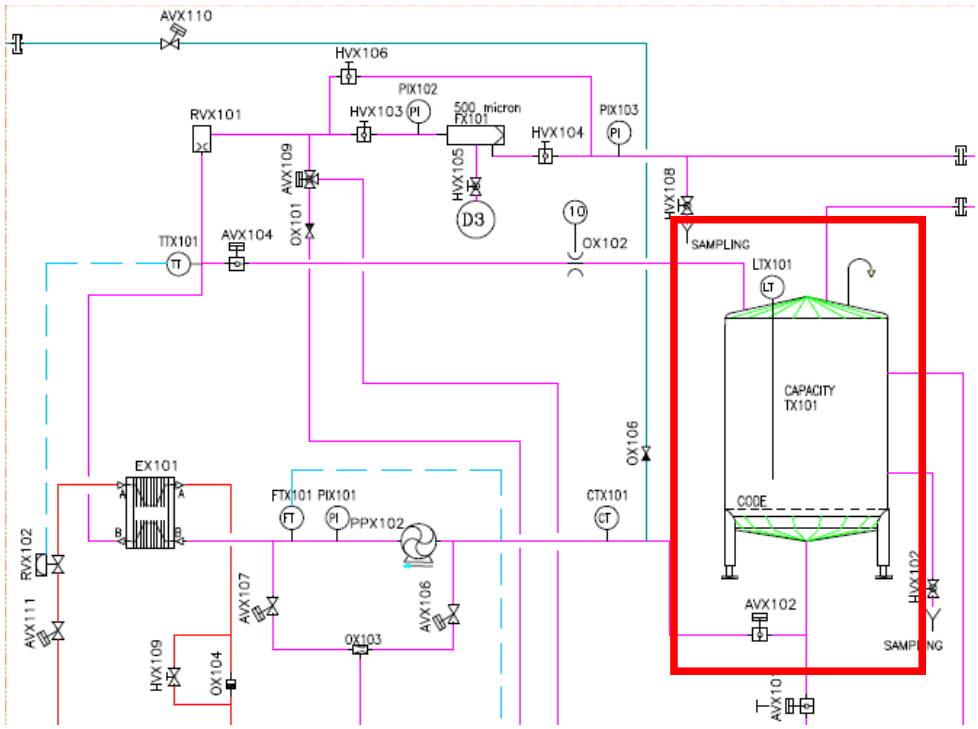
Cause

If during the COP filling tank phase, the time taken for filling COP tank is greater of 600 seconds.

Consequences

It's an alarm, maintenance action type.

Location



Corrective actions

_ Check the status of process water line;
_ Check the functioning of AVX110 valve;

FAULT 5742

Text
COP UNIT - Mixing/heating timeout

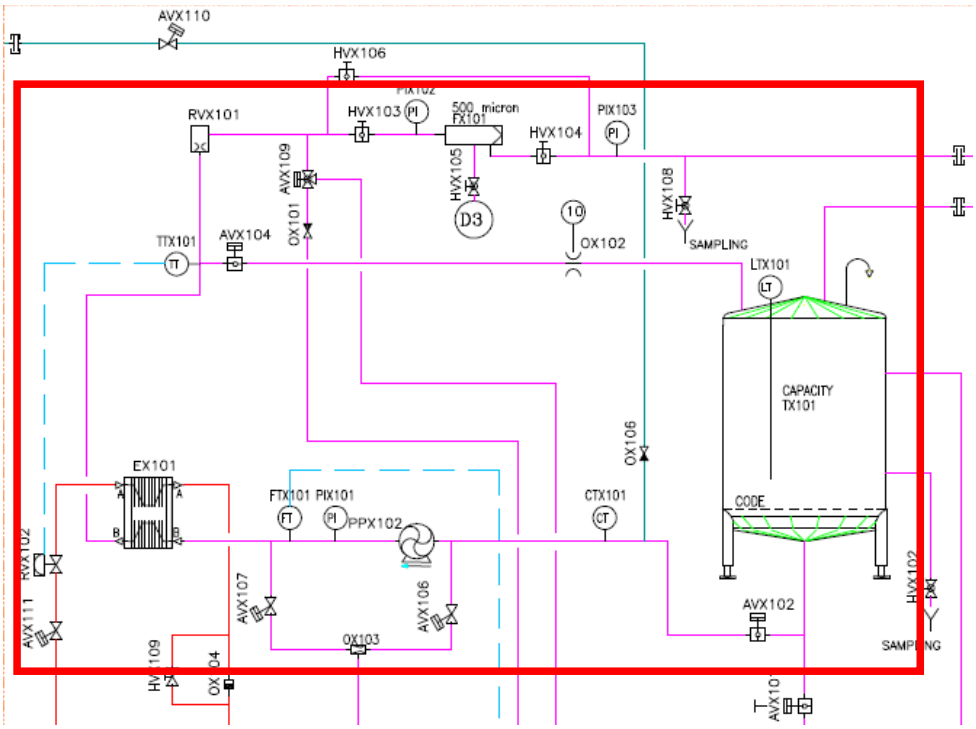
Cause

If during the COP mixing and heating phase, the time taken by COP unit for mixing and heating is greater of 1200 seconds.

Consequences

It's an alarm, maintenance action type.

Location



Corrective actions

_ Check the status of steam line;
_ Check the status of chemicals lines;
_ Check the parameterization of heating PID;
_ Check the correct functioning of venturi system;

DUMMY BOTTLES

Performance through Understanding

Sidel

FAULT 4150

Text
DUMMY BOTTLES - Sterility lost due dummy bottles not installed

Cause
If during production phase, one or more dummy bottles are detected from the dummy bottles position sensor.

Consequences

It's an alarm, causes a COP freeze cycle.

Location

Corrective actions
_Check the status of dummy bottles position sensor;
_Check the status of Dummy bottles air;
_Check the status of electrovalve for change the dummy bottles position;

FAULT 4152

Text
DUMMY BOTTLES - 002PSA - Command low air pressure

Cause
When during CIP cycle, 005EPA electrovalve is excited, the signal of 002PSA don't arrives on PLC card.

Consequences

It's an alarm, causes a CIP failed.

Location

Is on filler carousel, in AB06 box.

Corrective actions
_Check the status of the device;
_Check the dummy bottles manometer air regulation;
_Check the parameterization on the device;

FAULT 4153

Text
DUMMY BOTTLES - 002PSA - Command low air pressure

Cause
When during SIP cycle, 005EPA electrovalve is excited, the signal of 002PSA don't arrives on PLC card.

Consequences

It's an alarm, causes a SIP tank failed.

Location

Is on filler carousel, in AB06 box.

Corrective actions
_Check the status of the device;
_Check the dummy bottles manometer air regulation;
_Check the parameterization on the device;

FAULT 4560

Text
DUMMY BOTTLES - Operation failed

Cause:

If during dummy bottles control, one or more dummy bottles is out of position.

Consequences

It's an alarm, causes a machine stop.

Location

Corrective actions

_Check the status of dummy bottles position sensor;
_Check the status of Dummy bottles air;
_Check the status of electrovalve for change the dummy bottles position;
_Check if the dummy bottles position sensor is in phase with the clock_A;

ELECTRICAL

Performance through Understanding

Sidel

FAULT 4006

Text
ELECTRICAL - XC01 - Temperature too high in main electrical cabinet

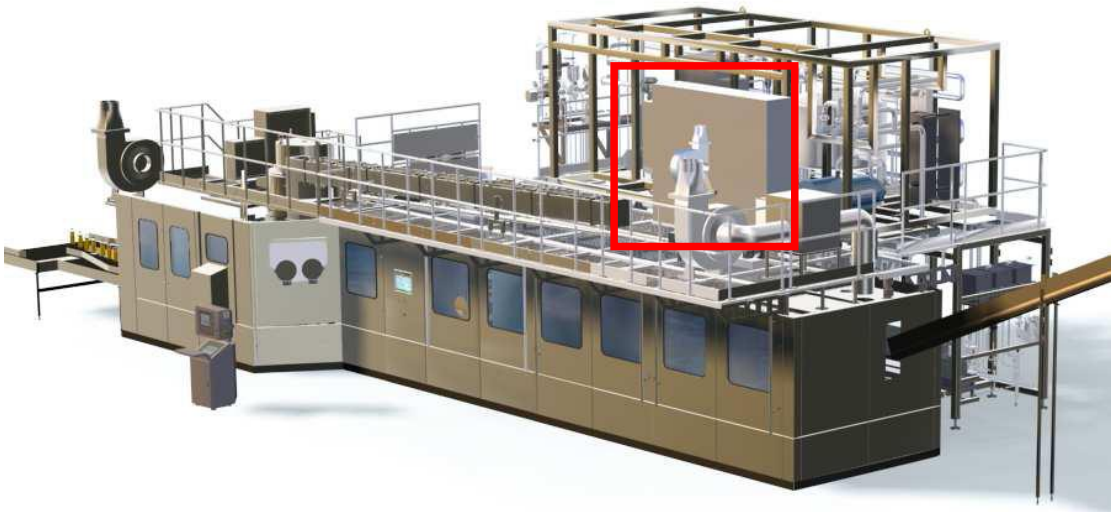
Cause

when the temperature inside the box is greater than the temperature set on air conditioner integrated thermostat.

Consequences

It's a message, its actions type is display only.

Location



Corrective actions

_Check the setting of integrated thermostat, it must be 45 degrees;
_Verify that the air conditioner is working properly;
_if the air conditioner is in stop, check the sense of the phases;

FAULT 4007

Text
ELECTRICAL - XC01 - 400 V thermal overload

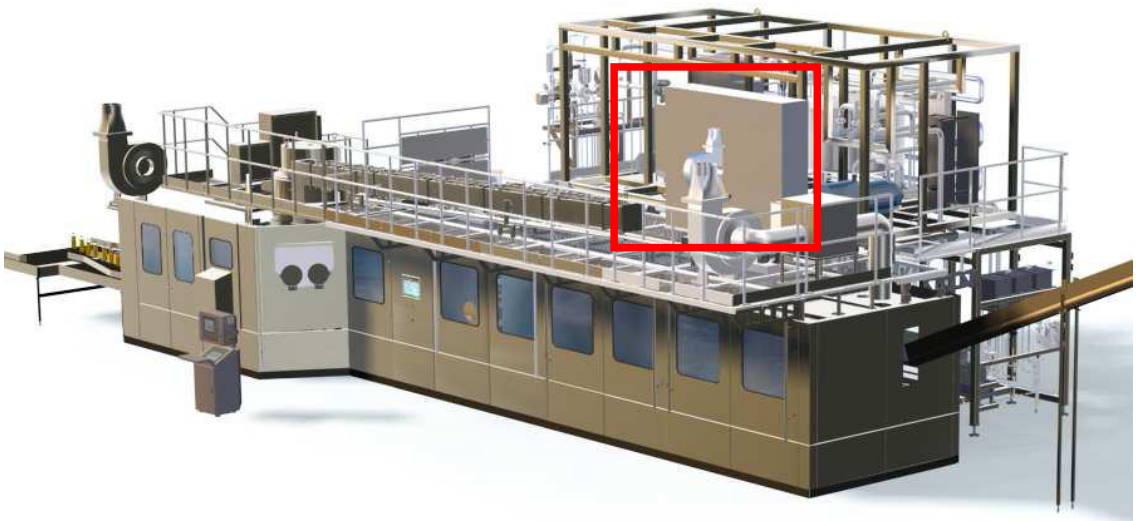
Cause

There is a serial feedback of all 400V thermic in main cabinet. The thermic goes in trip when the current load is greater then the "Ir" sett on the thermic switch.

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check if there isn't continuity from each phases to the ground;
_ Check the settings of load current on the thermic switch;

FAULT 4008

Text
ELECTRICAL - XC01 - 230 V thermal overload

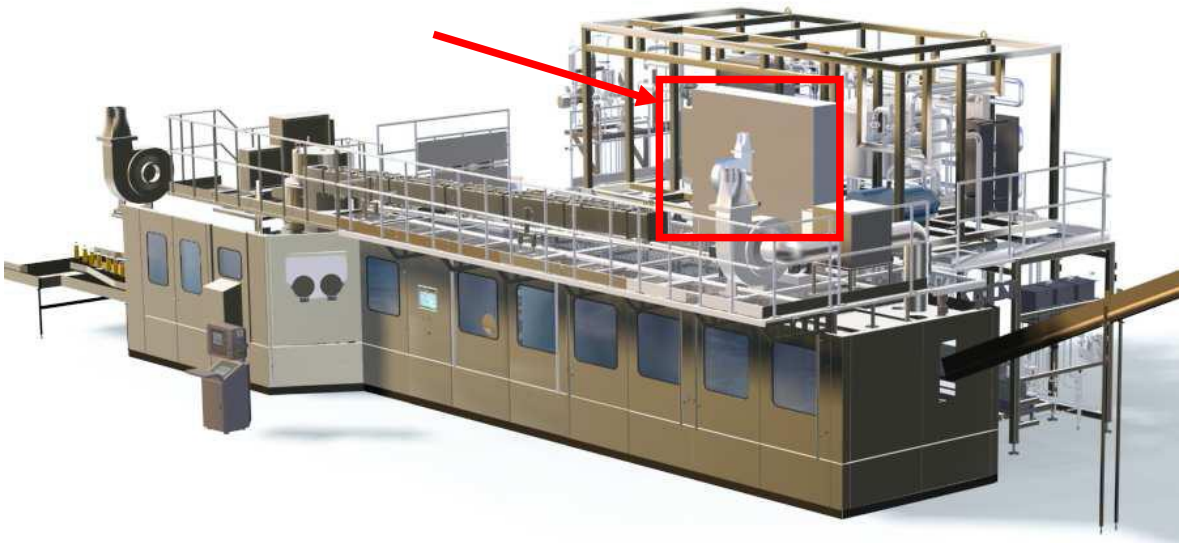
Cause

There is a serial feedback of all 230V thermic in main cabinet. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 4009

Text
ELECTRICAL - XC01 - 24 VDC thermal overload

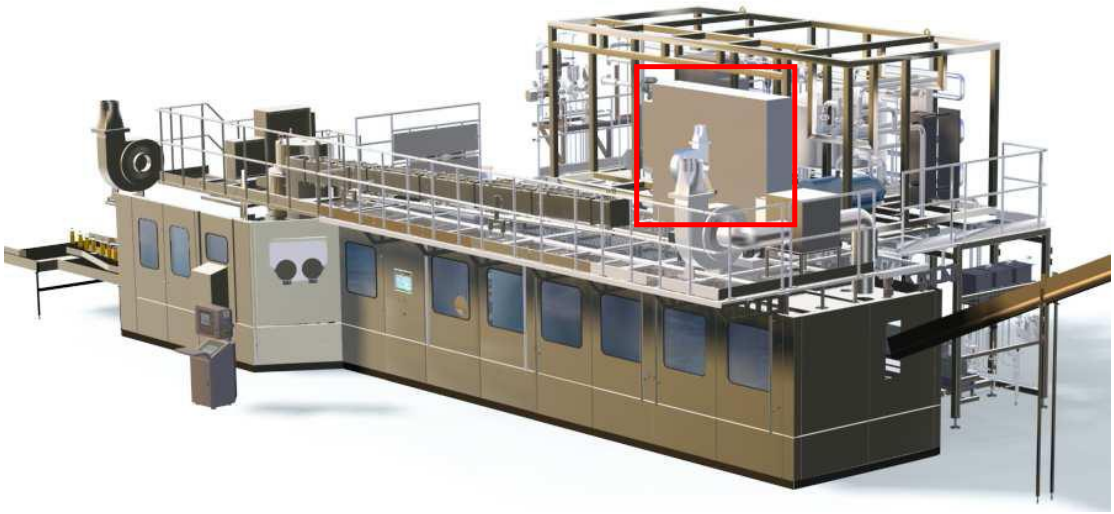
Cause

There is a serial feedback of all 24V thermic in main cabinet. The thermic goes in trip when there is a mistake on common terminal (positive signal is invert with negative signal) or when current load is greater then that declared on the component .

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check if the load current is on range with current declared on the component;
_ Check the line or the equipments connected below the component.

FAULT 4015

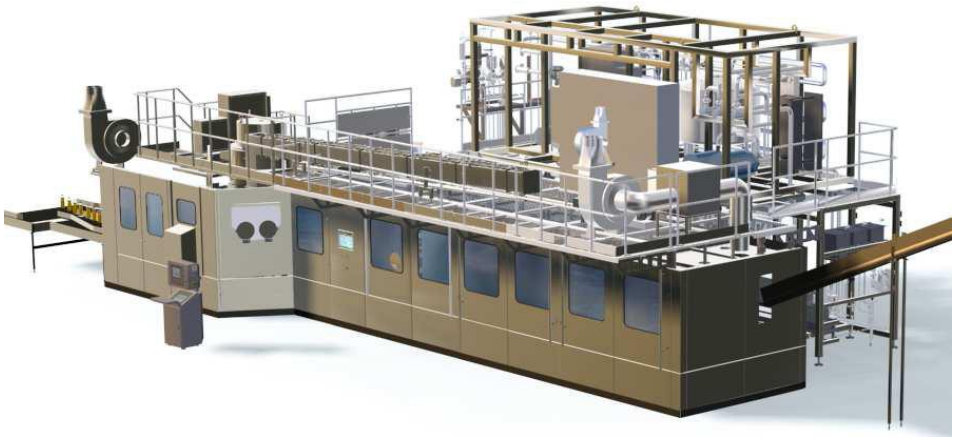
Text
ELECTRICAL - Profibus DP fault (detail in diagnostic page)

Cause

When one node or more don't communicate with filler master DP network.

Consequences

It’s a critical fault, causes a motorization quick Stop
Location



See in a diagnostic page for found the node with communication broken

Corrective actions

_ Check if the resistance on the profibus connector is in the correct position (OFF=signal passing, ON= line terminal) in according to the electrical drawing;
_ Check the connection and the presence of power supply to the DP node;
_ Check the status led on the unitis;
_ Change a broken device;

FAULT 4383

Text
ELECTRICAL - AB01 - 24 VDC thermal overload

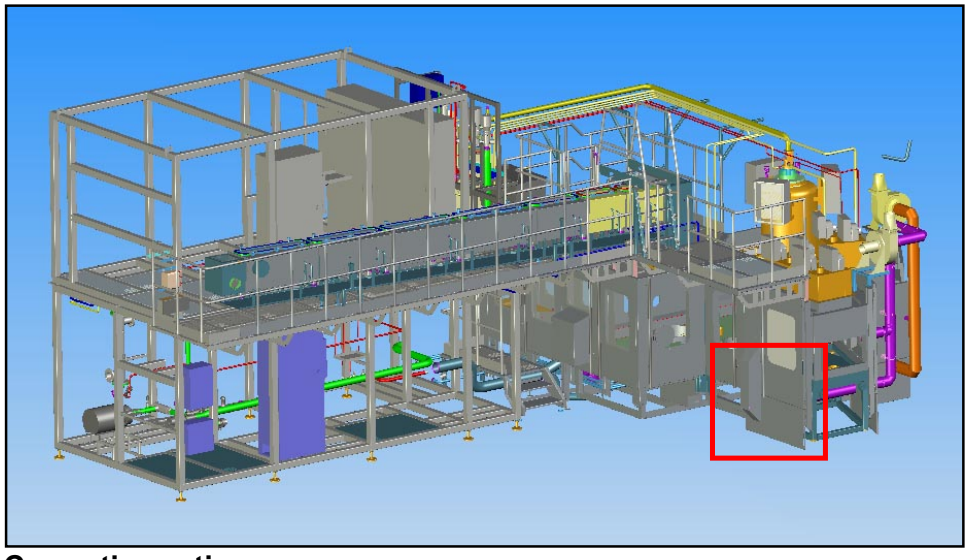
Cause

There is a serial feedback of all 24V thermic in AB01 Box. The thermic goes in trip when current load is greater then that declared on the component or when the component below is broken .

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check if the load current is on range with current declared on the component;
_ Check the line or the equipments connected below the component.

FAULT 4384

Text
ELECTRICAL - AB03 - 24 VDC thermal overload

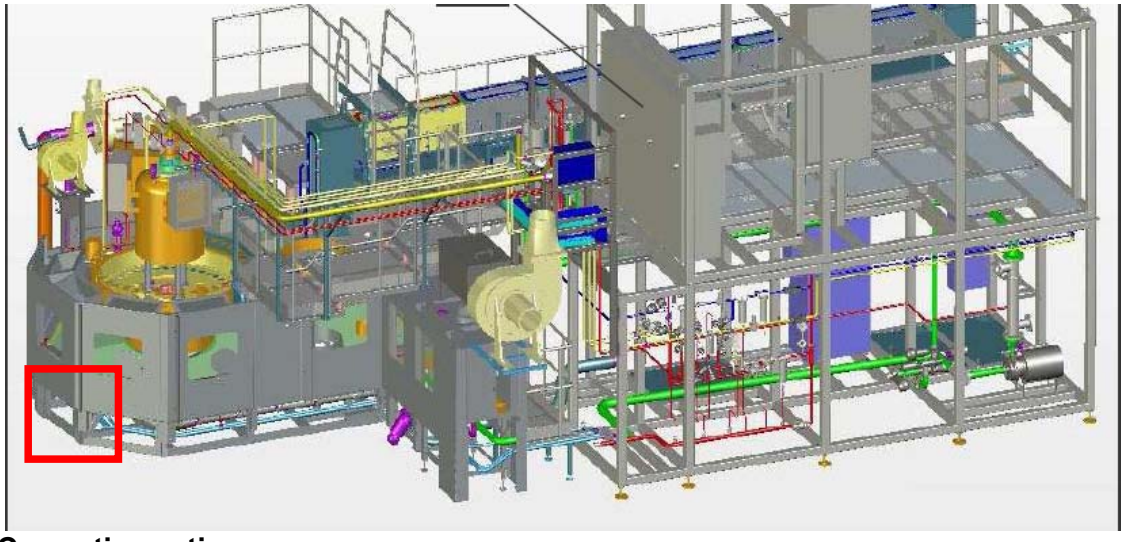
Cause

There is a serial feedback of all 24V thermic in AB03 Box. The thermic goes in trip when current load is greater then that declared on the component or when the component below is broken .

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check if the load current is on range with current declared on the component;
_ Check the line or the equipments connected below the component.

FAULT 4385

Text
ELECTRICAL - AB06 - 24 VDC PLC OUTPUT thermal overload

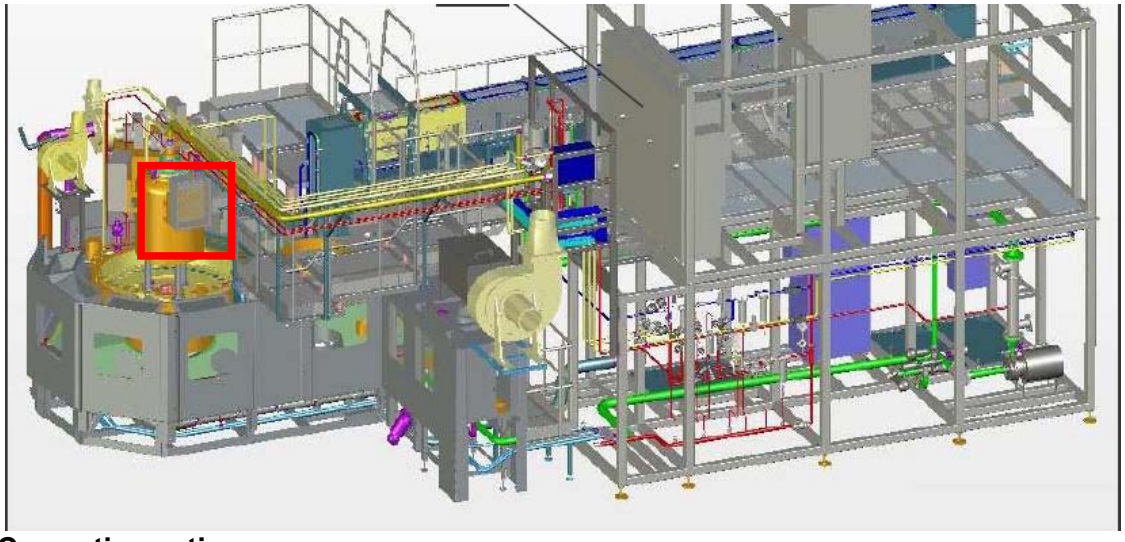
Cause

There is a serial feedback of all 24V thermic in AB06 Box. The thermic goes in trip when current load is greater then that declared on the component or when the component below is broken .

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check if the load current is on range with current declared on the component;
_ Check the line or the equipments connected below the component.

FAULT 4386

Text
ELECTRICAL - GB02 - 24 VDC PLC OUTPUT thermal overload

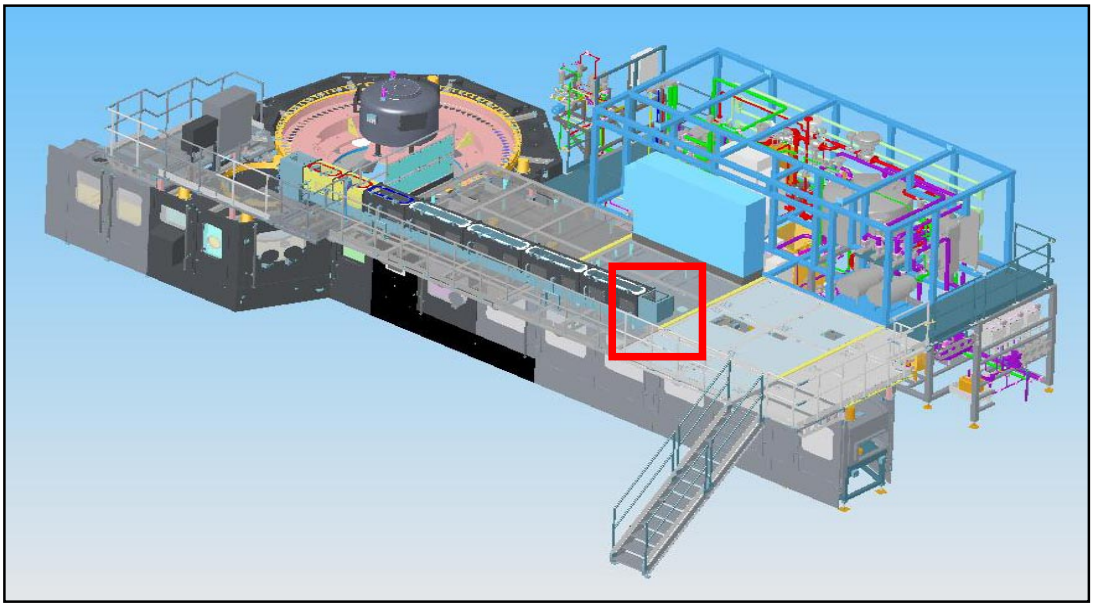
Cause

There is a serial feedback of all 24V thermic in GB02 Box. The thermic goes in trip when current load is greater then that declared on the component or when the component below is broken .

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check if the load current is on range with current declared on the component;
_ Check the line or the equipments connected below the component.

FAULT 4387

Text
ELECTRICAL - YB01 - 24 VDC thermal overload

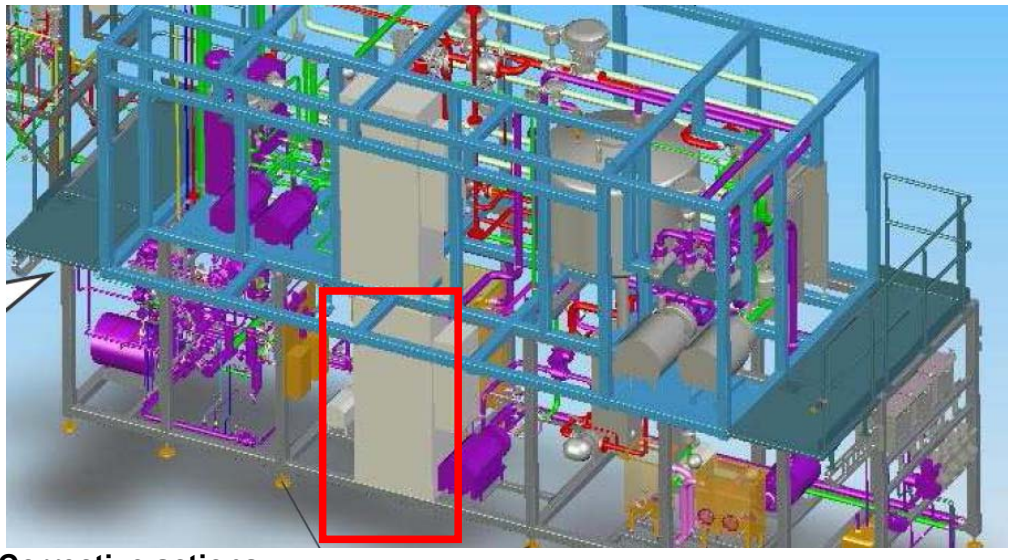
Cause

There is a serial feedback of all 24V thermic in YB01 Box. The thermic goes in trip when current load is greater then that declared on the component or when the component below is broken .

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check if the load current is on range with current declared on the component;
_ Check the line or the equipments connected below the component.

FAULT 4388

Text
ELECTRICAL - IB02 - 24 VDC thermal overload

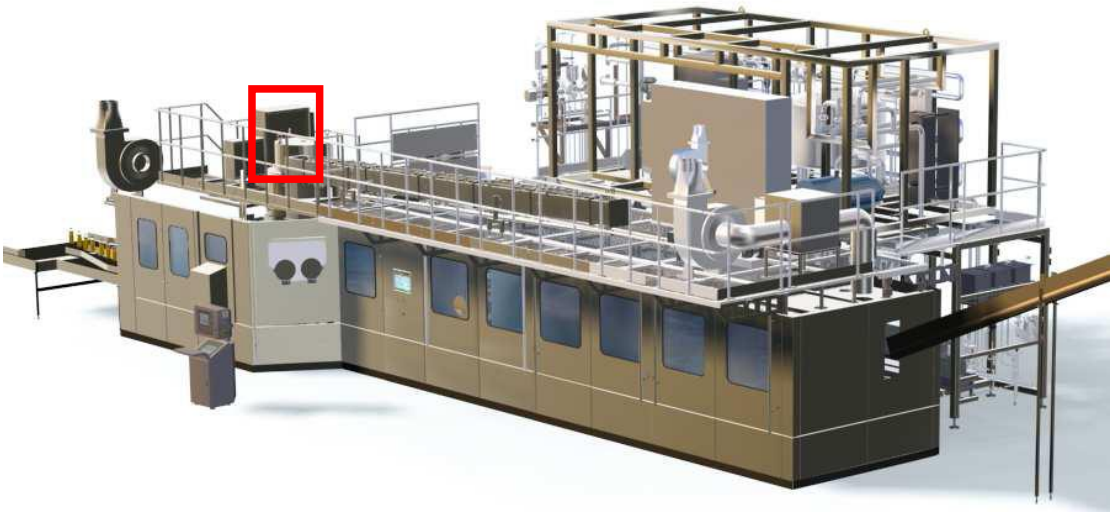
Cause

There is a serial feedback of all 24V thermic in IB02 Box. The thermic goes in trip when current load is greater then that declared on the component or when the component below is broken .

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check if the load current is on range with current declared on the component;
_ Check the line or the equipments connected below the component.

FAULT 4389

Text
ELECTRICAL - AB02 - 24 VDC thermal overload

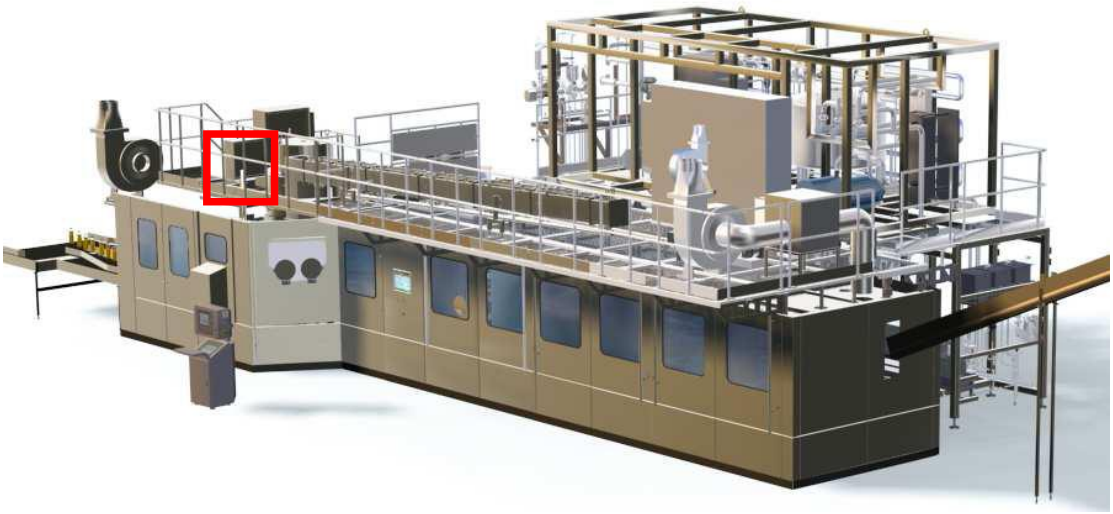
Cause

There is a serial feedback of all 24V thermic in AB02 Box. The thermic goes in trip when current load is greater then that declared on the component or when the component below is broken .

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check if the load current is on range with current declared on the component;
_ Check the line or the equipments connected below the component.

FAULT 4391

Text
ELECTRICAL - AB03 - 400 V main switch

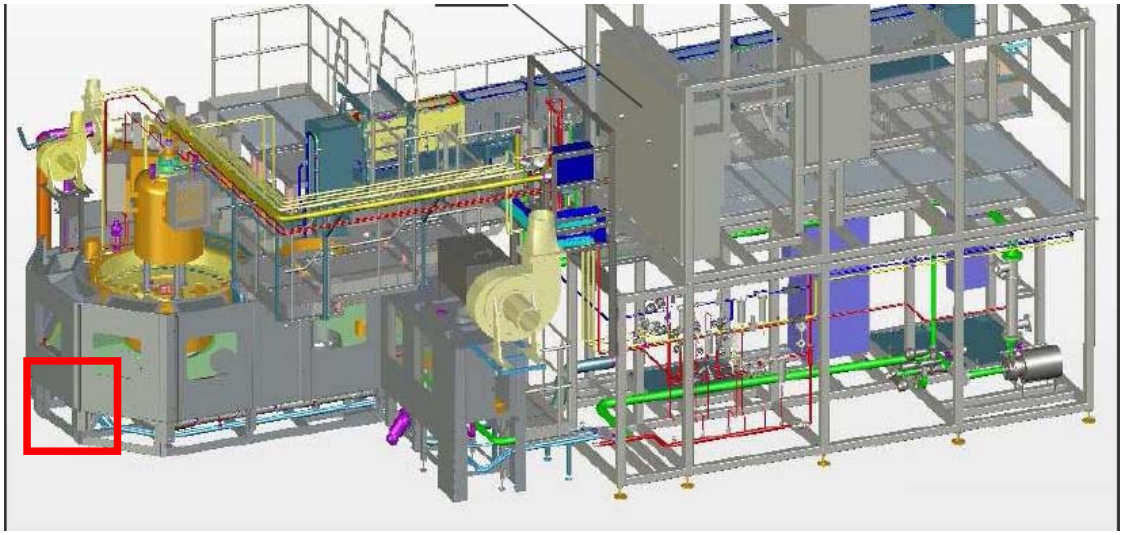
Cause

There is a serial feedback of all 400V thermic in AB03 Box. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 4392

Text
ELECTRICAL - IB02 - 400 V main switch

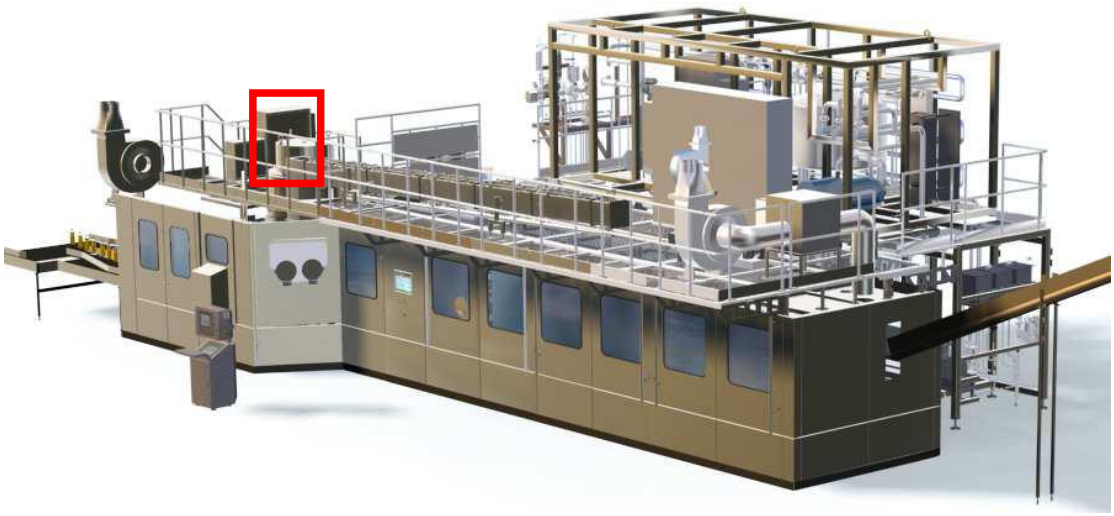
Cause

There is a serial feedback of all 400V thermic in IB02 Box. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 4393

Text
ELECTRICAL - YB01 - 400 V main switch

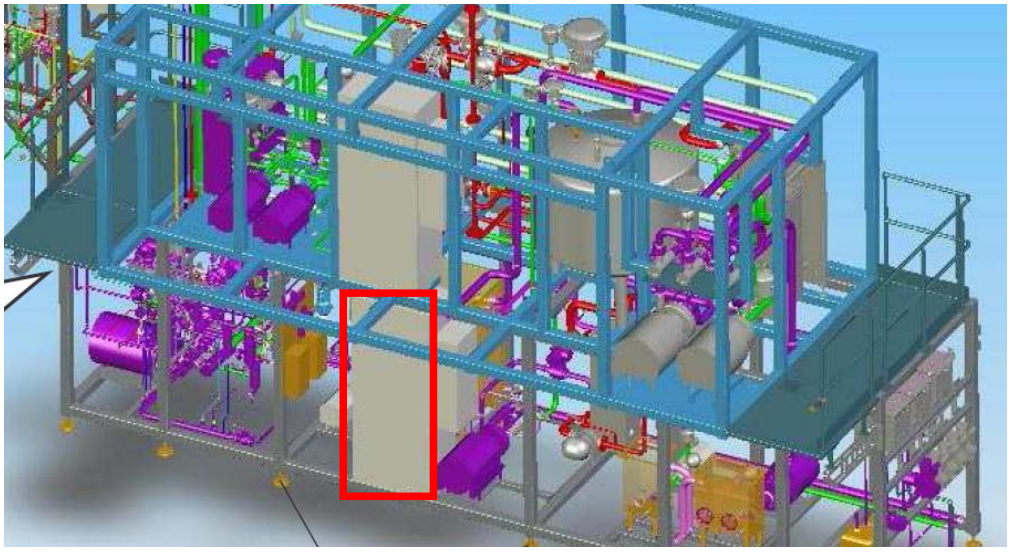
Cause

There is a serial feedback of all 400V thermic in YB02 Box. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 4394

Text
ELECTRICAL - AB03 - FILLER MANIFOLD 400V main switch

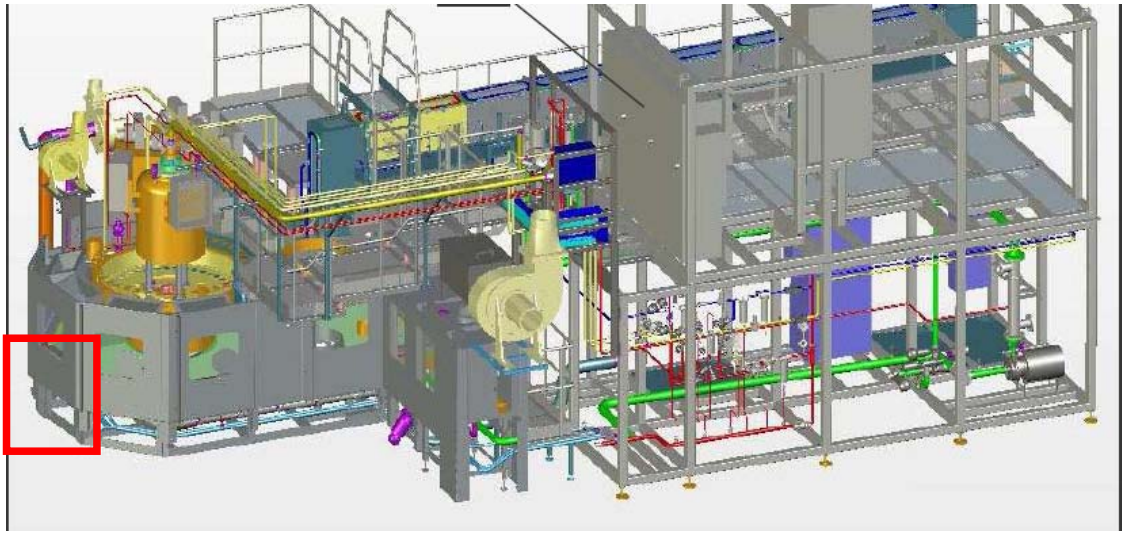
Cause

There is a serial feedback of all 400V thermic in AB03 Box. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 4395

Text
ELECTRICAL - YB01 - 230 V thermal overload

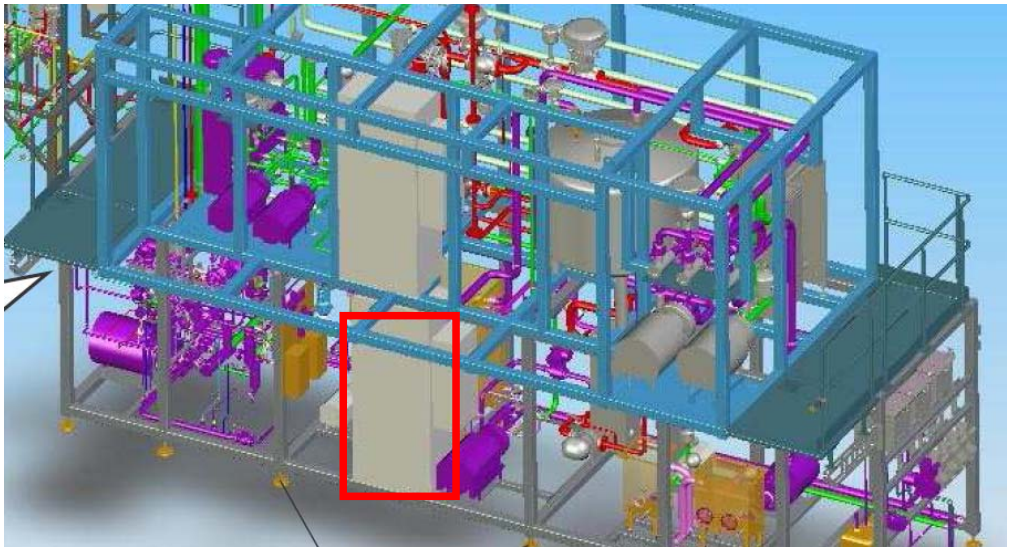
Cause

There is a serial feedback of all 230V thermic in YB01 Box. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 4396

Text
ELECTRICAL - YB01 -Temperature too high in the box

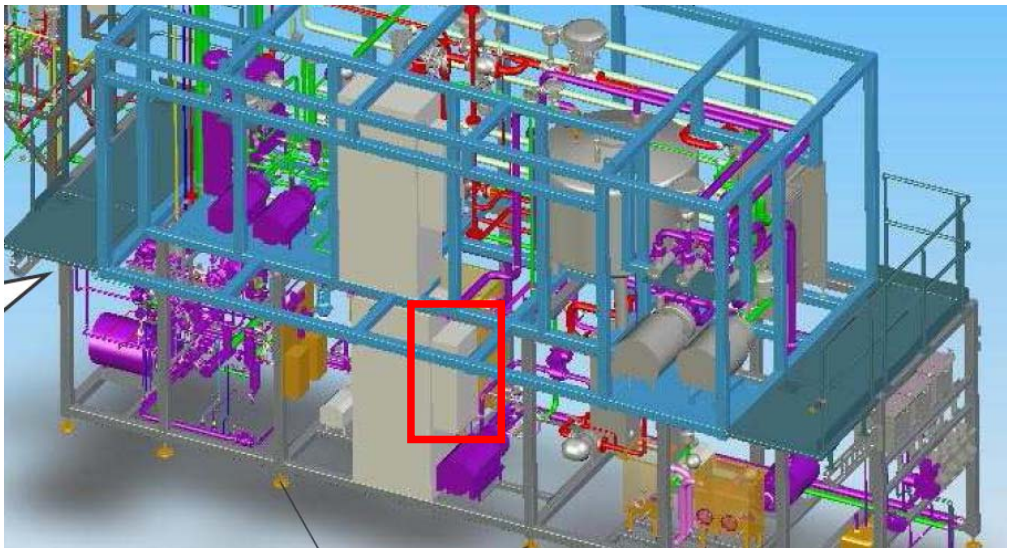
Cause

when the temperature inside the box is greater than the temperature set on air conditioner integrated thermostat.

Consequences

It's a message, actions type is display only.

Location



Corrective actions

_Check the setting of integrated thermostat, it must be 45 degrees;
_ verify that the air conditioner is working properly;
_if the air conditioner is in stop, check the sense of the phases;

FAULT 4397

Text
ELECTRICAL - AB06 -400 V main switch

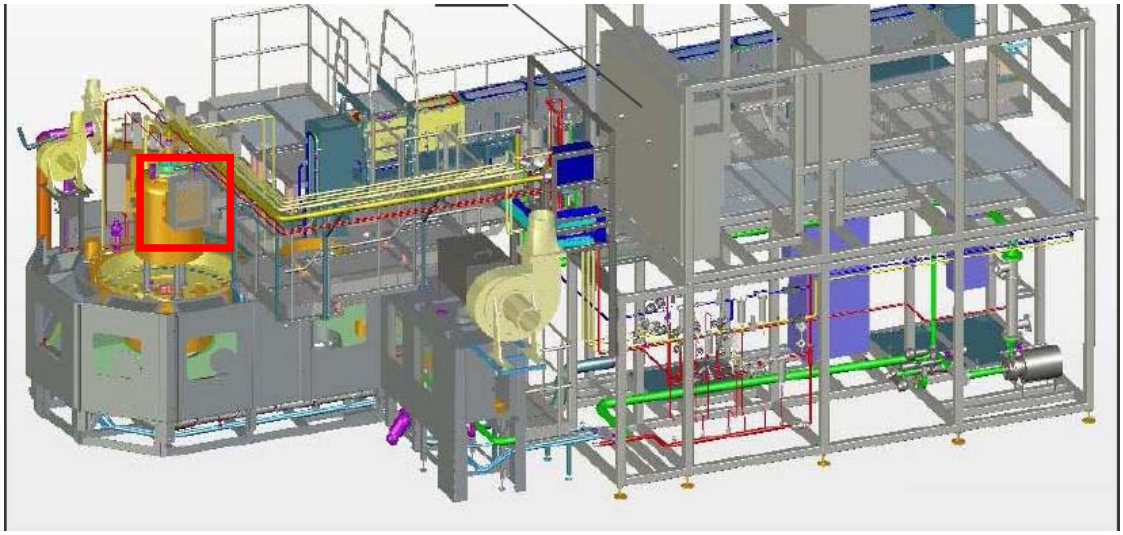
Cause

There is a serial feedback of all 400V thermic in AB06 Box. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 4398

Text
ELECTRICAL - IB02 -Temperature too high in the box

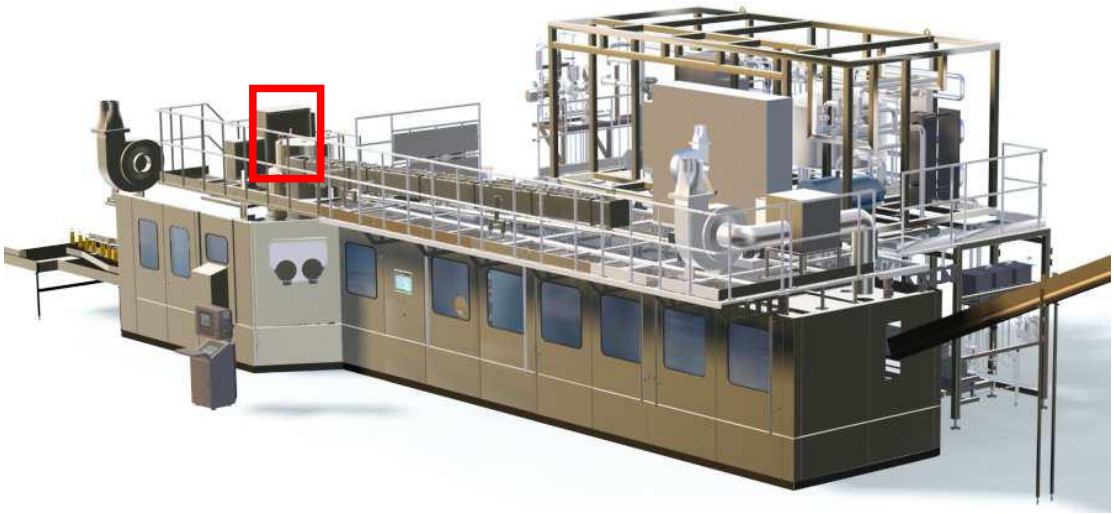
Cause

when the temperature inside the box is greater than the temperature set on air conditioner integrated thermostat.

Consequences

It's a message, its actions type is display only.

Location



Corrective actions

_Check the setting of integrated thermostat, it must be 45 degrees;
_ verify that the air conditioner is working properly;
_if the air conditioner is in stop, check the sense of the phases;

FAULT 4399

Text
ELECTRICAL - Light Module Y thermal overload

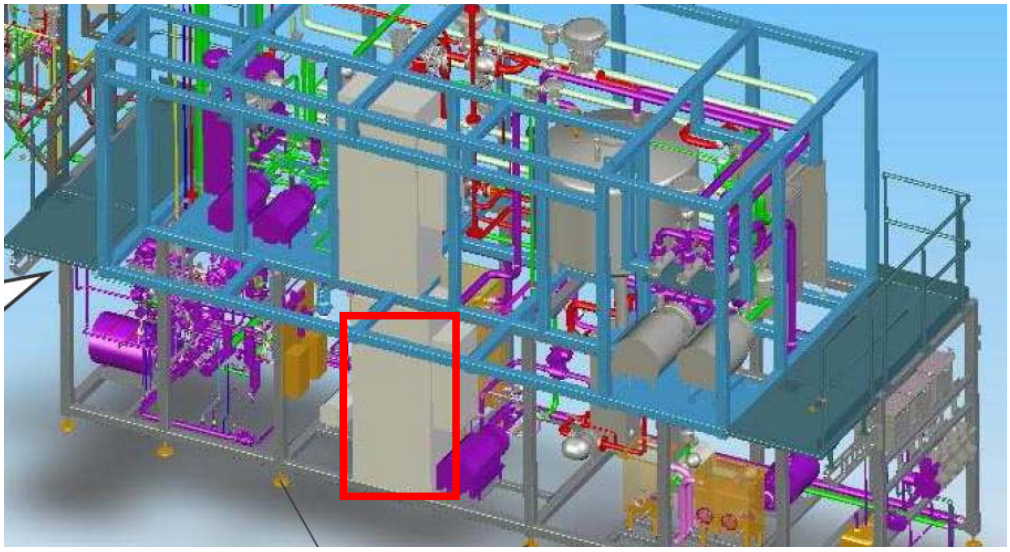
Cause

The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 4405

Text
ELECTRICAL - Light Module Y - Position fault

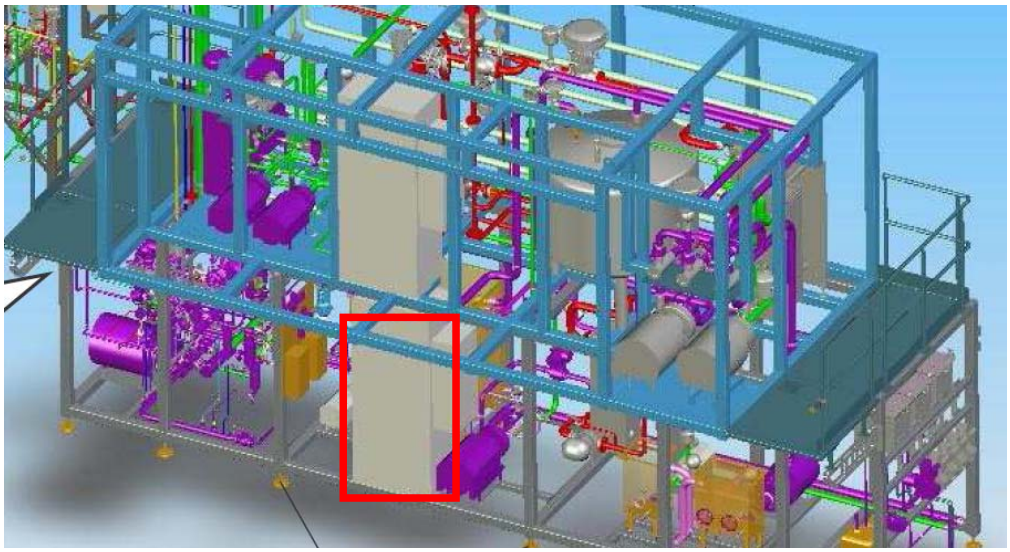
Cause

When don’t arrive the feedback of the contactor when this is excited.

Consequences

It’s a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_Check the mechanical functioning of contactor;
_Check the functioning of the component connected;

FAULT 4409

Text
ELECTRICAL - YB02 - 24 VDC thermal overload

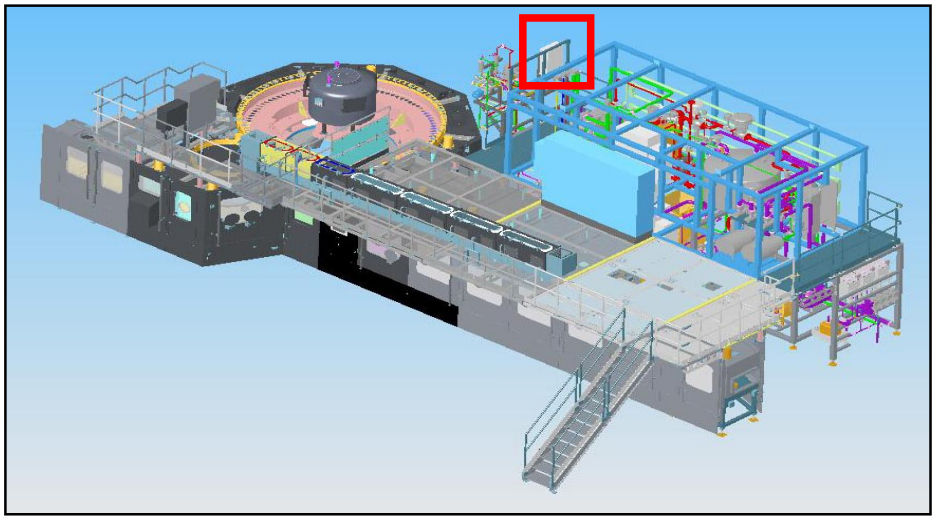
Cause

There is a serial feedback of all 24V thermic in YB02 Box. The thermic goes in trip when current load is greater then that declared on the component or when the component below is broken .

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check if the load current is on range with current declared on the component;
_ Check the line or the equipments connected below the component.

FAULT 4410

Text
ELECTRICAL - YB03 - 24 VDC thermal overload

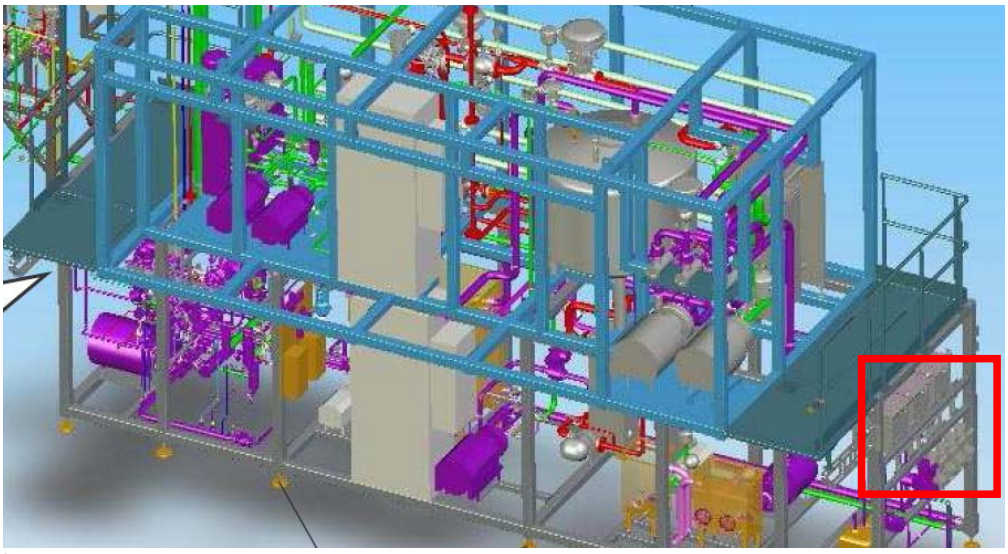
Cause

There is a serial feedback of all 24V thermic in YB03 Box. The thermic goes in trip when current load is greater then that declared on the component or when the component below is broken .

Consequences

It's a critical fault, causes a motorization ramp Stop.

Location



Corrective actions

_ Check if the load current is on range with current declared on the component;
_ Check the line or the equipments connected below the component.

FAULT 4794

Text
ELECTRICAL - Light filler chamber - Position fault

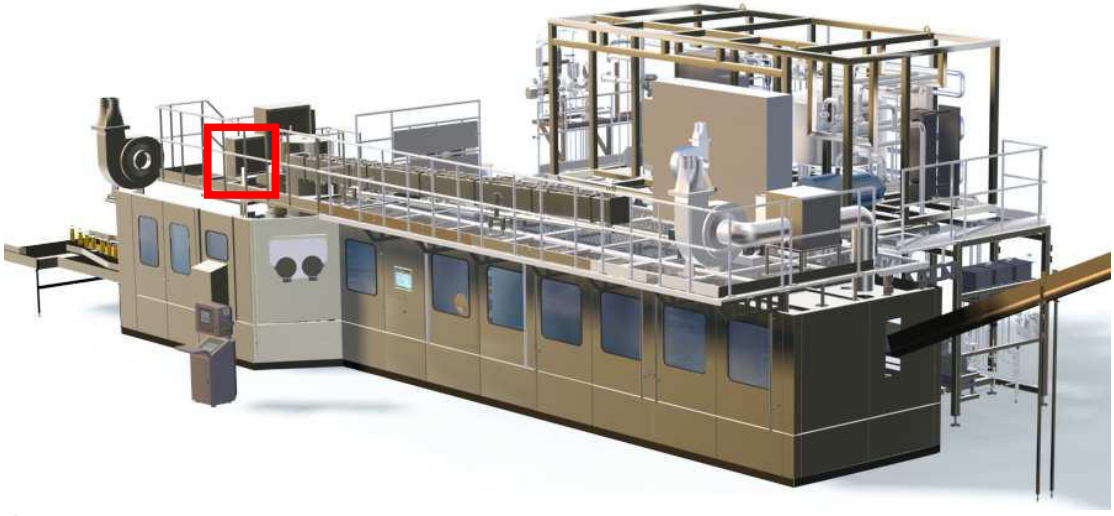
Cause

When don’t arrive the feedback of the contactor when this is excited.

Consequences

It’s an Alarm, maintenance action type.

Location



Corrective actions

_Check the mechanical functioning of contactor;
_Check the functioning of the component connected;

FAULT 4795

Text
ELECTRICAL - Light filler chamber - Thermal overload

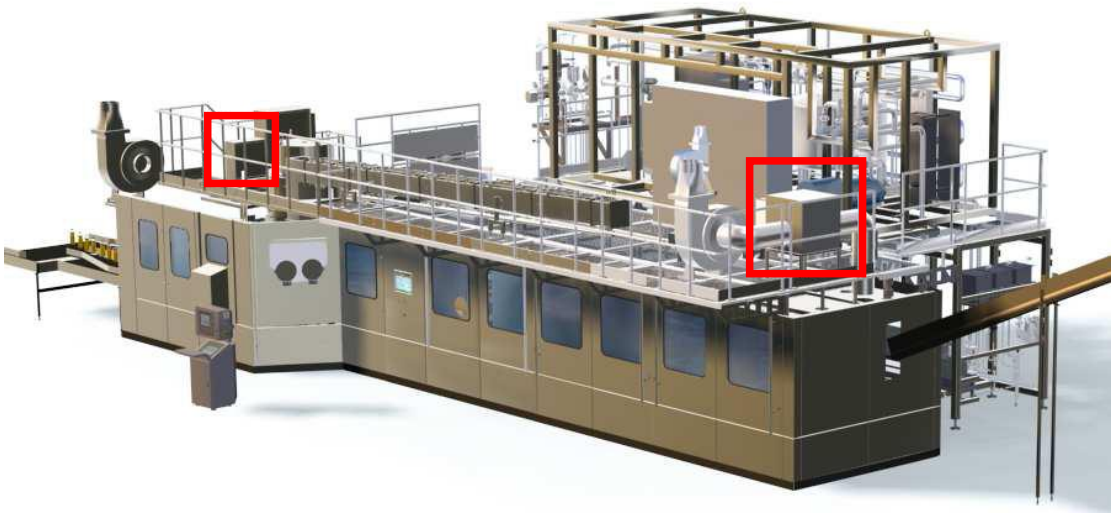
Cause

The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 4700

Text
ELECTRICAL - UPS 24V - Alarm

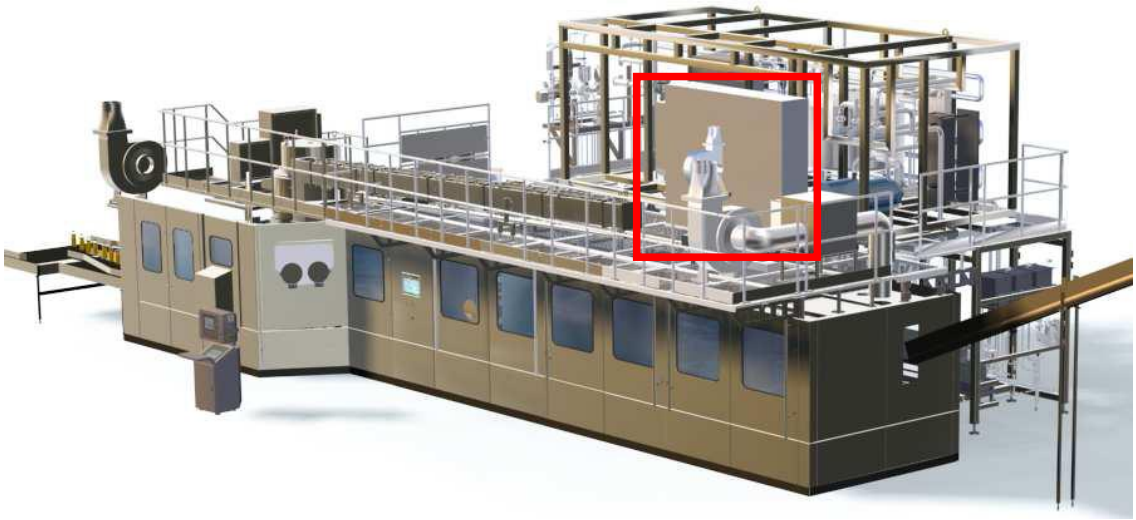
Cause

When one of the components that interact with the UPS is Broken or when there isn't power supply for recharge the batteries.

Consequences

It's a message, display only action type.

Location



Corrective actions

_Verify the correct functioning of additional components;
_Check the dip switch, set to according with electrical drawing;

FAULT 4701

Text
ELECTRICAL - UPS 24V - Battery not ready

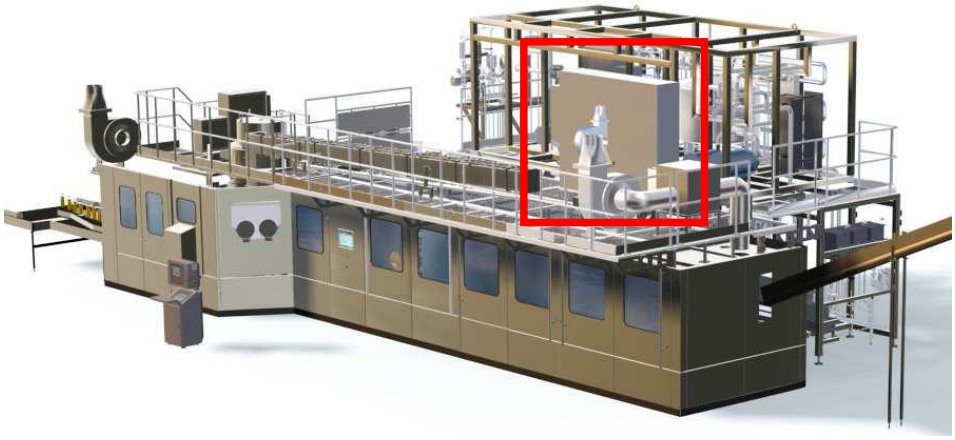
Cause

When the charge level of the batteries is low.

Consequences

It’s a message, display only action type.

Location



Corrective actions

_Check the battery life;

FAULT 4702

Text
ELECTRICAL - UPS 24V - Machine running with battery

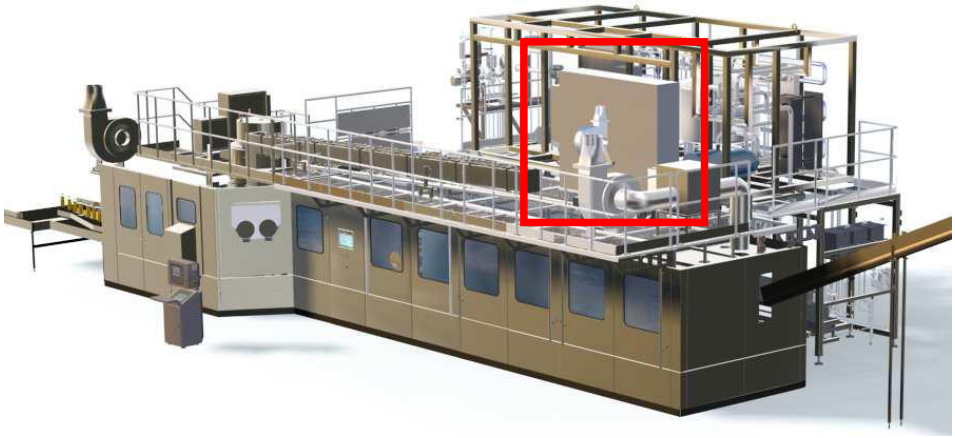
Cause

When there is no power supply (400V) in a main cabinet.

Consequences

It’s a critical fault, causes a motorization quick Stop.

Location



Corrective actions

_verify the cause of no power supply in main cabinet ;

FAULT 4703

Text
ELECTRICAL - UPS 24V - Battery change required

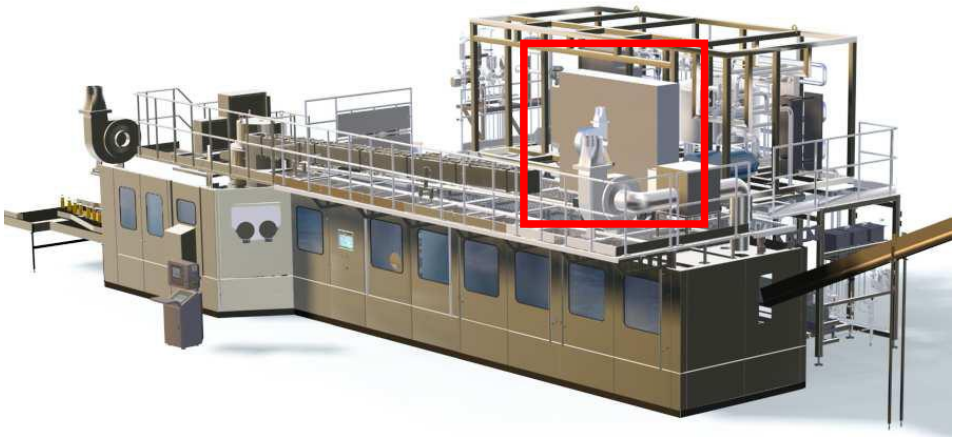
Cause

When the battery Is out of order.

Consequences

It’s a message, display only action type.

Location



Corrective actions

_ Replace the battery;

AUXILIARY UNIT

Performance through Understanding

Sidel

FAULT 7008

Text
GENERAL - Profibus node 1 - CPU electrical cabinet

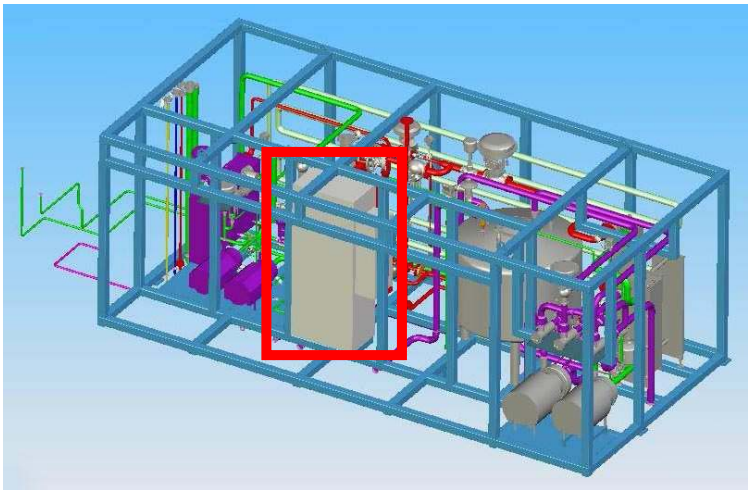
Cause

When one node or more don't communicate with AUS DP network.

Consequences

It’s a critical fault, causes a cycle stop.

Location



See in a diagnostic page for found the node with communication broken

Corrective actions

_ Check if the resistance on the profibus connector is in the correct position (OFF=signal passing, ON= line terminal) in according to the electrical drawing;
_ Check the connection and the presence of power supply to the DP node;
_ Check the status led on the unitis;
_ Change a broken device;

FAULT 7009

Text
GENERAL - Profibus node 3 - ET200S Sterile Water Unit

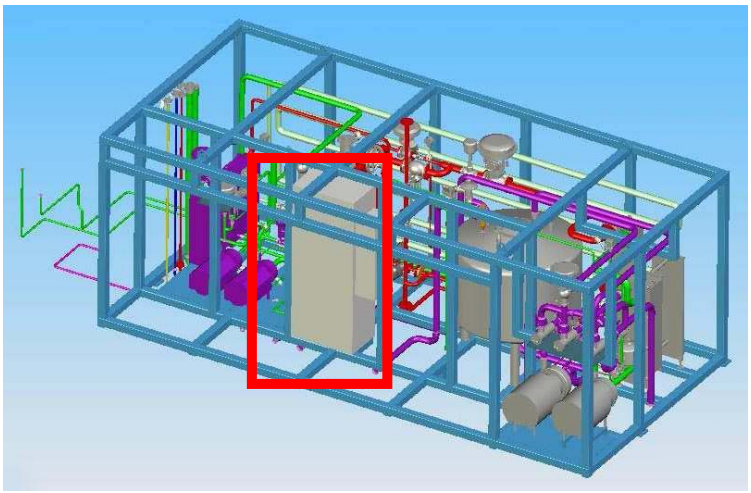
Cause

When one node or more don't communicate with AUS DP network.

Consequences

It’s a critical fault, causes a cycle stop.

Location



See in a diagnostic page for found the node with communication broken

Corrective actions

_ Check if the resistance on the profibus connector is in the correct position (OFF=signal passing, ON= line terminal) in according to the electrical drawing;
_ Check the connection and the presence of power supply to the DP node;
_ Check the status led on the unitis;
_ Change a broken device;

FAULT 7010

Text
GENERAL - Profibus node 7 - ET200S PAA Unit

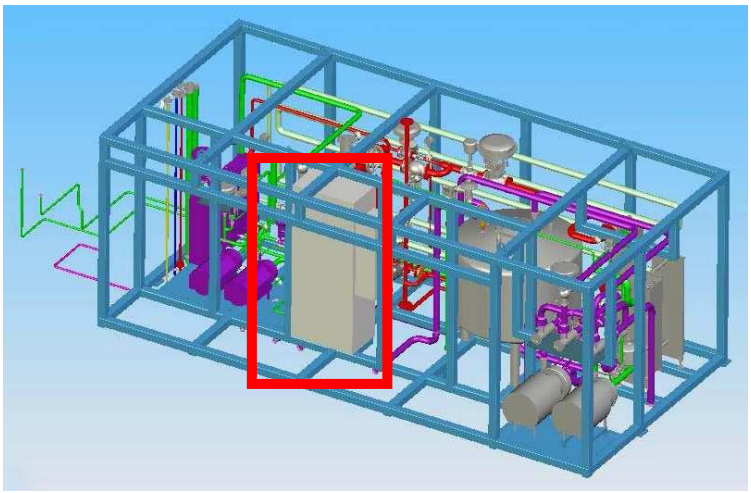
Cause

When one node or more don't communicate with AUS DP network.

Consequences

It’s a critical fault, causes a cycle stop.

Location



See in a diagnostic page for found the node with communication broken

Corrective actions

_ Check if the resistance on the profibus connector is in the correct position (OFF=signal passing, ON= line terminal) in according to the electrical drawing;
_ Check the connection and the presence of power supply to the DP node;
_ Check the status led on the unitis;
_ Change a broken device;

FAULT 7011

Text
GENERAL - Profibus node 11 - ET200S Dosing Pump Control

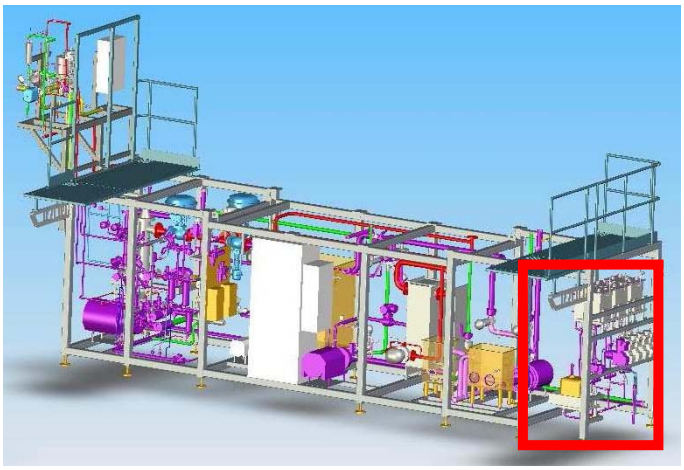
Cause

When one node or more don't communicate with AUS DP network.

Consequences

It’s a critical fault, causes a cycle stop.

Location



See in a diagnostic page for found the node with communication broken

Corrective actions

_ Check if the resistance on the profibus connector is in the correct position (OFF=signal passing, ON= line terminal) in according to the electrical drawing;
_ Check the connection and the presence of power supply to the DP node;
_ Check the status led on the unitis;
_ Change a broken device;

FAULT 7012

Text
GENERAL - Profibus node 15 - FESTO pneumatic

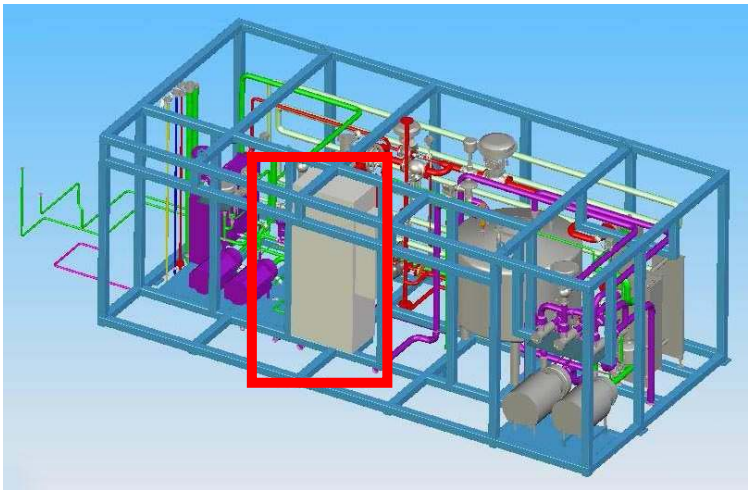
Cause

When one node or more don't communicate with AUS DP network.

Consequences

It's a critical fault, causes a cycle stop.

Location



See in a diagnostic page for found the node with communication broken

Corrective actions

_ Check if the resistance on the profibus connector is in the correct position (OFF=signal passing, ON= line terminal) in according to the electrical drawing;
_ Check the connection and the presence of power supply to the DP node;
_ Check the status led on the unitis;
_ Change a broken device;

FAULT 7017

Text
GENERAL - FILLER Ethernet connection fault

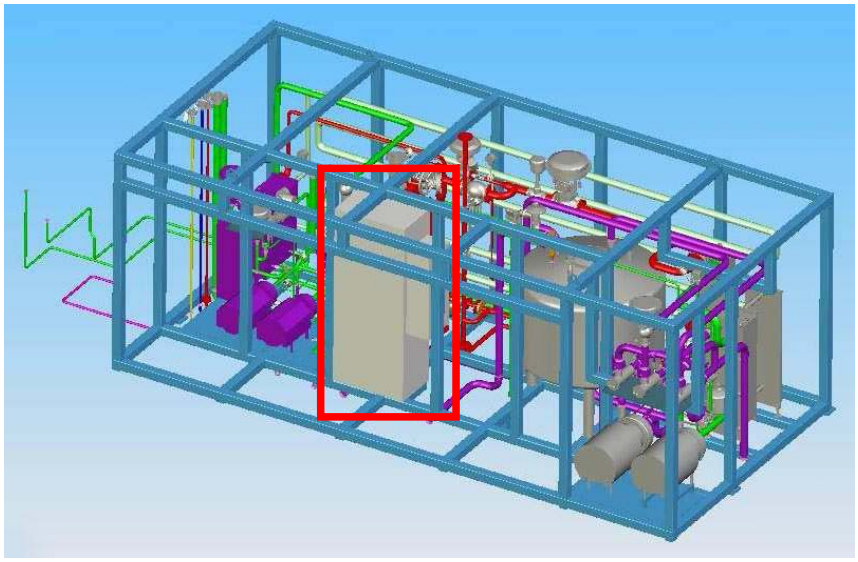
Cause

When AUS PLC lost communication with FILLER PLC

Consequences

It's an Alarm, System alarm action type.

Location



Corrective actions

_ Check that the ethernet connector is insert good;
_ Check the status of the leds on female ethernet connector (blink=connection OK, static= connection broken);

FAULT 7018

Text
GENERAL - UPS battery change required

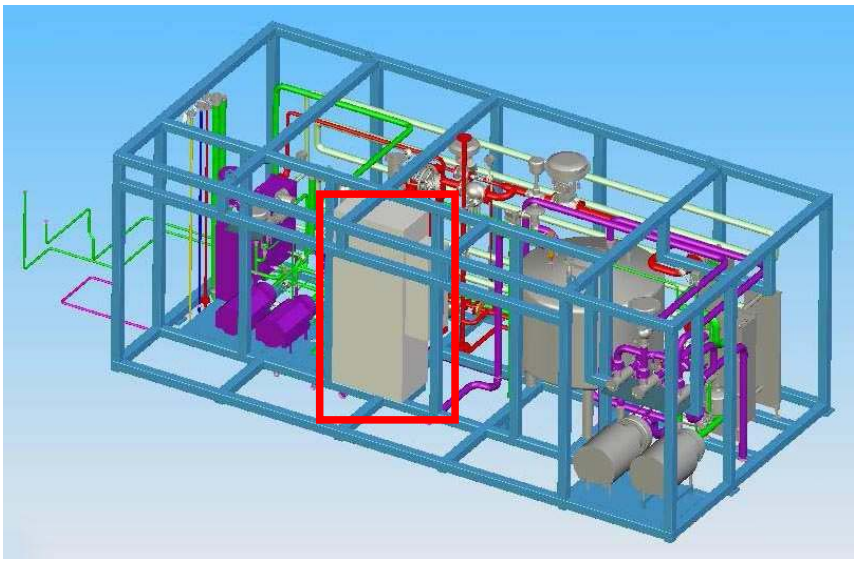
Cause

When the battery Is out of order.

Consequences

It’s an Alarm, maintenance action type.

Location



Corrective actions

_ Replace the battery;

FAULT 7021

Text
ELECTRICAL - Auxiliary circuit protection device

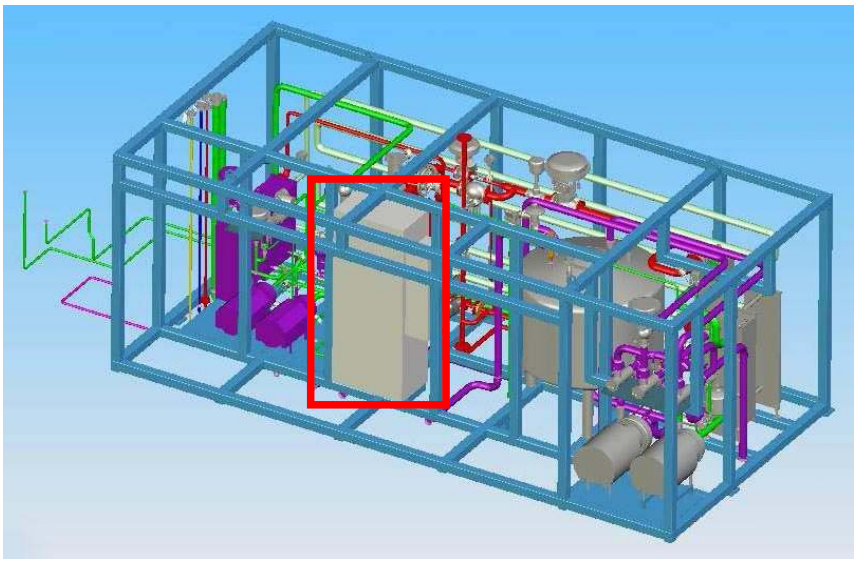
Cause

There is a serial feedback of all 400V thermic in main cabinet. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes stop cycle.

Location



Corrective actions

_ Check if there isn't continuity from each phases to the ground;
_ Check the settings of load current on the thermic switch;

FAULT 7022

Text
ELECTRICAL - UPS alarm

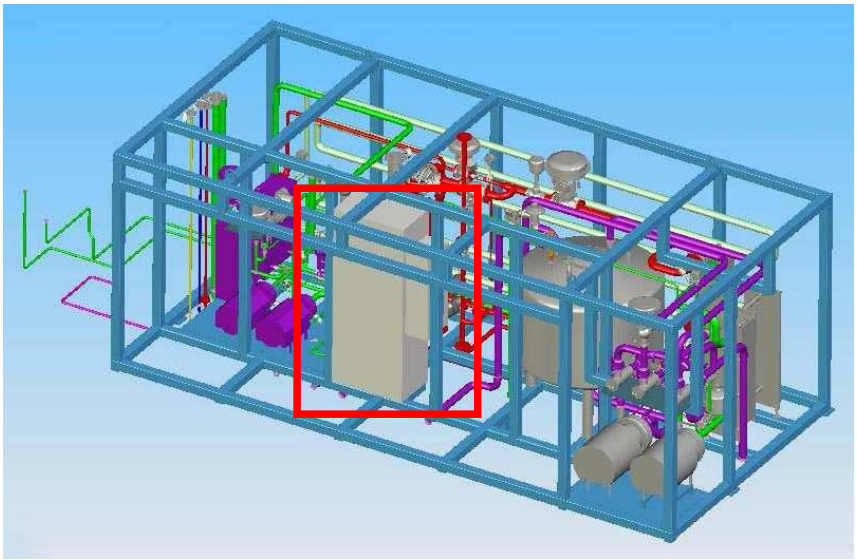
Cause

When one of the components that interact with the UPS is Broken or when there isn't power supply for recharge the batteries.

Consequences

It's a Alarm, system alarm action type.

Location



Corrective actions

_Verify the correct functioning of additional components;
_Check the dip switch, set to according with electrical drawing;

FAULT 7024

Text
ELECTRICAL - Machine running with UPS

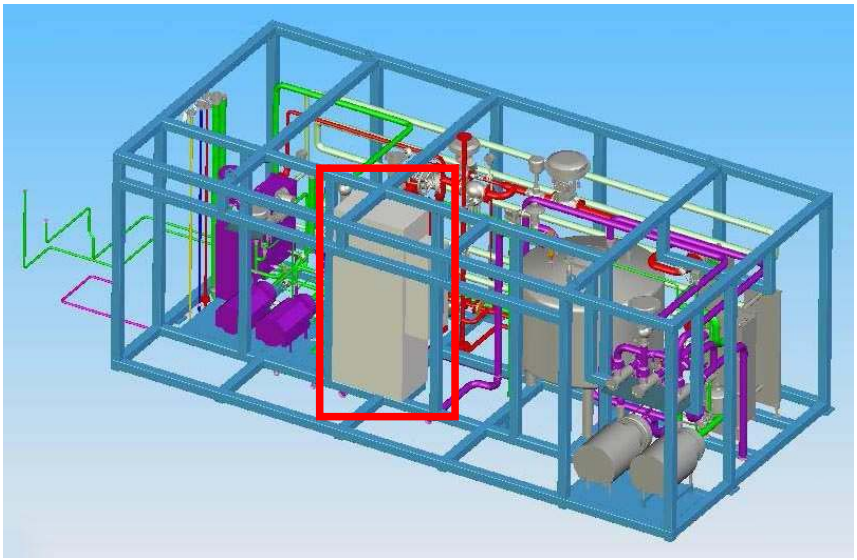
Cause

When there is no power supply (400V) in a AUX main cabinet.

Consequences

It’s an Alarm, System alarm action type.

Location



Corrective actions

_verify the cause of no power supply in main cabinet ;

FAULT 7025

Text
GENERAL - Steam not available

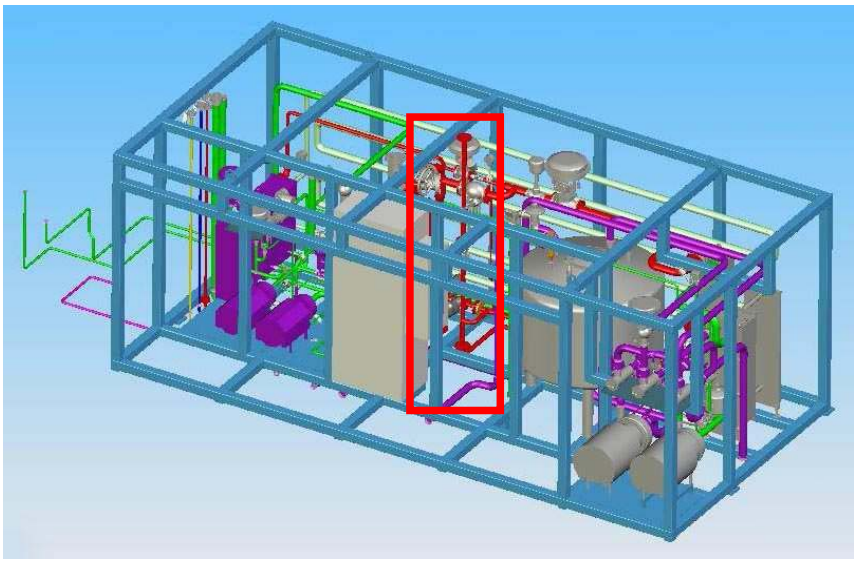
Cause

When the Steam temperature is lower/upper than a reference range, according with p&id.

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of inlet steam manual valve;
_ Check if there is some leakage on steam circuit;

FAULT 7026

Text
GENERAL - Water not available

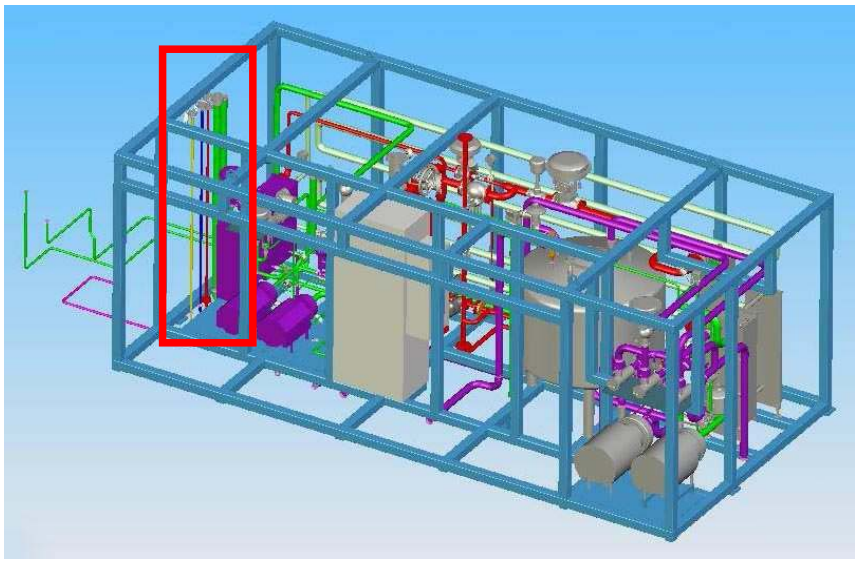
Cause

When there is a low inlet water flowrate.

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of inlet water manual valve;
_ Check if there is some leakage on water circuit;

FAULT 7027

Text
GENERAL - Command air not available

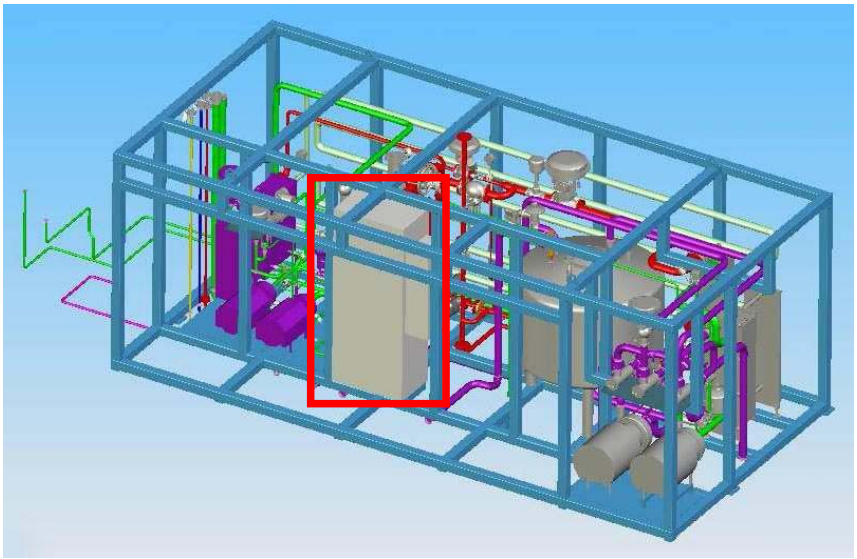
Cause

When air pressure go down for external cause
When there has been a wrong calibration on pressure switch
When the pressure switch is broken

Consequences

It's a critical fault, causes stop cycle.

Location



Corrective actions

_ Check if the air pressure is inside the range in according with p&id drawing;
_ Check the set of pressure switch in according with electrical drawing;
_ Replace the component;

PAA UNIT

Performance through Understanding

Sidel

FAULT 7028

Text
PAA UNIT - FTD104 - Analog Error

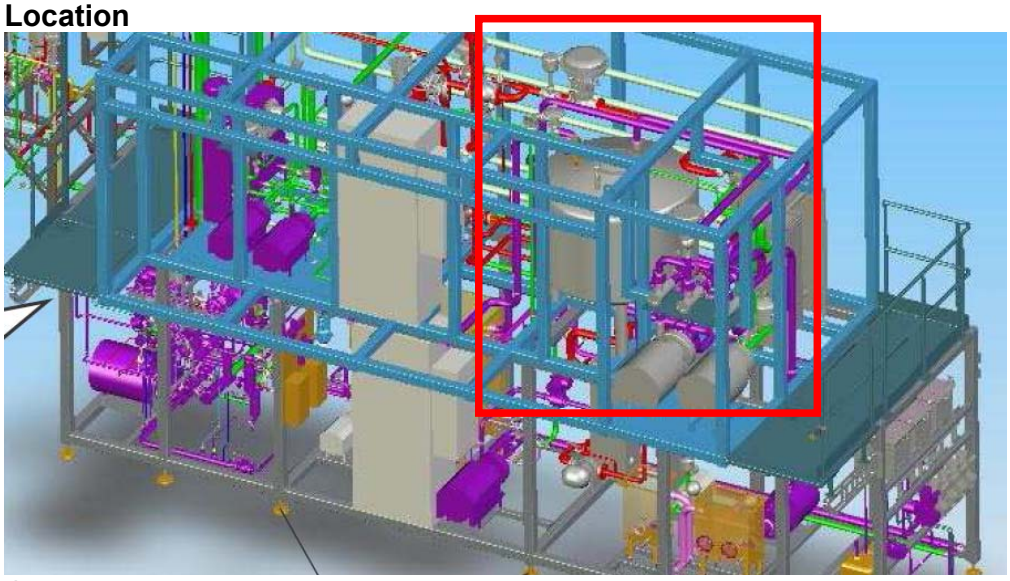
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the setting of flowmeter;
_ Replace the component;

FAULT 7032

Text
PAA UNIT - PPD102 - Thermic fault

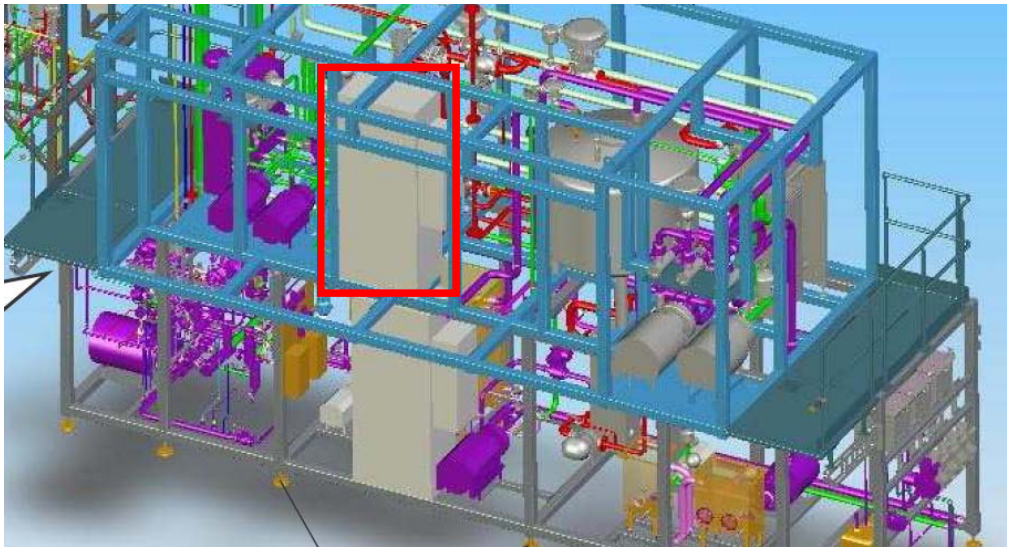
Cause

There is a feedback of PPD102 thermic in AUS main cabinet. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes a PAA stop cycle.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 7033

Text
PAA UNIT - PPD102 - Feedback fault

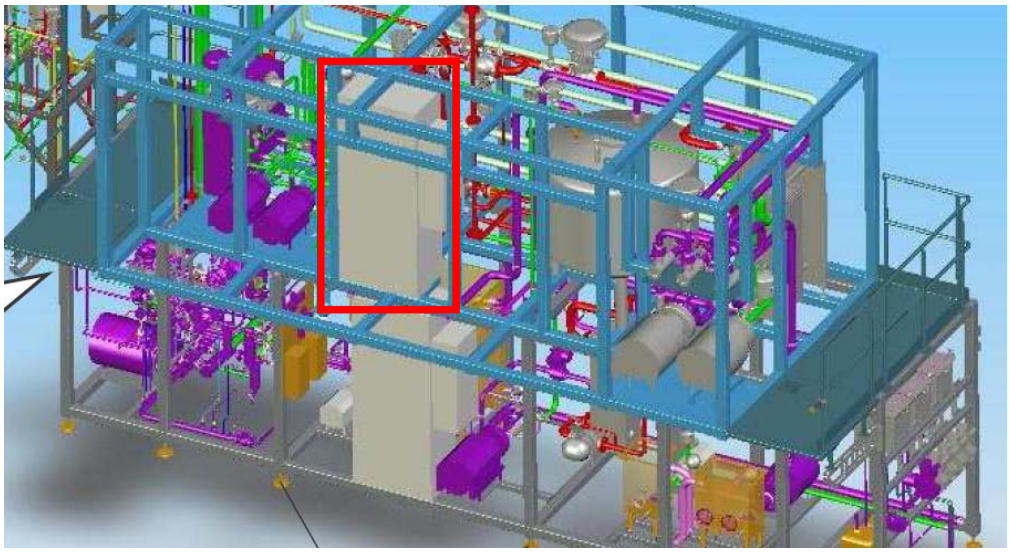
Cause

When don’t arrive the feedback of the contactor when this is excited.

Consequences

It’s a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_Check the mechanical functioning of contactor;
_Check the functioning of the component connected;

FAULT 7034

Text
PAA UNIT - PPD105 - Thermic fault

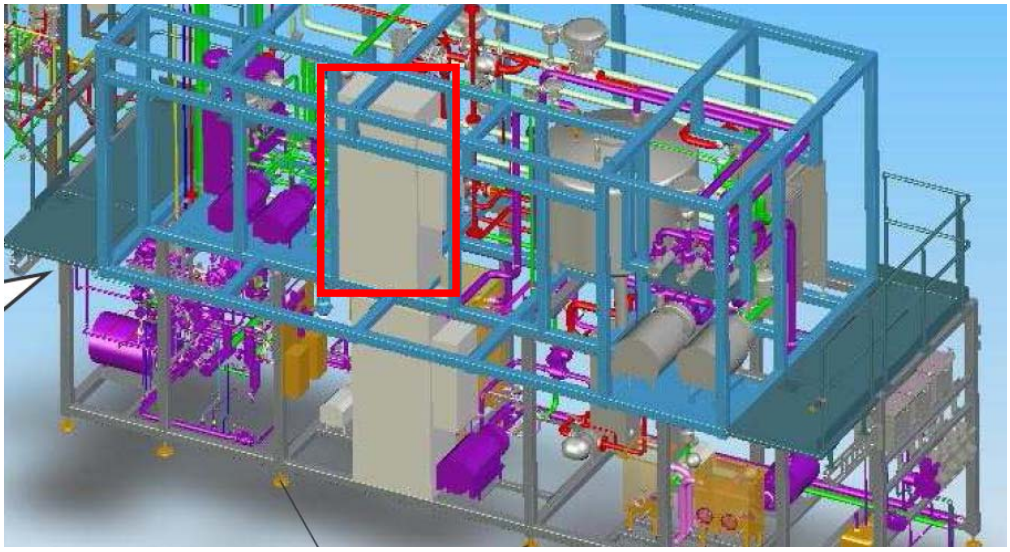
Cause

There is a feedback of PPD105 thermic in AUS main cabinet. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes a PAA stop cycle.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 7035

Text
PAA UNIT - PPD105 - Feedback fault

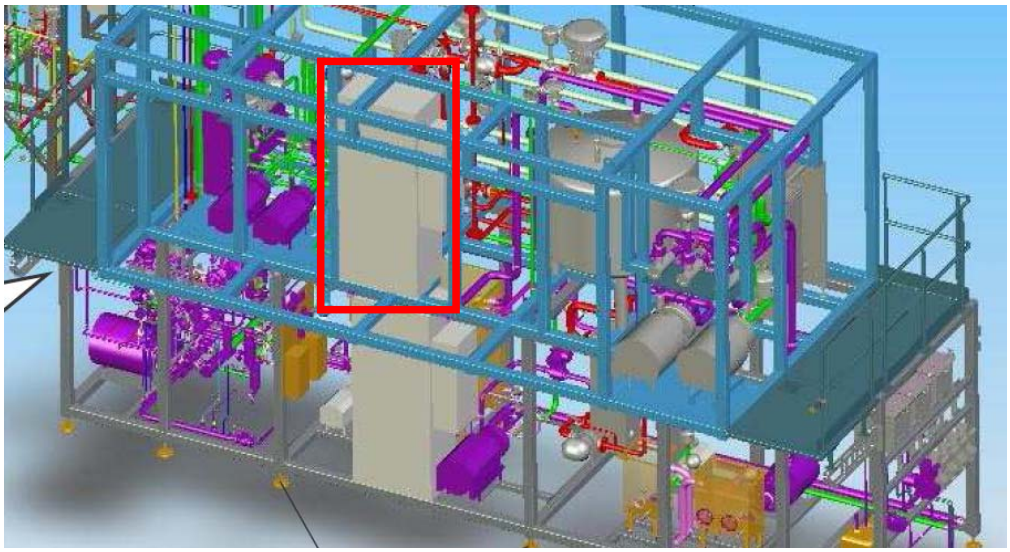
Cause

When don’t arrive the feedback of the contactor when this is excited.

Consequences

It’s a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_Check the mechanical functioning of contactor;
_Check the functioning of the component connected;

FAULT 7036

Text
PAA UNIT - PPD101 - Thermic fault

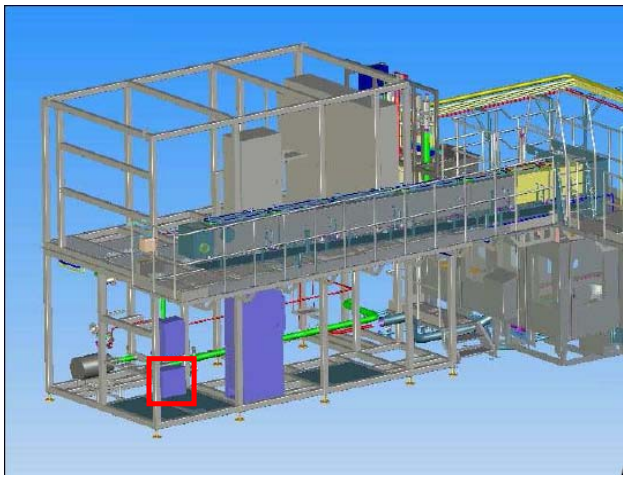
Cause

The thermic goes in trip when there is a mistake on common terminal (positive signal is invert with negative signal) or when current load is greater then that declared on the component .

Consequences

It's an Alarm, causes PAA preparation cycle Stop.

Location



Corrective actions

_ Check if the load current is on range with current declared on the component;
_ Check the line or the equipments connected below the component.

FAULT 7037

Text
PAA UNIT - PPD103 - Thermic fault

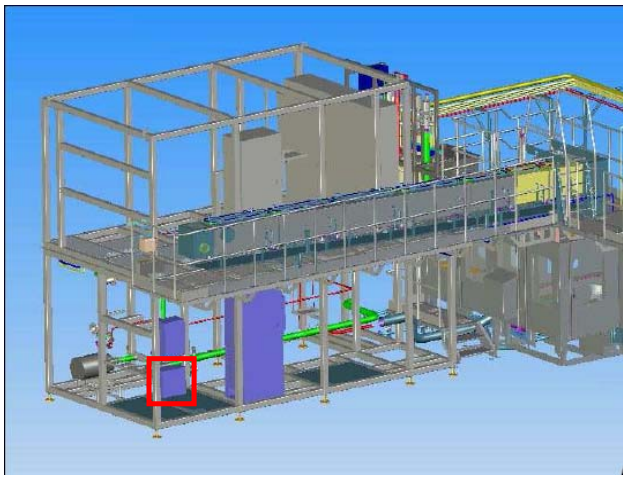
Cause

The thermic goes in trip when there is a mistake on common terminal (positive signal is invert with negative signal) or when current load is greater then that declared on the component .

Consequences

It's an Alarm, causes PAA preparation cycle Stop.

Location



Corrective actions

_ Check if the load current is on range with current declared on the component;
_ Check the line or the equipments connected below the component.

FAULT 7039

Text
PAA UNIT - PPD101 - Pulse feedback fault

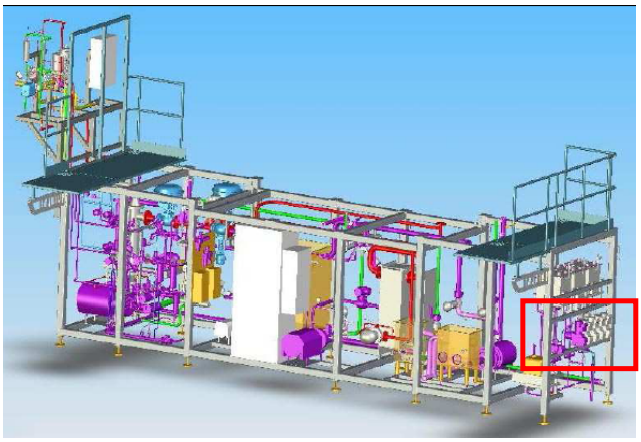
Cause

When the dosing pump is in run, on the PLC card doesn't arrive the feedback pulse for a established time.

Consequences

It's an Alarm, causes PAA preparation cycle Stop.

Location



Corrective actions

_ Verify the status on the pump;
_ Check the parameterization of the pump;
_ Check status of the piping line after the pump;

FAULT 7040

Text
PAA UNIT - PPD103 - Pulse feedback fault

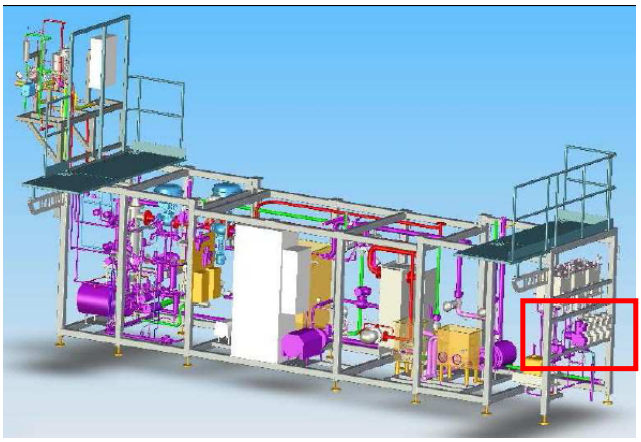
Cause

When the dosing pump is in run, on the PLC card doesn't arrive the feedback pulse for a established time.

Consequences

It's an Alarm, causes PAA preparation cycle Stop.

Location



Corrective actions

_ Verify the status on the pump;
_ Check the parameterization of the pump;
_ Check status of the piping line after the pump;

FAULT 7042

Text
PAA UNIT - FTD103 - Analog Error

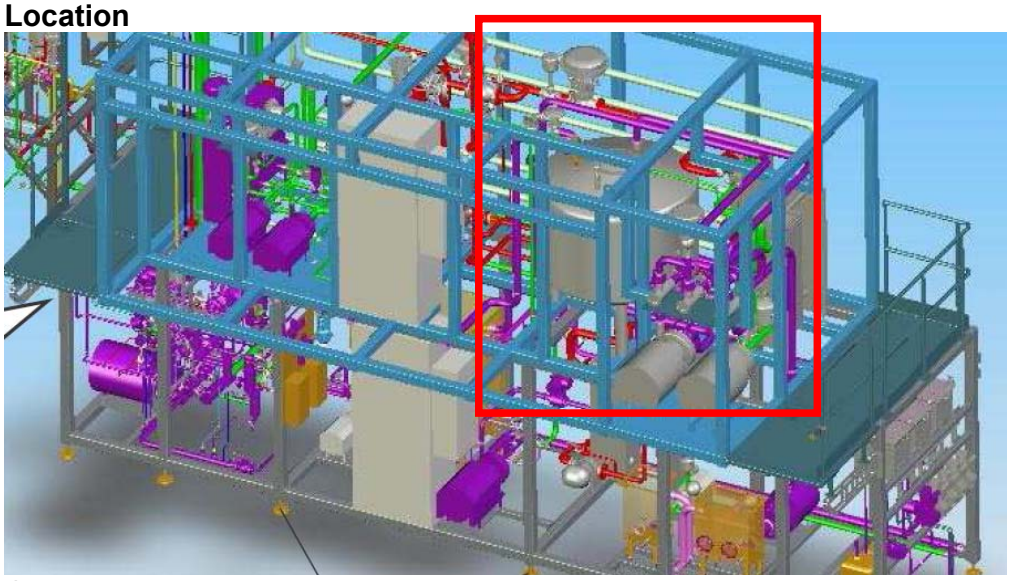
Cause

When the analog signal readed from the plc card is out of range (0-27648).

Consequences

It's an Alarm, causes a PAA preparation cycle stop.

Location



Corrective actions

_ Check the setting of flowmeter;
_ Replace the component;

FAULT 7044

Text
PAA UNIT - FTD101 - Low flowrate

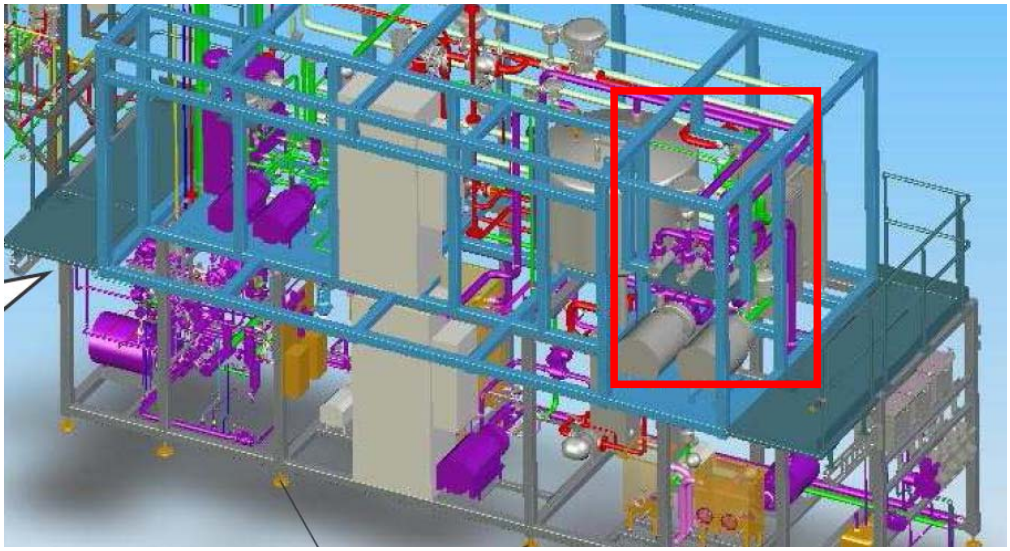
Cause

When the flowmeter (FTD101) read a flow that smaller than the minimum flow rate set-point on PAA sending loop.

Consequences

It's a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_ Check if it has some filter clogged;
_ Check the setting of flowmeter;
_Try to regulate the flow acting on manual valve HVD144;

FAULT 7045

Text
PAA UNIT - FTD101 - High flowrate

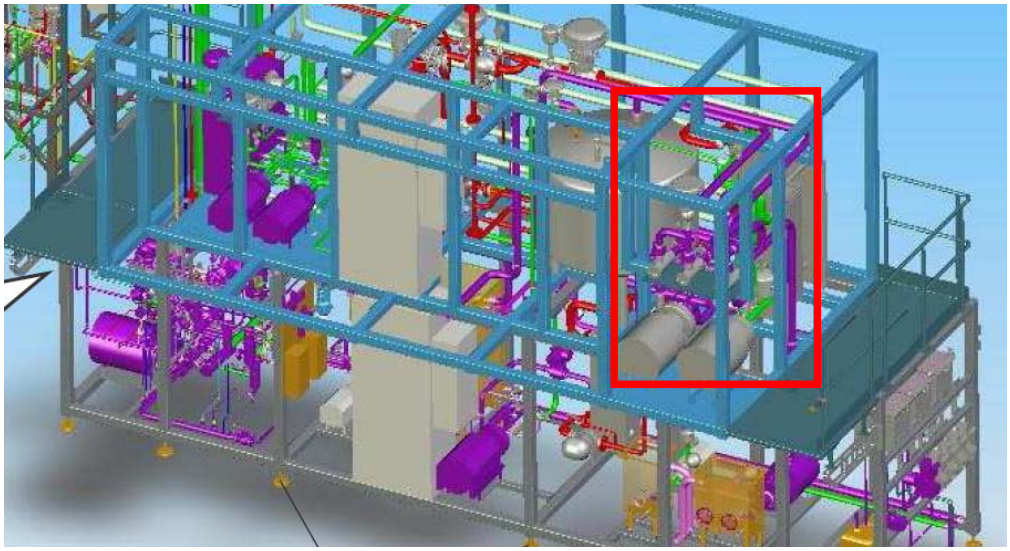
Cause

When the flowmeter (FTD101) read a flow that grater than the maximun flow rate set-point on PAA sending loop.

Consequences

It's a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_Try to regulate the flow acting on manual valve HVD144;
_ Check the setting of flowmeter;

FAULT 7046

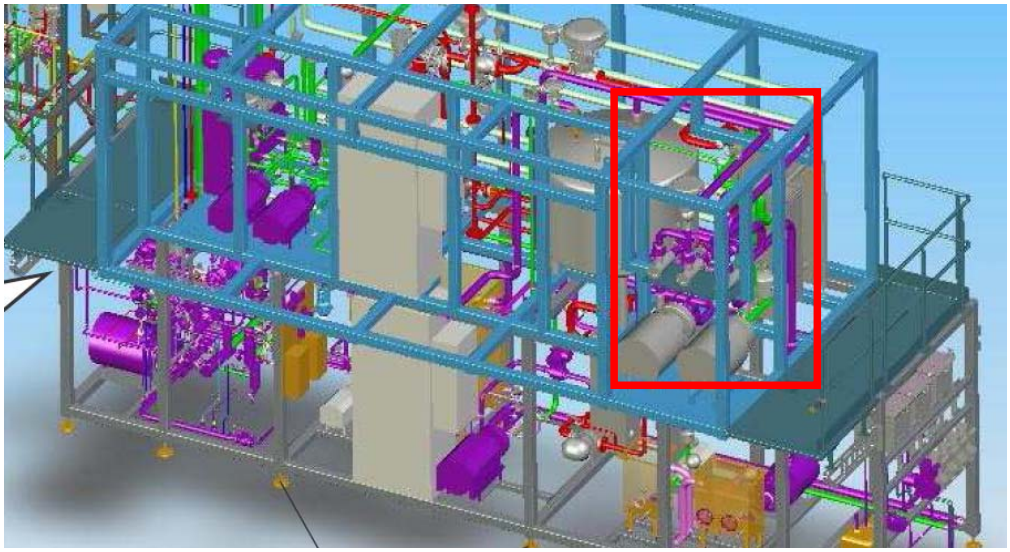
Text
PAA UNIT - FTD101 - Error

Cause

When the analog signal readed from the plc card is out of range (0-27648).
Consequences

It's a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_ Check the setting of flowmeter;
_ Replace the component;

FAULT 7047

Text
PAA UNIT - FTD103 - low flowrate

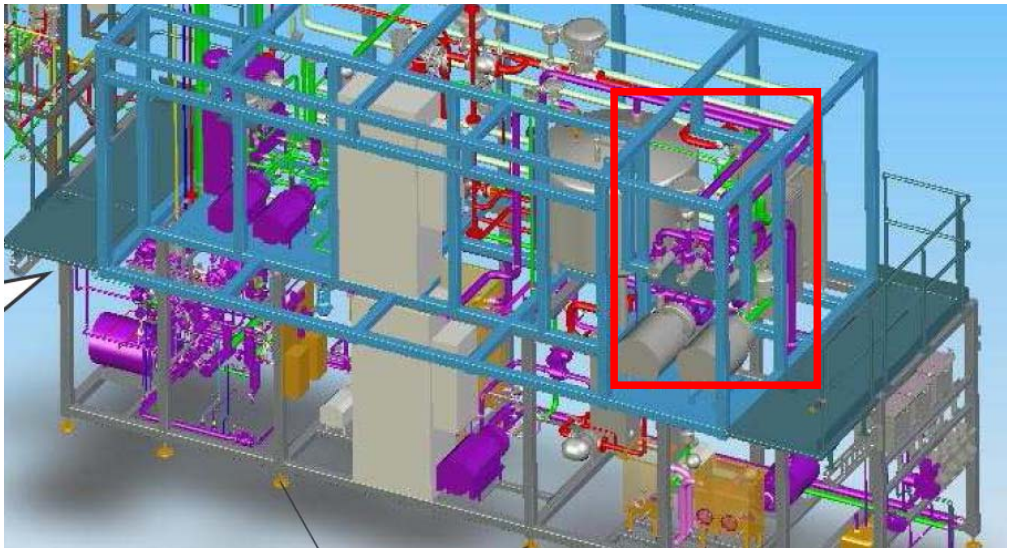
Cause

When the value read from the flowmeter is less than 0,5 m3/h.

Consequences

It's a critical fault, causes a PAA preparation cycle stop.

Location



Corrective actions

_ Check the setting of flowmeter;
_ Replace the component;

FAULT 7048

Text
PAA UNIT - FTD103 - High flowrate

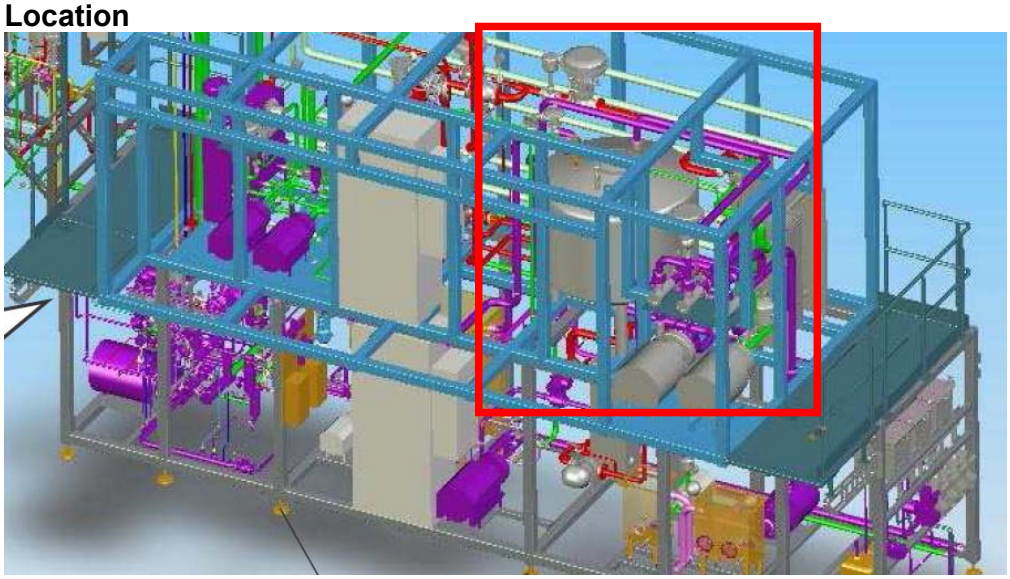
Cause

When the value read from the flowmeter is higher than 150 m3/h.

Consequences

It's a critical fault, causes PAA preparation cycle stop.

Location



Corrective actions

_ Check the setting of flowmeter;
_ Replace the component;

FAULT 7052

Text
PAA UNIT - TTD101 - Low temperature in SOP

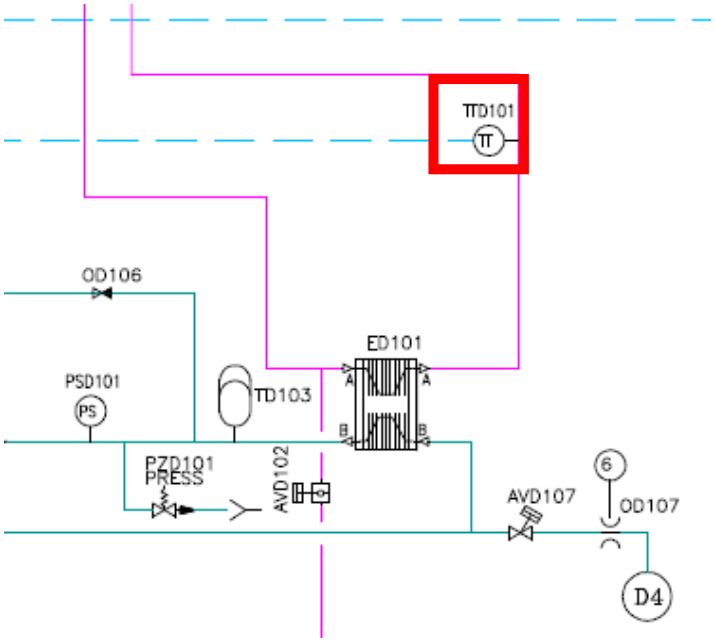
Cause

When the machine are in SOP cycle, the temperature read from TTD101 is lower than the minimum outlet temperature set-point.

Consequences

It's an Alarm, PAA sending freeze action type.

Location



Corrective actions

_ Check the status of steam circuit (Modulating valve, steam supply, heat exchanger);
_ Check the setting of PAA modulating valve heating PID;

FAULT 7053

Text
PAA UNIT - TTD101 - Warning for low temperature

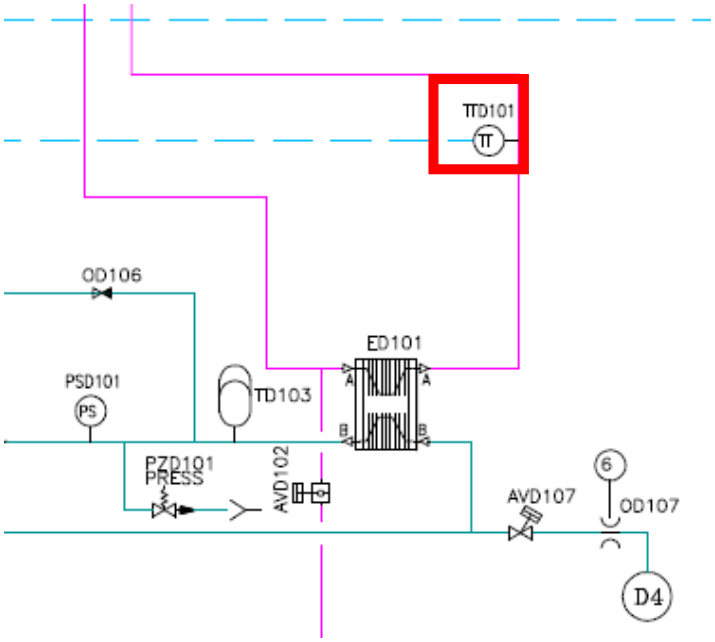
Cause

When the machine are in SOP cycle, the temperature read from TTD101 is lower than the warning outlet temperature set-point.

Consequences

It's an Alarm, PAA sending freeze action type.

Location



Corrective actions

_ Check the status of steam circuit (Modulating valve, steam supply, heat exchanger);
_ Check the setting of PAA modulating valve heating PID;

FAULT 7055

Text
PAA UNIT - TTD101 - Low temperature

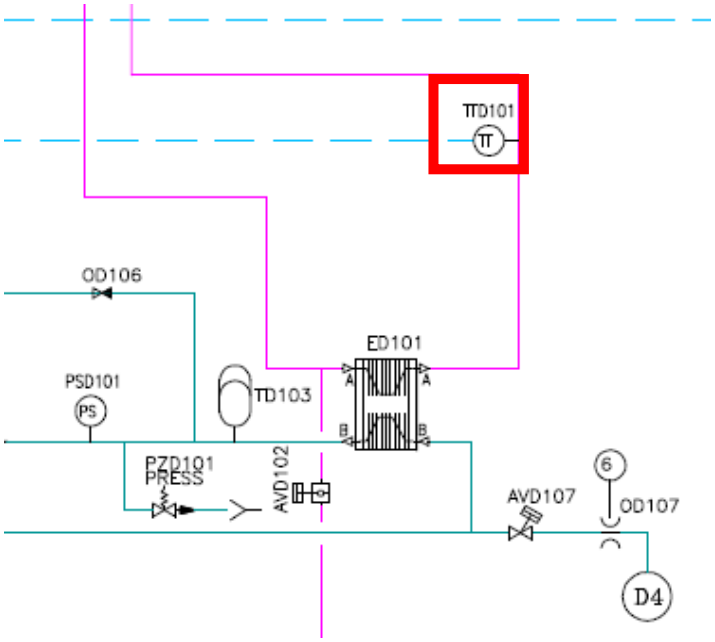
Cause

When the temperature read from TTD101 is lower than the minimum outlet temperature set-point.

Consequences

It's an Alarm, PAA stop sending action type.

Location



Corrective actions

_ Check the status of steam circuit (Modulating valve, steam supply, heat exchanger);
_ Check the setting of PAA modulating valve heating PID;

FAULT 7056

Text
PAA UNIT - TTD101 - High temperature

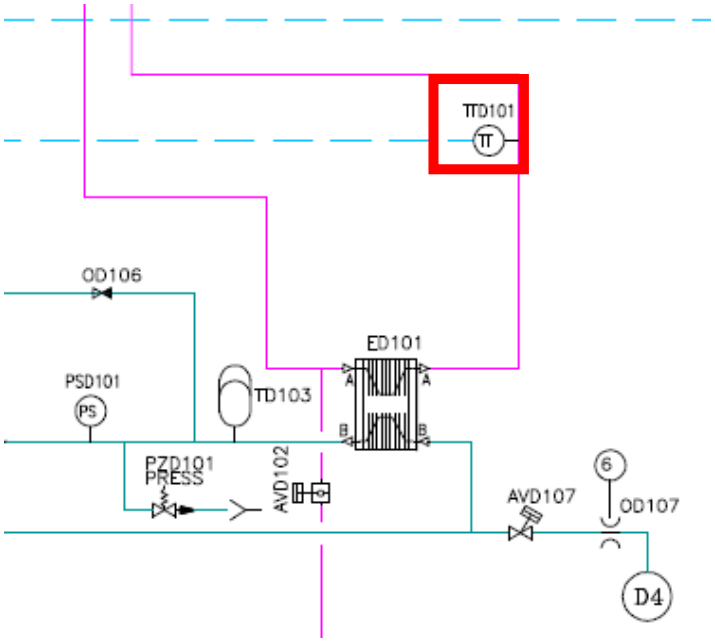
Cause

When the temperature read from TTD101 is higher than the maximum outlet temperature set-point.

Consequences

It's an Alarm, PAA stop sending action type.

Location



Corrective actions

_ Check the status of cooling water circuit;

FAULT 7057

Text
PAA UNIT - TTD101 - Analog error

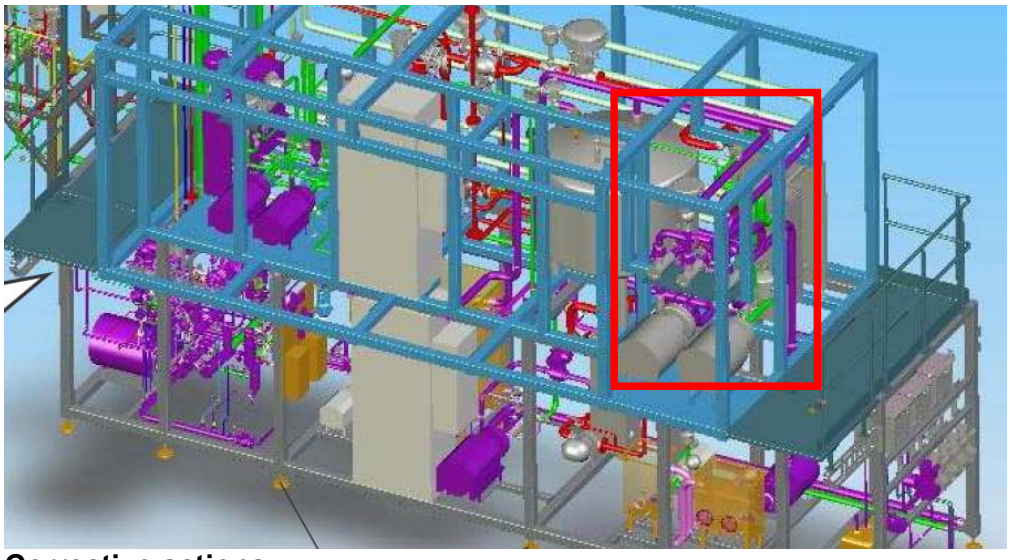
Cause

When the analog signal readed from the plc card is out of range (0-27648).

Consequences

It's a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_ Replace the component;

FAULT 7061

Text
PAA UNIT - TTD103 - High temperature

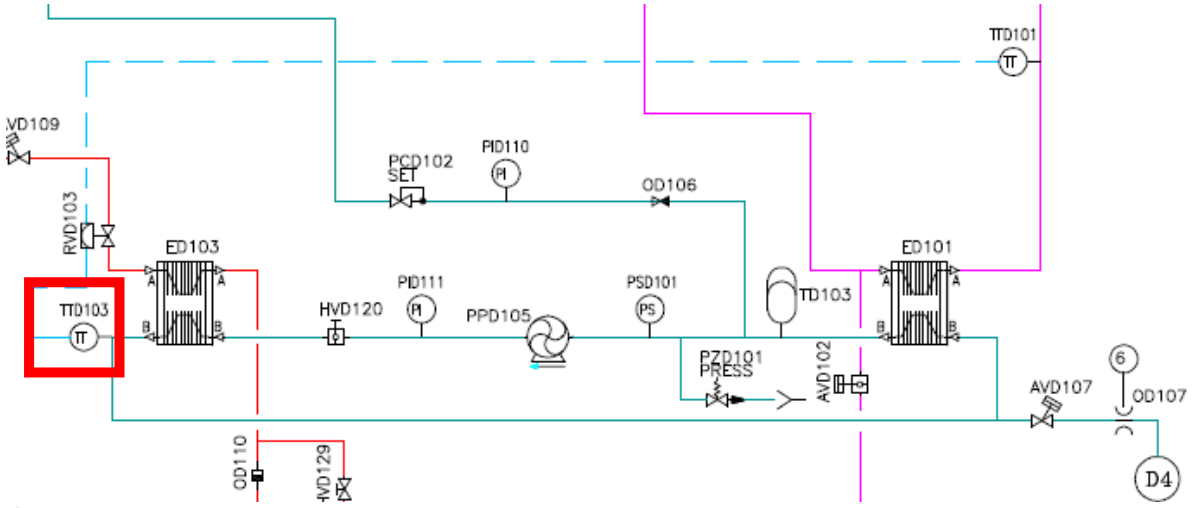
Cause

When the temperature read from TTD103 is higher than the maximum temperature set-point.

Consequences

It's an Alarm, PAA stop sending action type.

Location



Corrective actions

_ Check the status of cooling water circuit;
_ Check the status of steam circuit (Modulating valve, steam supply, heat exchanger);
_ Check the setting of sterile water modulating valve heating PID;

FAULT 7062

Text
PAA UNIT - TTD103 - Analog error

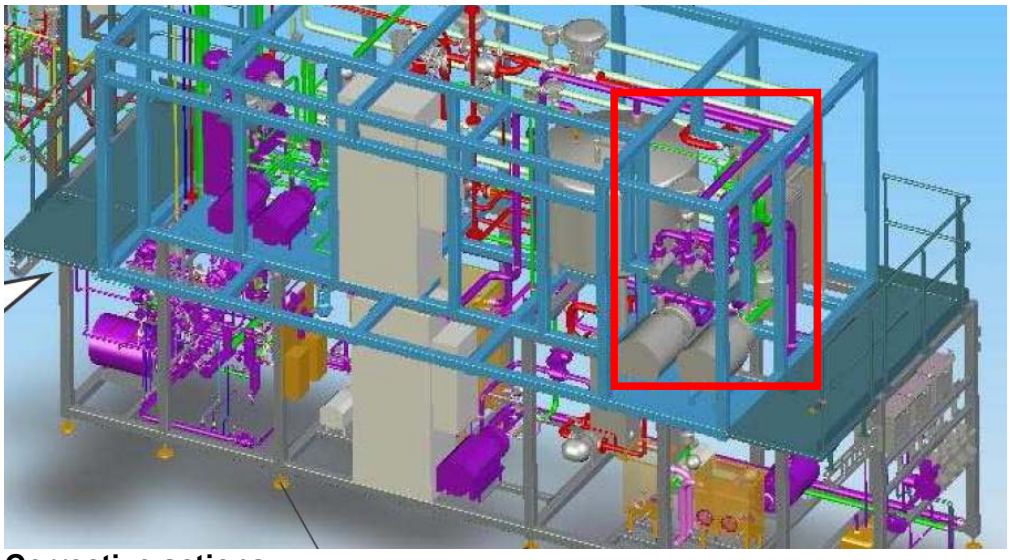
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_ Replace the component;

FAULT 7065

Text
PAA UNIT - TTD104 - Analog error

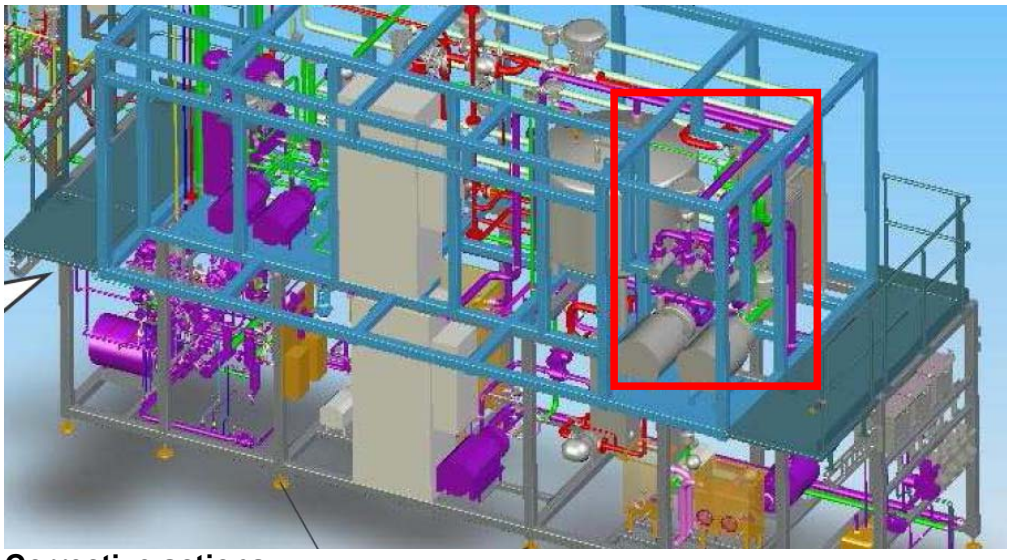
Cause

When the analog signal readed from the plc card is out of range (0-27648).

Consequences

It's a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_ Replace the component;

FAULT 7067

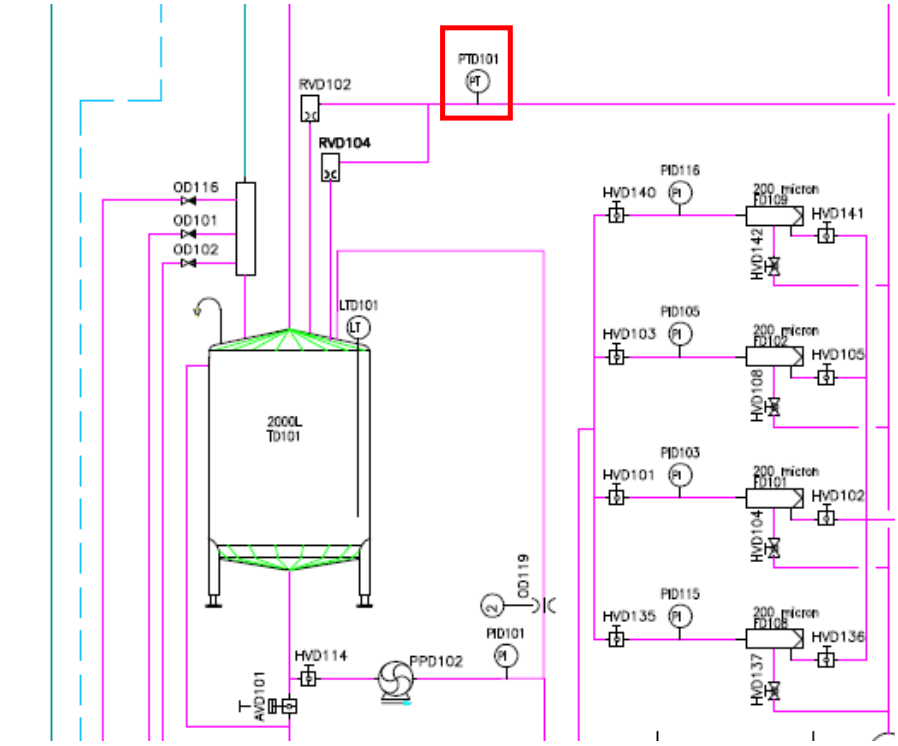
Text
PAA UNIT - PTD101 - Pressure too low

Cause
When the PAA sending phase is done, the pressure transducer read a value of pressure lower than minimum pressure on PAA loop.

Consequences

It's an Alarm, causes a PAA sending Stop.

Location



Corrective actions
_Check the status of the component;
_Check if there aren't some filters clogged;
_Check the pressure of backpressure valve;

FAULT 7069

Text
PAA UNIT - PTD101 - Analog error

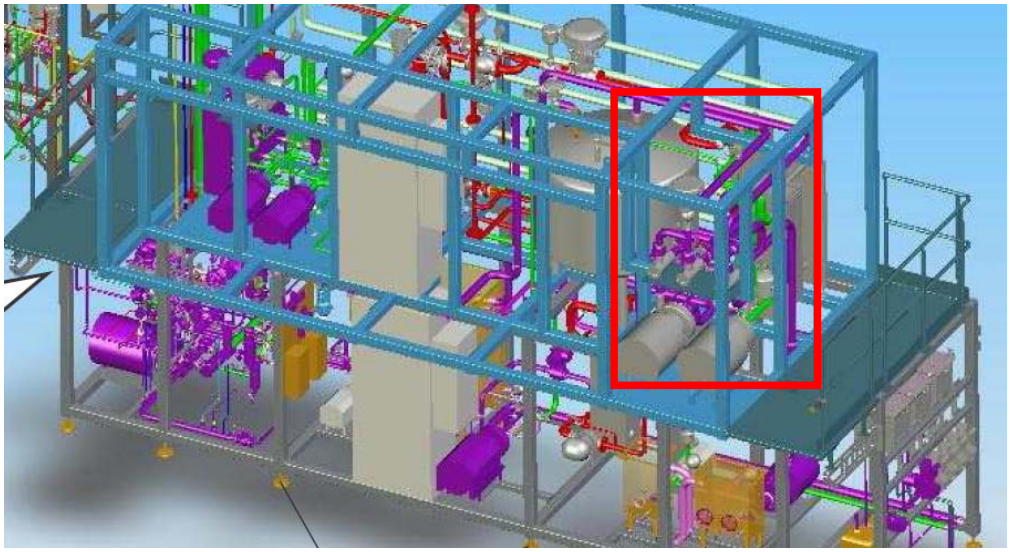
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_ Check the setting of pressure transducer;
_ Replace the component;

FAULT 7070

Text
PAA UNIT - QTD101 - H2O2 concentration too high

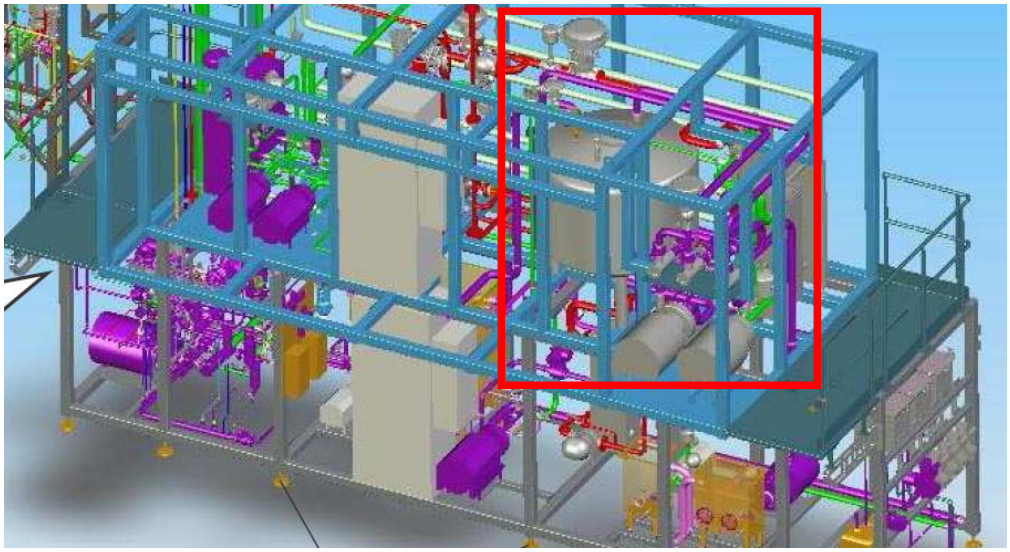
Cause

When the H2O2 concentration value inserted by the operator is grater than the H2O2 concentration value set-point.

Consequences

It's a critical fault, causes a PAA cycle stop.

Location



Corrective actions

FAULT 7073

Text
PAA UNIT - QTD101 - Alarm PAA concentration too low

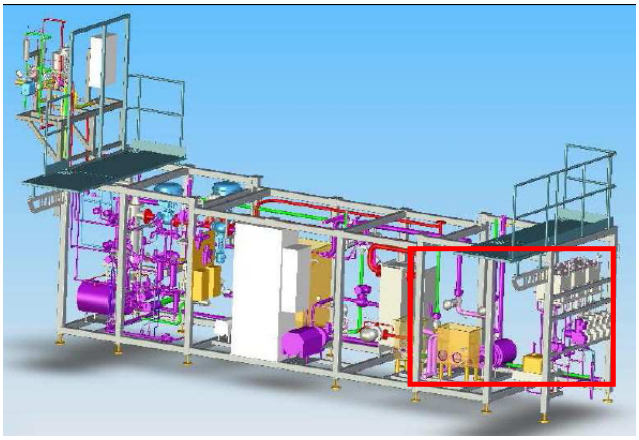
Cause

When the concentration read from the applikon is lower than the minimum PAA concentration set point.

Consequences

It's an Alarm, causes a PAA sending freeze.

Location



Corrective actions

_ Check the status of PAA circuit after dosing pump;

FAULT 7074

Text
PAA UNIT - QTD101 - Alarm PAA concentration too high

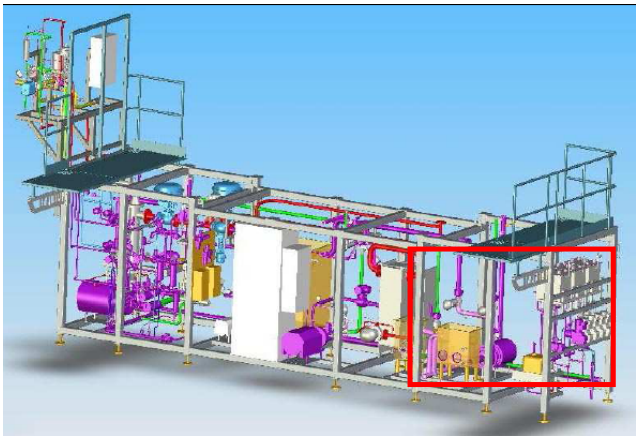
Cause

When the concentration read from the Applikon is lower than the maximum PAA concentration set point.

Consequences

It's an Alarm, causes a PAA sending freeze.

Location



Corrective actions

_ Check the status of PAA circuit after dosing pump;

FAULT 7075

Text
PAA UNIT - QTD101 - Analog error

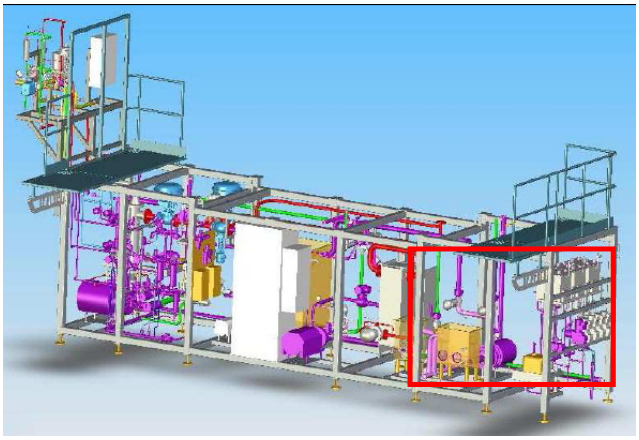
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, causes a PAA control stop cycle.

Location



Corrective actions

_ Check the Applikon display;
_ Check the status of the Applikon;

FAULT 7076

Text
PAA UNIT - LTD101 - Warning PAA solution level too low

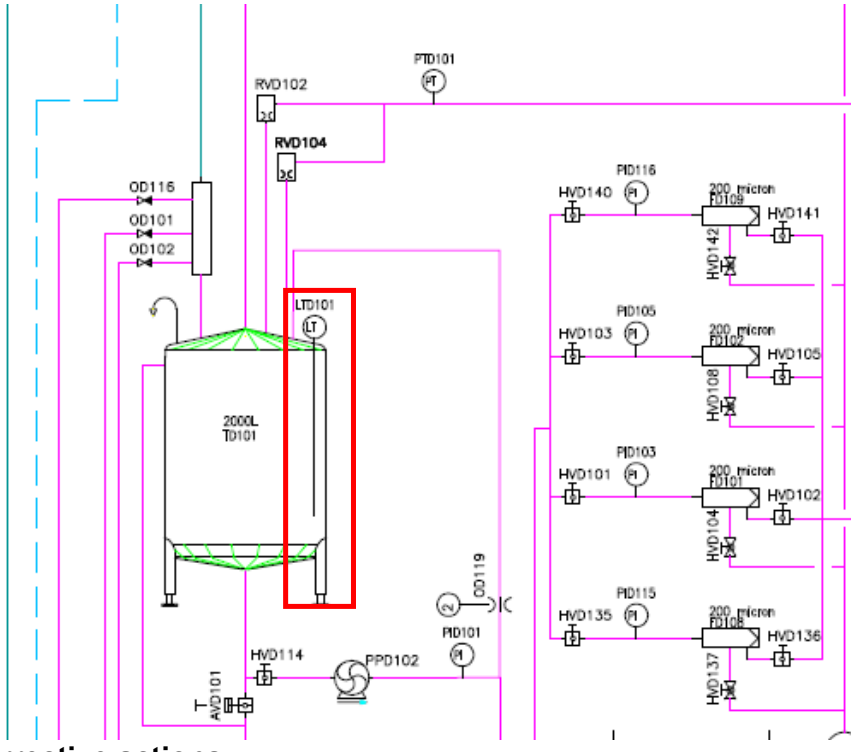
Cause

When the PPA unit is in production cycle, the level of PAA preparation tank is less than 13%.

Consequences

It's an Alarm, causes a PAA sending freeze.

Location



Corrective actions

_Check the status of the component;
_Check the calibration of the device;
_Check if the filter of recovery PAA isn't clogged;
_Check the status of recovery unit;

FAULT 7077

Text
PAA UNIT - LTD101 - Warning PAA solution level too high

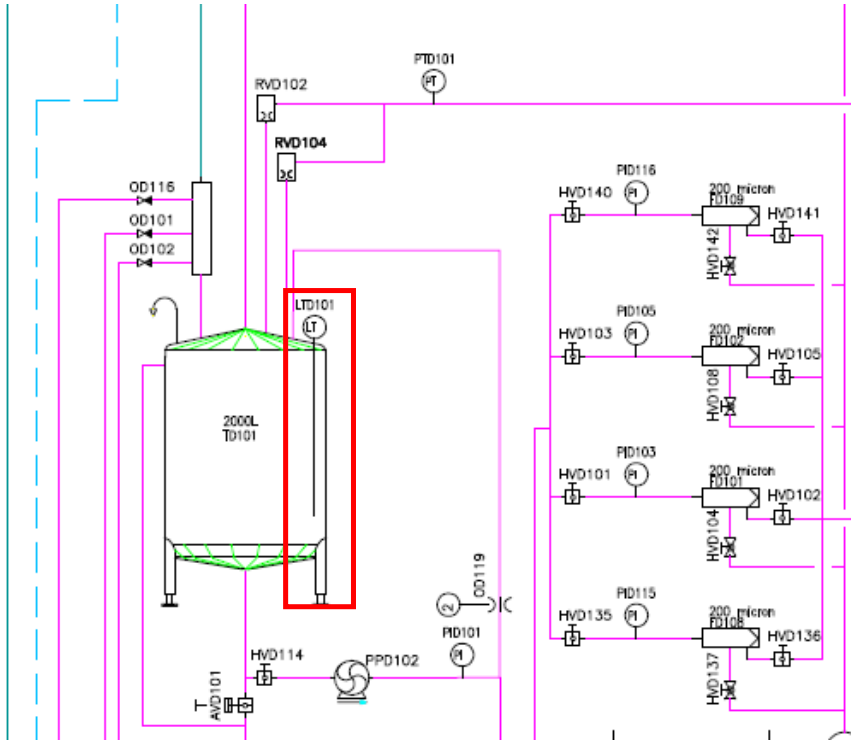
Cause

When the PPA unit is in production cycle, the level of PAA preparation tank is higher than 95%.

Consequences

It's an Alarm, causes a PAA sending freeze.

Location



Corrective actions

_Check the status of the component;
_Check the calibration of the device;
_Check the status of recovery unit;

FAULT 7078

Text
PAA UNIT - LTD101 - Not correct level during drain cycle

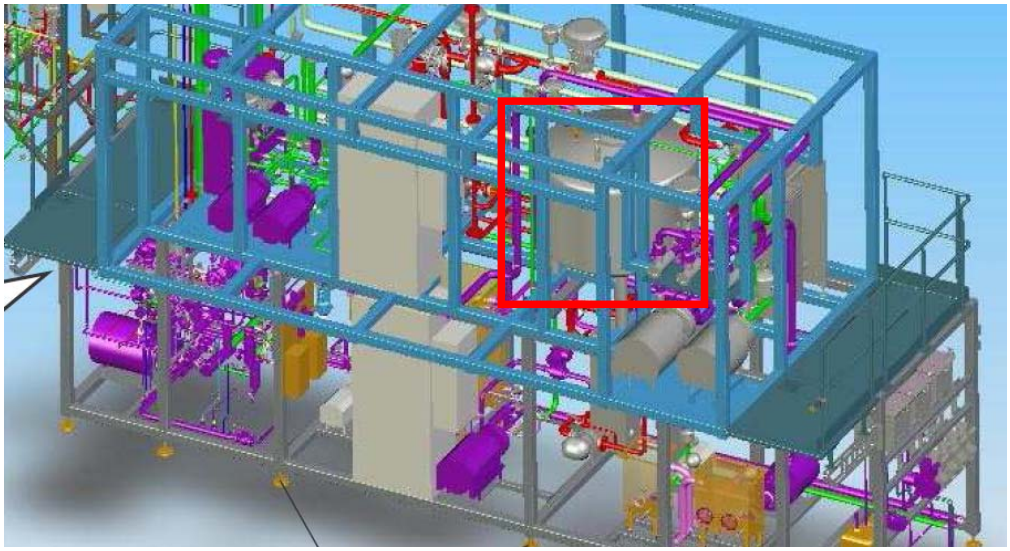
Cause

When during PAA drain tank cycle, the level of the tank don’t reaches a value less than 1% in a estimated time.

Consequences

It’s a critical fault, causes a PAA draining cycle stop.

Location



Corrective actions

_ Check if there aren't the drainages clogged;
_ Remake the “0” point of level transducer;

FAULT 7079

Text
PAA UNIT - LTD101 - Analog input anomaly

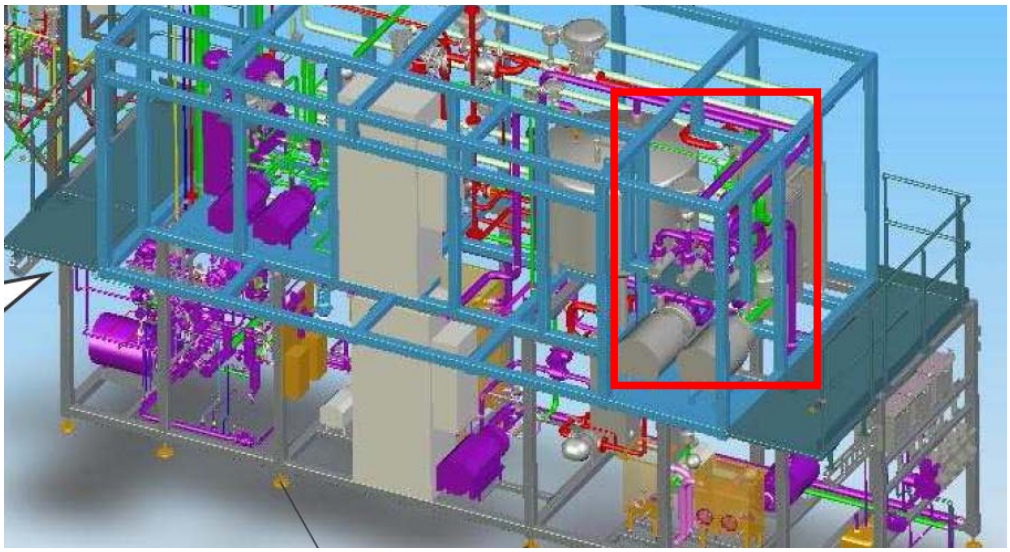
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_ Replace the component;

FAULT 7081

Text
PAA UNIT - Dosing system in error for long time

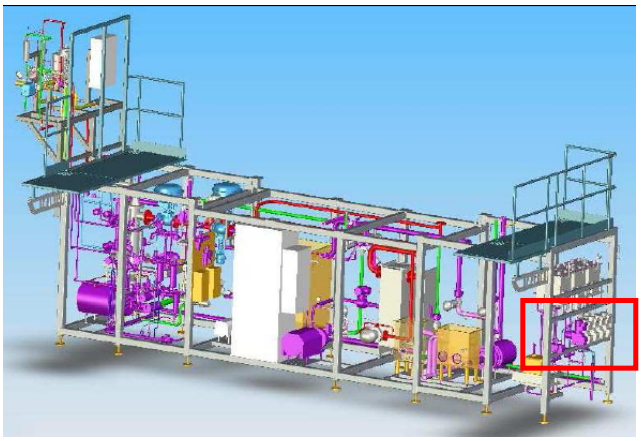
Cause

When the dosing pump system remains in error for a long time.

Consequences

It's an Alarm, causes PAA sending freeze cycle.

Location



Corrective actions

_ Verify the status on the pump;
_ Check status of pump display;

FAULT 7082

Text
PAA UNIT - PPD101 - Check pump display

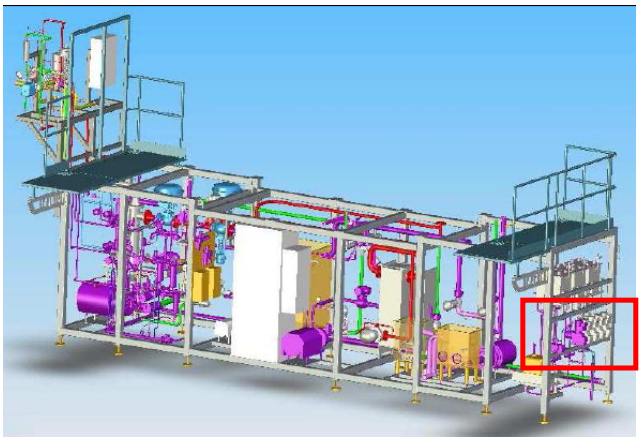
Cause

When the dosing pump goes in alarm due a error on the counter of oval gear meter pulses.

Consequences

It's an Alarm, causes PAA preparation cycle stop.

Location



Corrective actions

_ Check if the oval gear meter isn't clogged;
_ Verify the status on the pump;
_ Check the parameterization of the pump;
_ Check status of the piping line after the pump;

FAULT 7083

Text
PAA UNIT - PPD103 - Check pump display

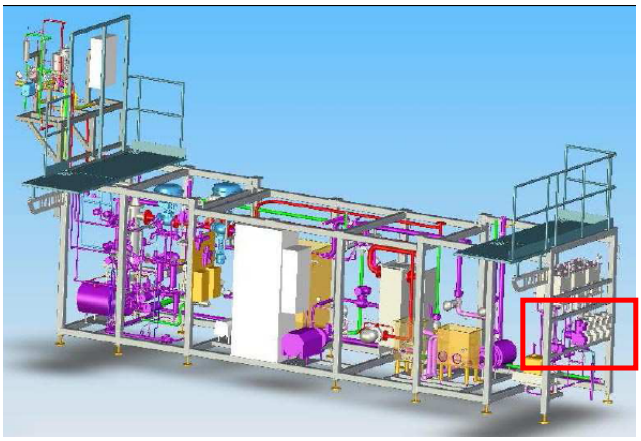
Cause

When the dosing pump goes in alarm due a error on the counter of oval gear meter pulses.

Consequences

It's an Alarm, causes PAA preparation cycle stop.

Location



Corrective actions

_ Check if the oval gear meter isn't clogged;
_ Verify the status on the pump;
_ Check the parameterization of the pump;
_ Check status of the piping line after the pump;

FAULT 7084

Text
PAA UNIT - PSD101 - Pressure too low

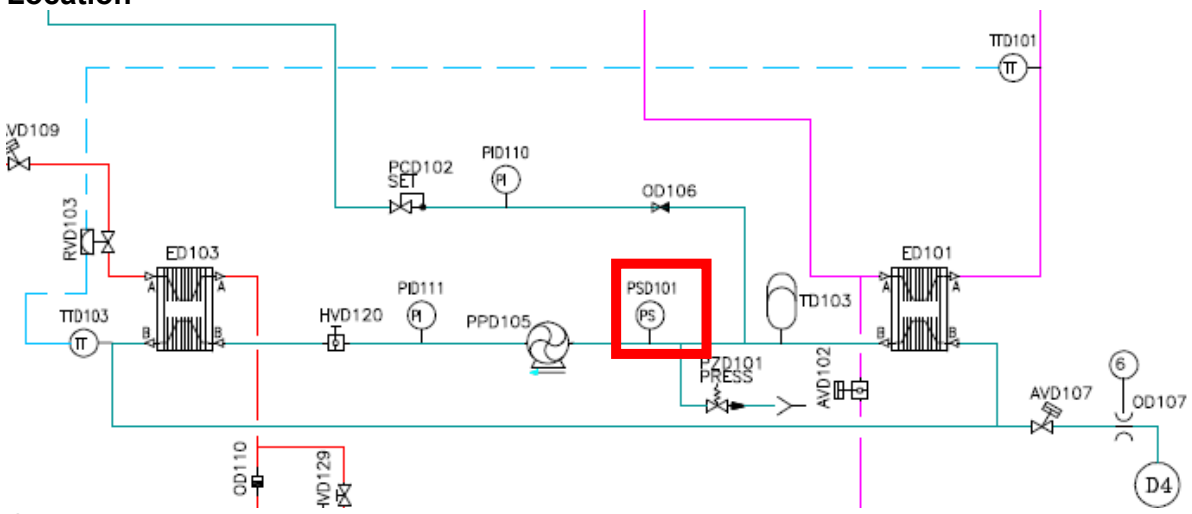
Cause

When the PPD105 pump is in run and the pressure switch don't read the correct pressure according with p&id.

Consequences

It's an Alarm, PAA stop sending action type.

Location



Corrective actions

_ Check the status of cooling water circuit;

FAULT 7086

Text
PAA UNIT - PPD101 - Check pump display

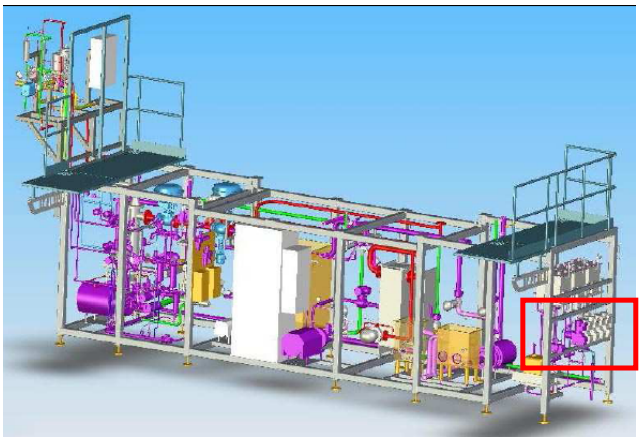
Cause

When the dosing pump goes in alarm due a error on the counter of oval gear meter pulses.

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check if the oval gear meter isn't clogged;
_ Verify the status on the pump;
_ Check the parameterization of the pump;
_ Check status of the piping line after the pump;

FAULT 7087

Text
PAA UNIT - PPD103 - Check pump display

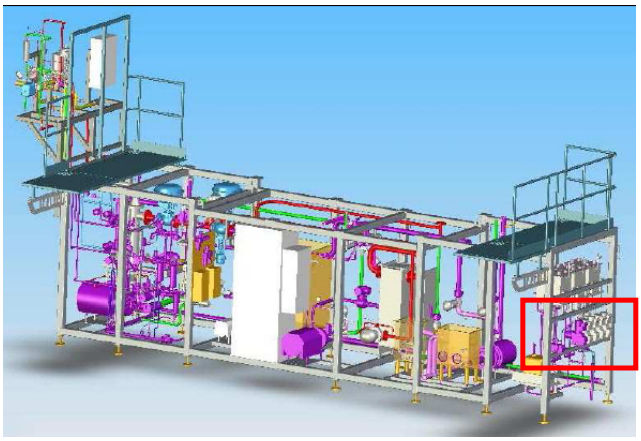
Cause

When the dosing pump goes in alarm due a error on the counter of oval gear meter pulses.

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check if the oval gear meter isn't clogged;
_ Verify the status on the pump;
_ Check the parameterization of the pump;
_ Check status of the piping line after the pump;

FAULT 7088

Text
PAA UNIT - PPD101 - PAA not available

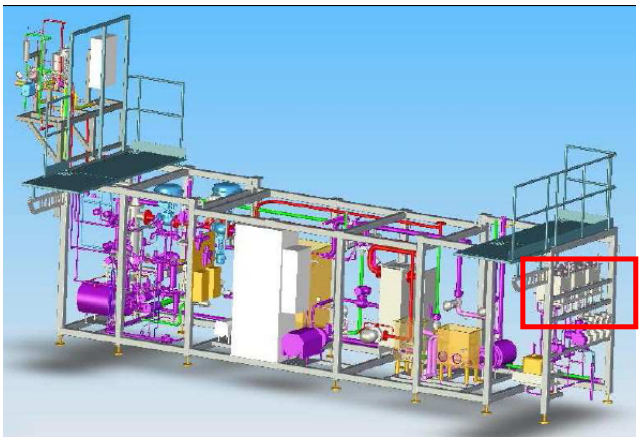
Cause

When the PAA raw tank is empty (signal from Filler to AUS)

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of PAA raw tank;

FAULT 7089

Text
PAA UNIT - PPD103 - Wet agent not available

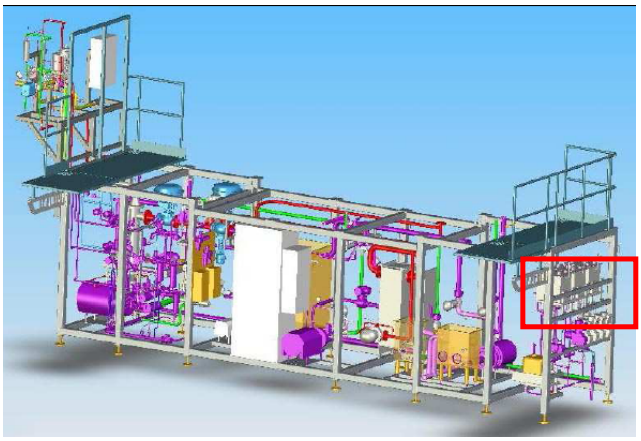
Cause

When the wet agent raw tank is empty (signal from filler to aus)

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check the status of wet agent raw tank;

FAULT 7093

Text
PAA UNIT - Alarm PAA concentration too low

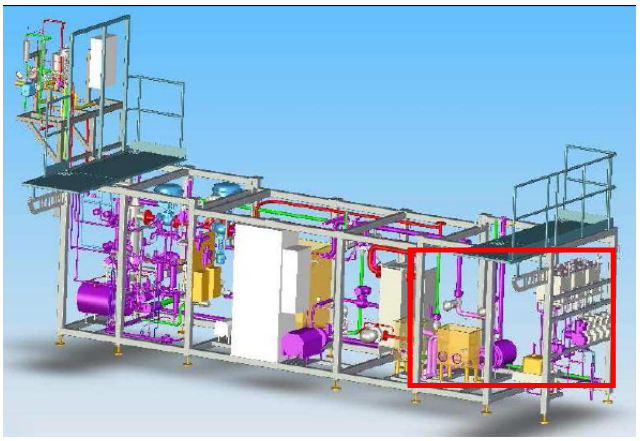
Cause

When the concentration read and set on the HMI from the operator during the titration is lower than the minimum PAA concentration set point.

Consequences

It's an Alarm, causes a PAA sending freeze.

Location



Corrective actions

_ Check the status of PAA circuit after dosing pump;

FAULT 7094

Text
PAA UNIT - Alarm PAA concentration too high

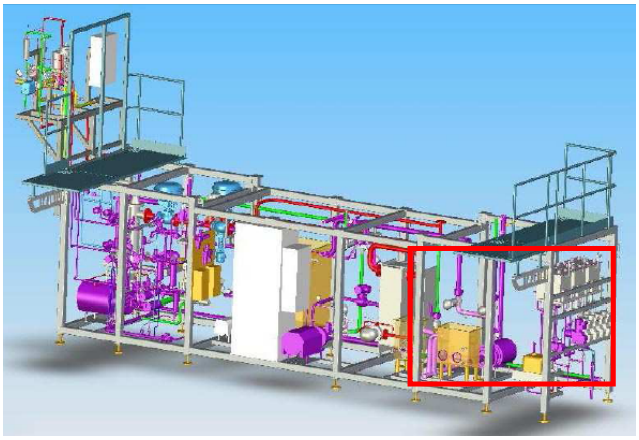
Cause

When the concentration read and set on the HMI from the operator during the titration is greater than the maximum PAA concentration set point.

Consequences

It's an Alarm, causes a PAA sending freeze.

Location



Corrective actions

_ Check the status of PAA circuit after dosing pump;

FAULT 7098

Text
PAA UNIT - QTD101 - Device alarm

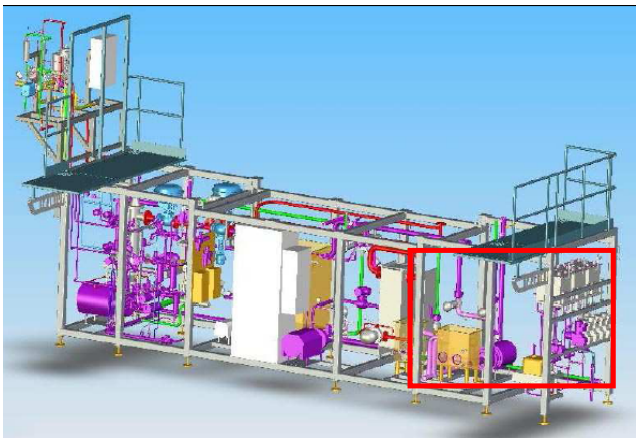
Cause

When the Applikon display has an internal alarm.

Consequences

It's an Alarm, causes a PAA sending freeze.

Location



Corrective actions

_ Check the Applikon display;

FAULT 7099

Text
PAA UNIT - QTD101 - Max difference between two titration

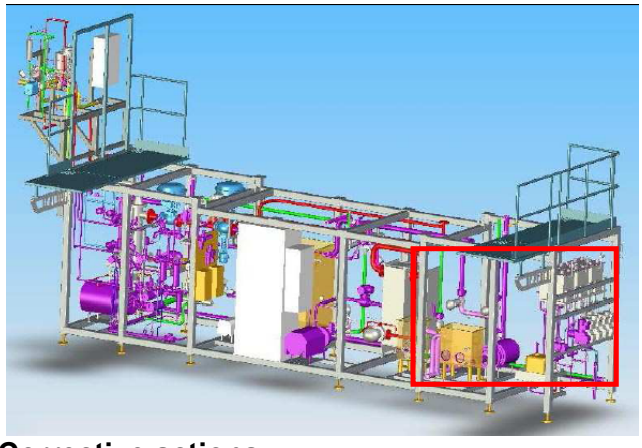
Cause

When the difference from value between one titration and an other is greater than the maximum value of set point.

Consequences

It's an Alarm, causes a PAA sending freeze.

Location



Corrective actions

_ Check the Applikon equipment;
_ Perform manual titration;

FAULT 7100

Text
PAA UNIT - QTD101 - Same result for consecutive titration

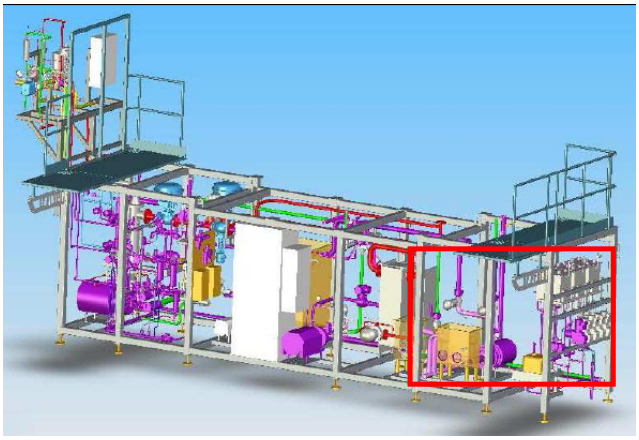
Cause

When the values of consecutive titrations read from the Applikon remains equal on time.

Consequences

It's an Alarm, causes a PAA sending freeze.

Location



Corrective actions

_Check the Applikon equipment;
_Check the Applikon display;

FAULT 7101

Text
PAA UNIT - QTD101 - Titration cycle time-out

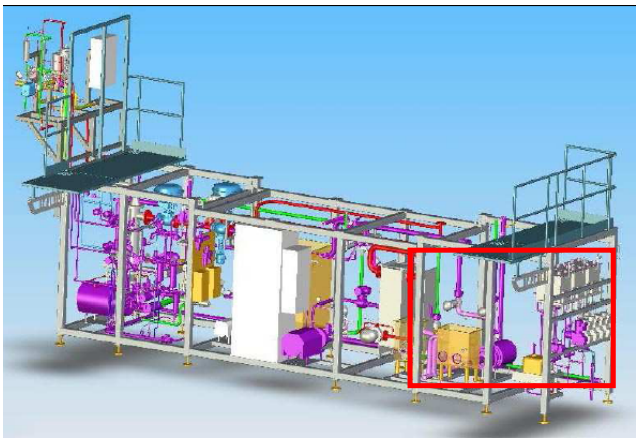
Cause

When during the titration cycle at start up, don't arrive from applikon the "titration In progress" signal for a time estimated.

Consequences

It's an Alarm, causes a PAA sending freeze.

Location



Corrective actions

_Check the Applikon equipment;
_Check the Applikon display;

FAULT 7102

Text
PAA UNIT - QTD101 - Titration result out of limits

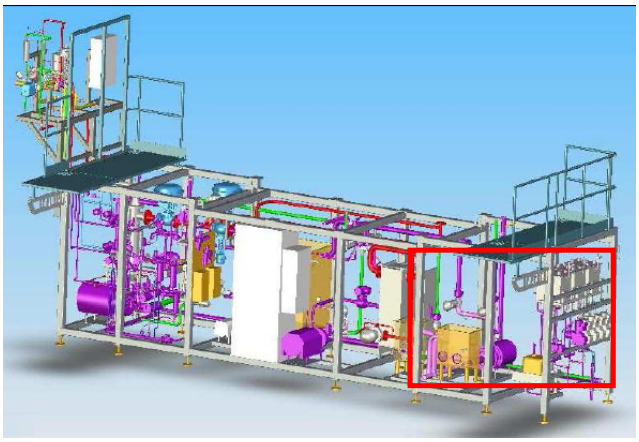
Cause

When the results of PAA titrations provided for the applikon are out of software limits (0-3000 PPM) .

Consequences

It's an Alarm, causes a PAA sending freeze.

Location



Corrective actions

_Check the Applikon equipment;
_Check the Applikon display;

FAULT 7110

Text
PAA UNIT - PTD102 - Analog error

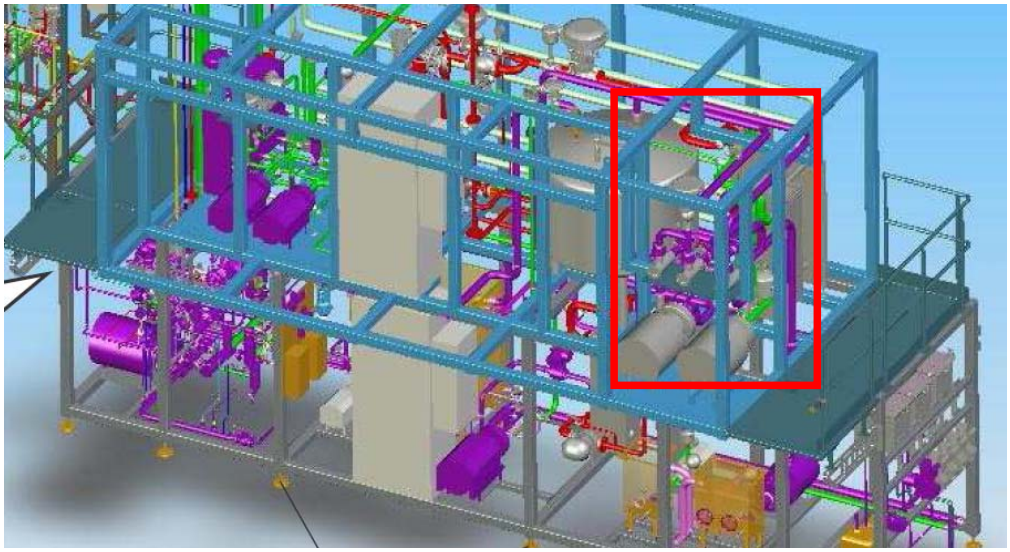
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_ Check the setting of pressure transducer;
_ Replace the component;

FAULT 7111

Text
PAA UNIT - PTD103 - Analog error

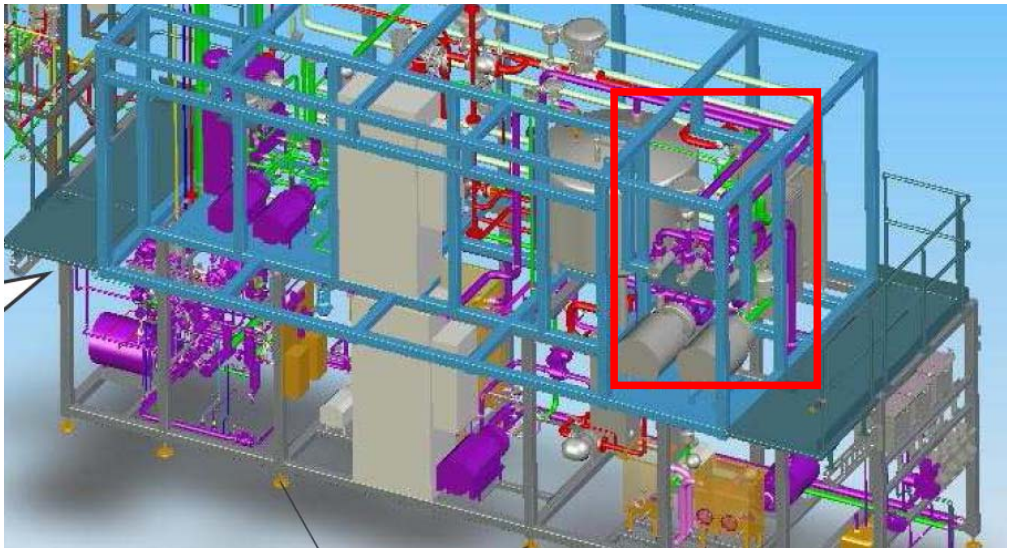
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_ Check the setting of pressure transducer;
_ Replace the component;

FAULT 7112

Text
PAA UNIT - PTD104 - Analog error

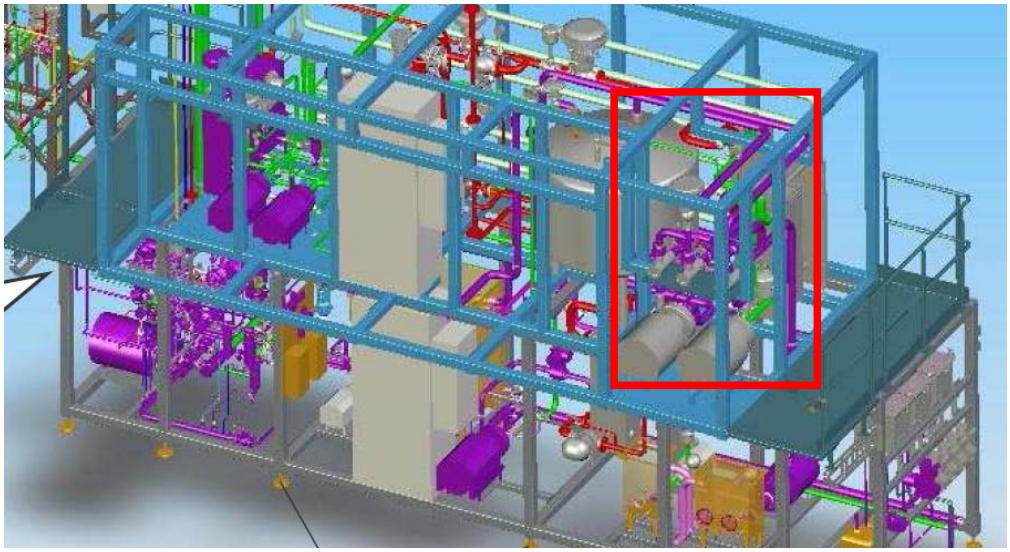
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's a critical fault, causes a PAA cycle stop.

Location



Corrective actions

_ Check the setting of pressure transducer;
_ Replace the component;

FAULT 7127

Text
PAA UNIT - PAA not available for mixing due to PAA addition

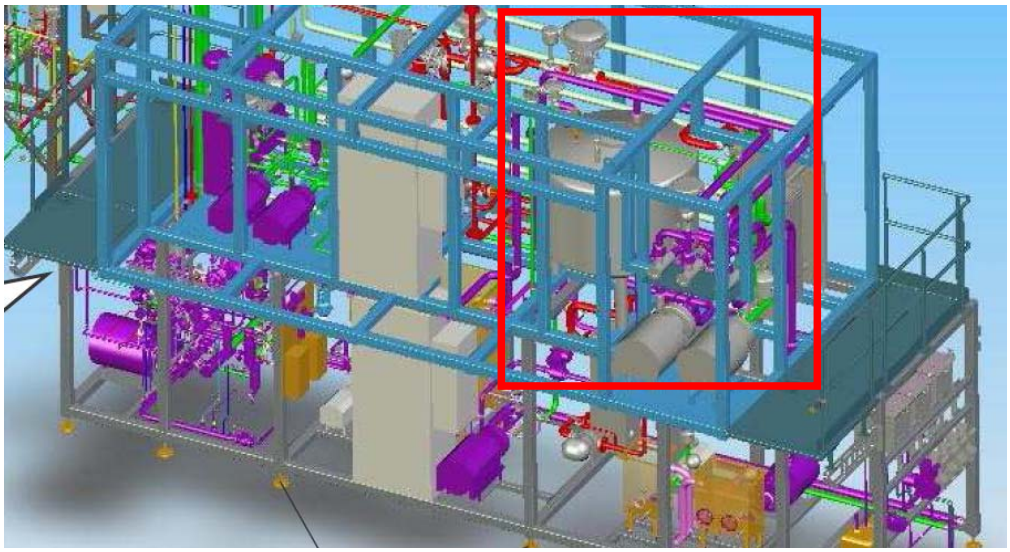
Cause

If , after a manual titration or after a automatic titration , the value of PAA concentration is lower that the minimum set point, the PAA addiction phase is performed (will be request another titration after the dosing phase).

Consequences

It's an alarm, PAA sending freeze action type.

Location



Corrective actions

_ Is a automatic management. Verify the good PAA concentration after the dosing phase.

FAULT 7128

Text
PAA UNIT - PAA not available for mixing due to water addition

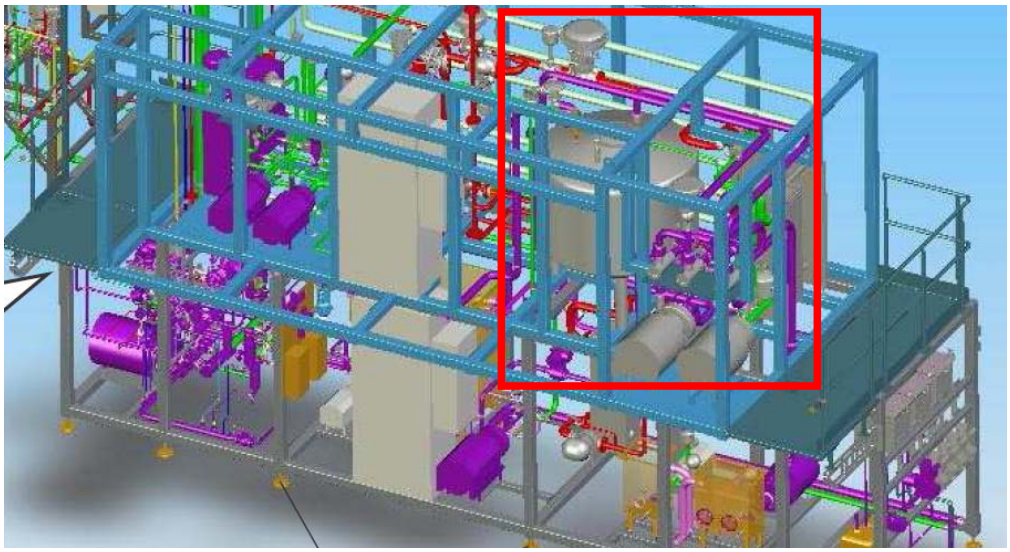
Cause

If , after a manual titration or after a automatic titration , the value of PAA concentration is grater that the maximum set point, the PAA addiction phase is performed (will be request another titration after the dosing phase).

Consequences

It's an alarm, PAA sending stop action type.

Location



Corrective actions

FAULT 7134

Text
PAA UNIT - Timeout PAA titration

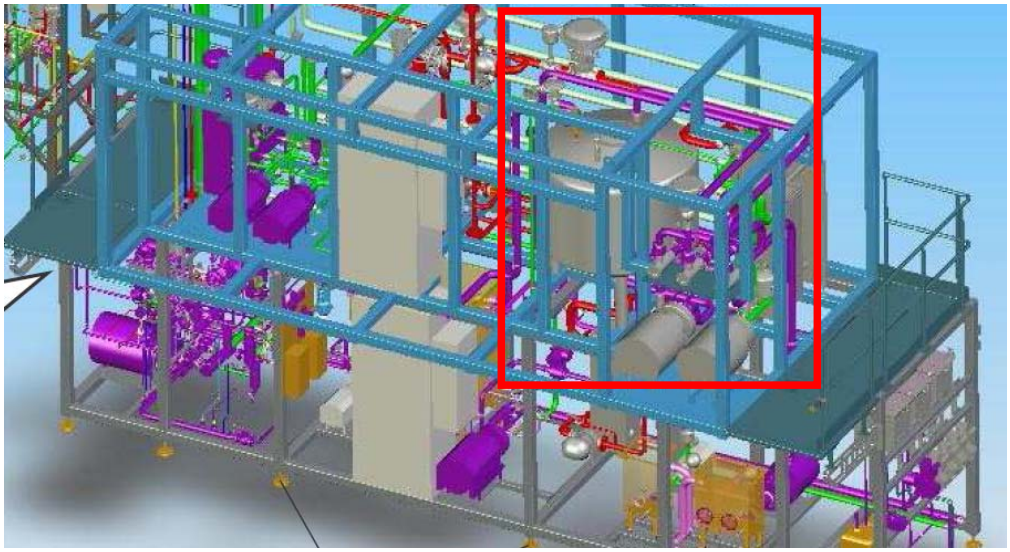
Cause

when too much time passes between a titration and the other after titration request.

Consequences

It's an alarm, PAA sending freeze action type.

Location



Corrective actions

_Perform the manual titration;

FAULT 7135

Text
PAA UNIT - Timeout wetting agent titration

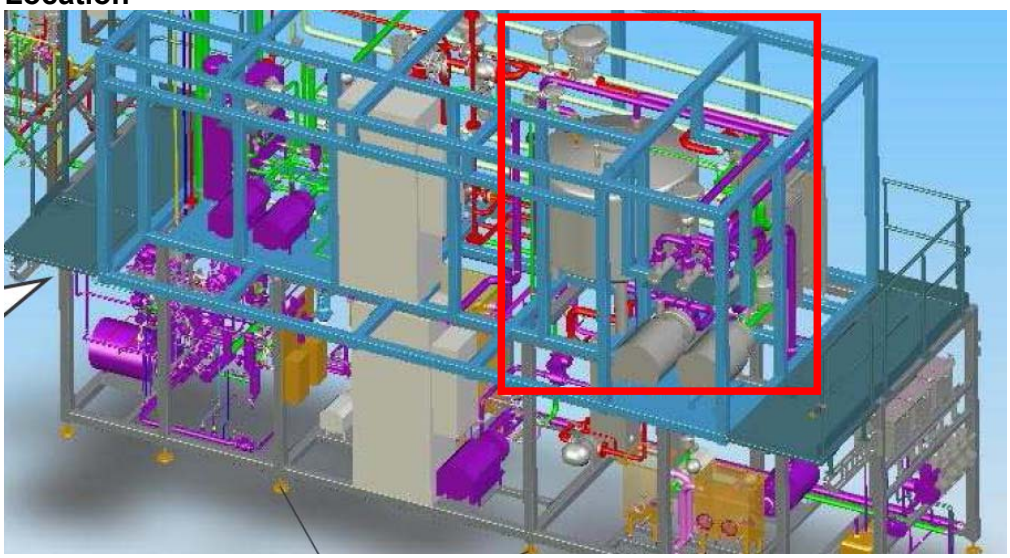
Cause

when too much time passes between a titration and the other after titration request.

Consequences

It's an alarm, PAA sending freeze action type.

Location



Corrective actions

_Perform the manual titration;

FAULT 7150

Text
PAA UNIT - PPD104 - Pulse feedback fault

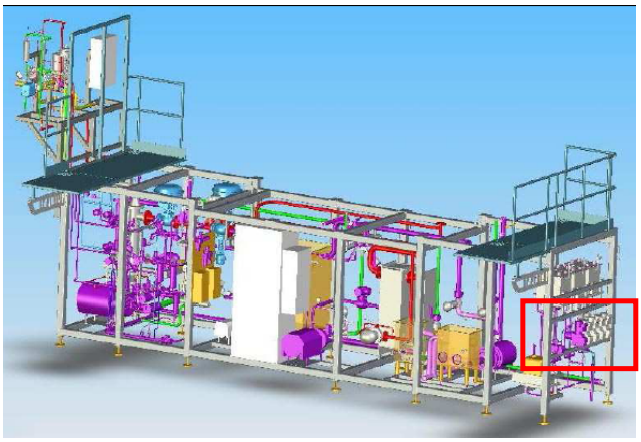
Cause

When the PAA circuit is in CIP mode, the dosing pump is in run, on the PLC card doesn't arrive the feedback pulse for a established time.

Consequences

It's an Alarm, causes PAA CIP cycle Stop.

Location



Corrective actions

_ Verify the status on the pump;
_ Check the parameterization of the pump;
_ Check status of the piping line after the pump;

FAULT 7151

Text
PAA UNIT - PPD104 - Check pump display

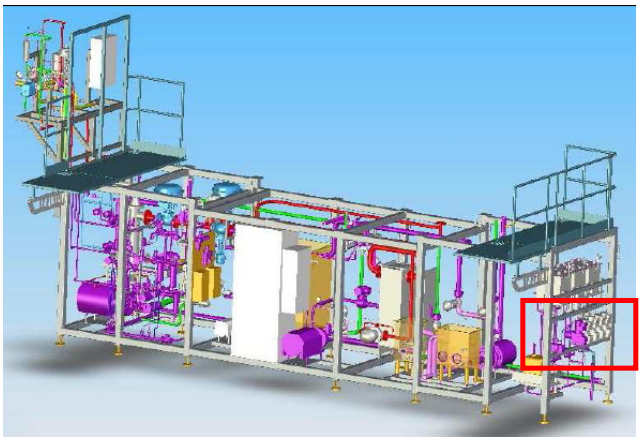
Cause

When the PAA circuit is in CIP cycle, the dosing pump goes in alarm due a error on the counter of oval gear meter pulses.

Consequences

It's an Alarm, causes PAA CIP cycle stop.

Location



Corrective actions

_ Check if the oval gear meter isn't clogged;
_ Verify the status on the pump;
_ Check the parameterization of the pump;
_ Check status of the piping line after the pump;

FAULT 7153

Text
PAA UNIT - PPD104 - Soda not available

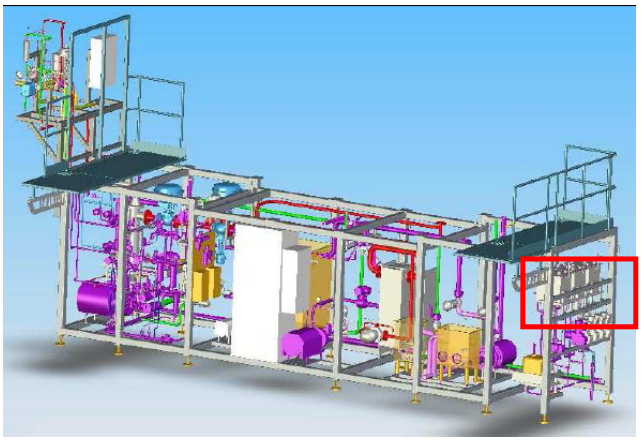
Cause

When the PAA circuit is in CIP cycle, the SODA raw tank is empty (signal from Filler to AUS).

Consequences

It's an Alarm, causes PAA CIP cycle stop.

Location



Corrective actions

_ Check the status of SODA raw tank;

STERILE WATER UNIT

Performance through Understanding

Sidel

FAULT 7160

Text
SW UNIT - PPU102 - Thermic fault

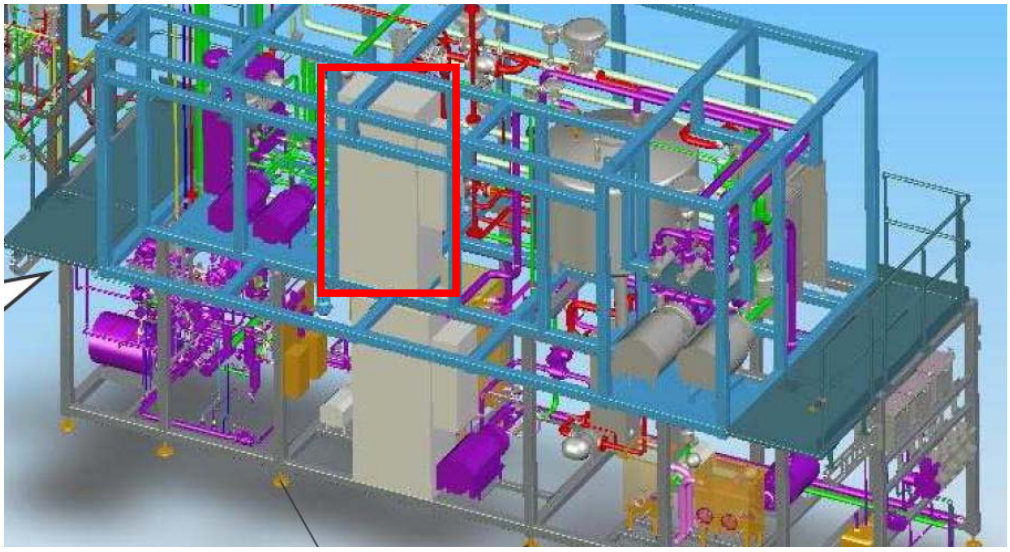
Cause

There is a feedback of PPU102 thermic in AUS main cabinet. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes a SW stop cycle.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 7161

Text
SW UNIT - PPU102 - Feedback fault

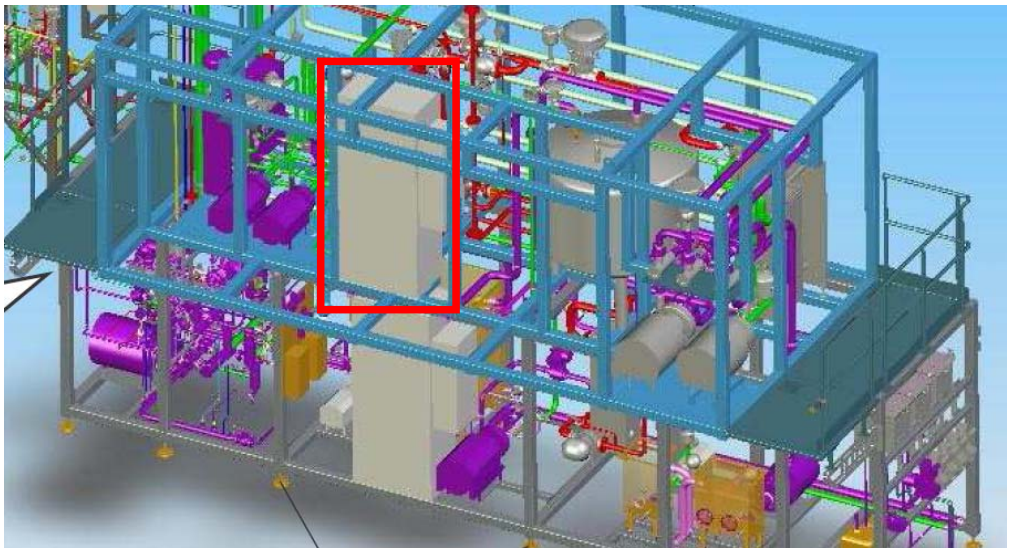
Cause

When don't arrive the feedback of the contactor when this is excited.

Consequences

It's a critical fault, causes a SW cycle stop.

Location



Corrective actions

_Check the mechanical functioning of contactor;
_Check the functioning of the component connected;

FAULT 7162

Text
SW UNIT - PPU103 - Thermic fault

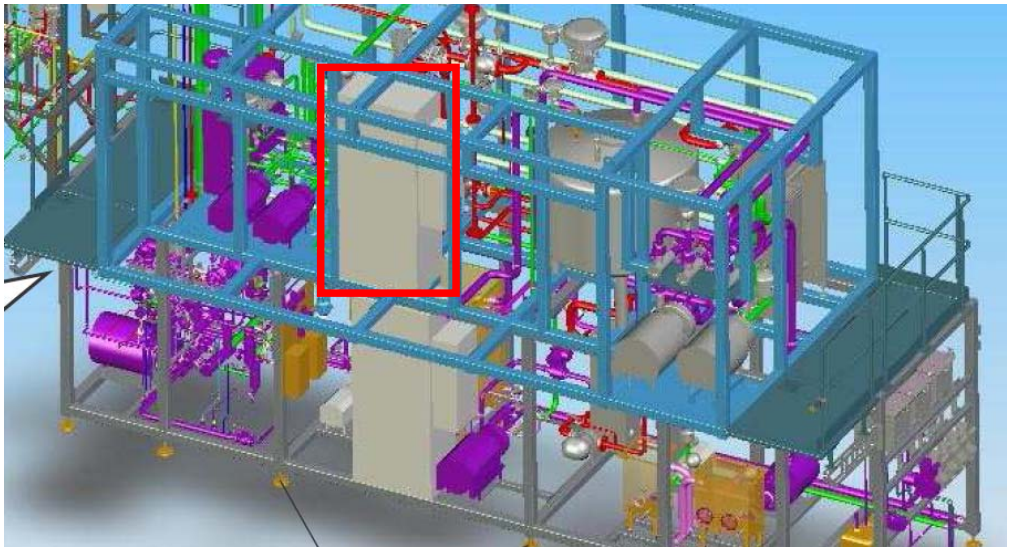
Cause

There is a feedback of PPU103 thermic in AUS main cabinet. The thermic goes in trip when the current load is greater then the "Ir" set on the thermic switch.

Consequences

It's a critical fault, causes a SW stop cycle.

Location



Corrective actions

_Check if there isn't continuity from each phases to the ground;
_Check the settings of load current on the thermic switch;

FAULT 7163

Text
SW UNIT - PPU102 - Feedback fault

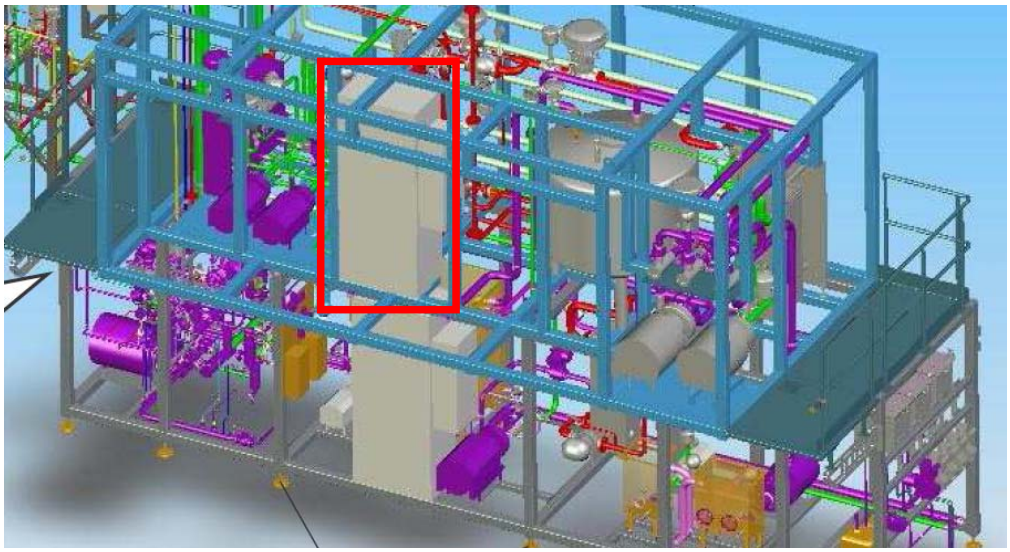
Cause

When don't arrive the feedback of the contactor when this is excited.

Consequences

It's a critical fault, causes a SW cycle stop.

Location



Corrective actions

_Check the mechanical functioning of contactor;
_Check the functioning of the component connected;

FAULT 7164

Text
SW UNIT - PPU101 - Feedback fault

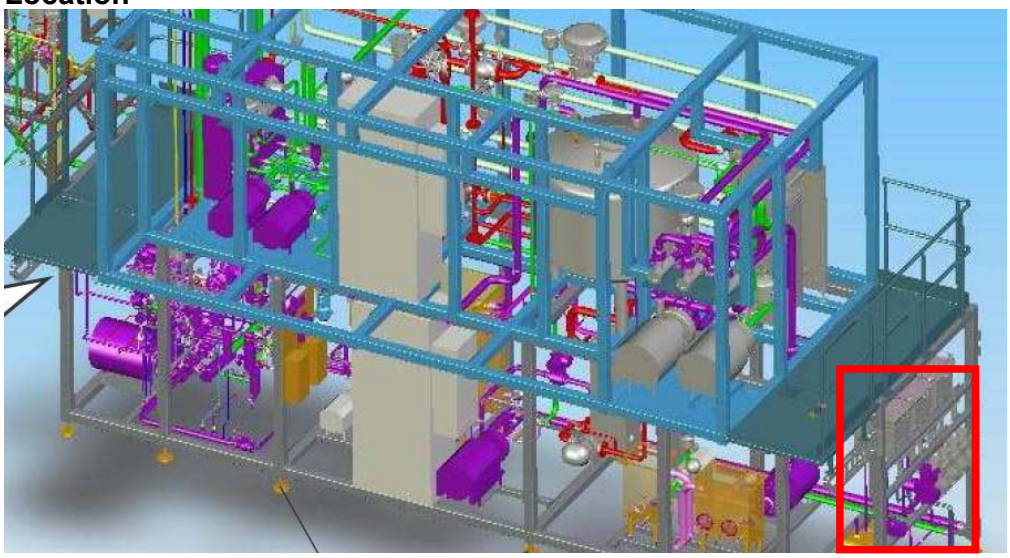
Cause

When don't arrive on the PLC card the feedback of the thermic switch.

Consequences

It's an alarm, causes a SW acid preparation cycle stop.

Location



Corrective actions

_Check the mechanical functioning of thermic;
_Check the functioning of the component connected;
_Check if there isn't short circuit on the component power line;

FAULT 7165

Text
SW UNIT - PPU101 - Feedback pulse error

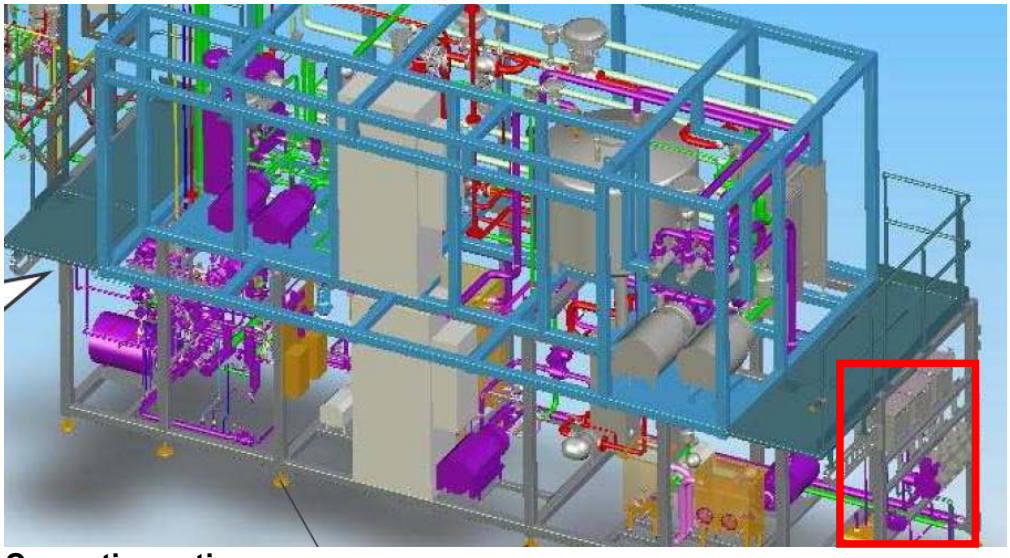
Cause

When don't arrive on the PLC card the pump pulse feedback (only when the pump is in running).

Consequences

It's an alarm, causes a SW acid preparation cycle stop.

Location



Corrective actions

_Check the status of the component;
_Check the functioning of the component connected;
_Check if the pump is in running;

FAULT 7166

Text
SW UNIT - CIP Aborted - Repeat the cycle

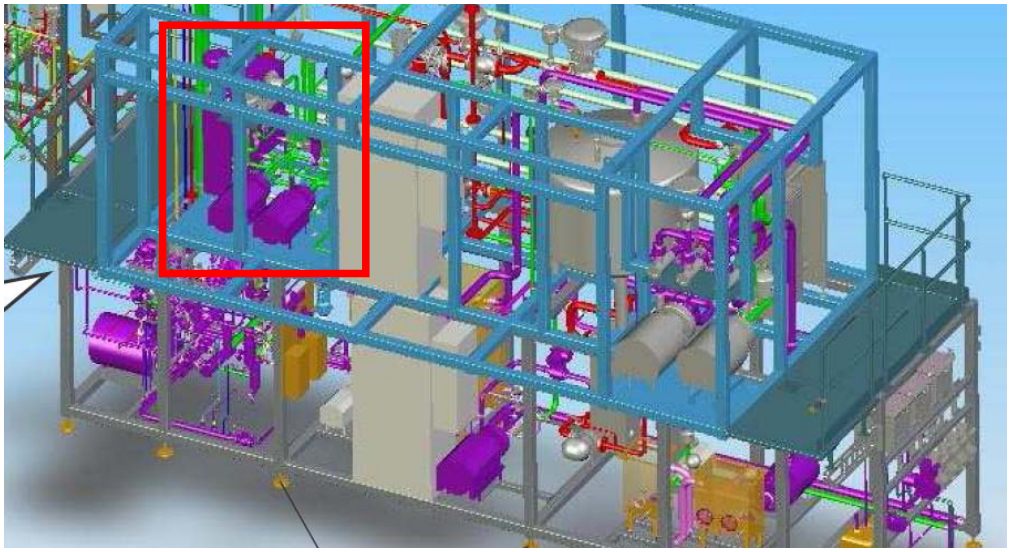
Cause

When the CIP cycle goes in Abort mode.

Consequences

It's an alarm, causes a SW general freeze.

Location



Corrective actions

_repeat CIP cycle.

FAULT 7174

Text
SW UNIT - FTU101 - Low flowrate

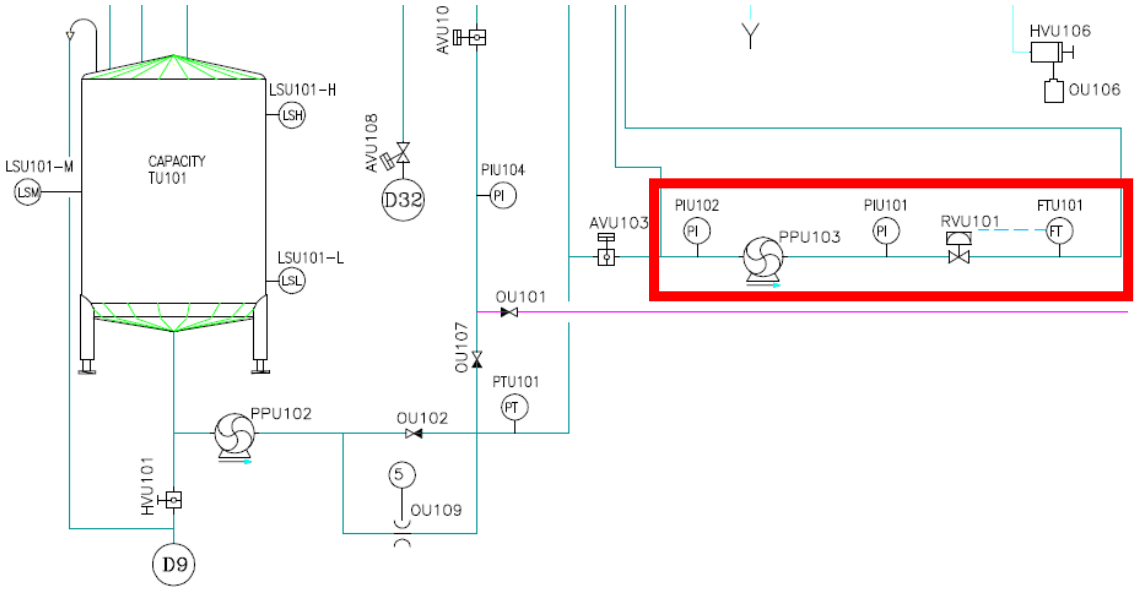
Cause

When the sterile water is warm up to sterilization cycle, the flow read from the flow transmitter (FTU101) is lower that the sterile water warm up to sterilization minimum set-point flow.

Consequences

It's an Alarm, causes a SW sending stop cycle.

Location



Corrective actions

_ Check the status of the flow meter FTU101;
_ Check if there is some leakage in sterile water circuit;
_ Check the setting of RVU101 PID;
_ Verify the opening range of RVU101;

FAULT 7175

Text
SW UNIT - FTU101 - High flowrate

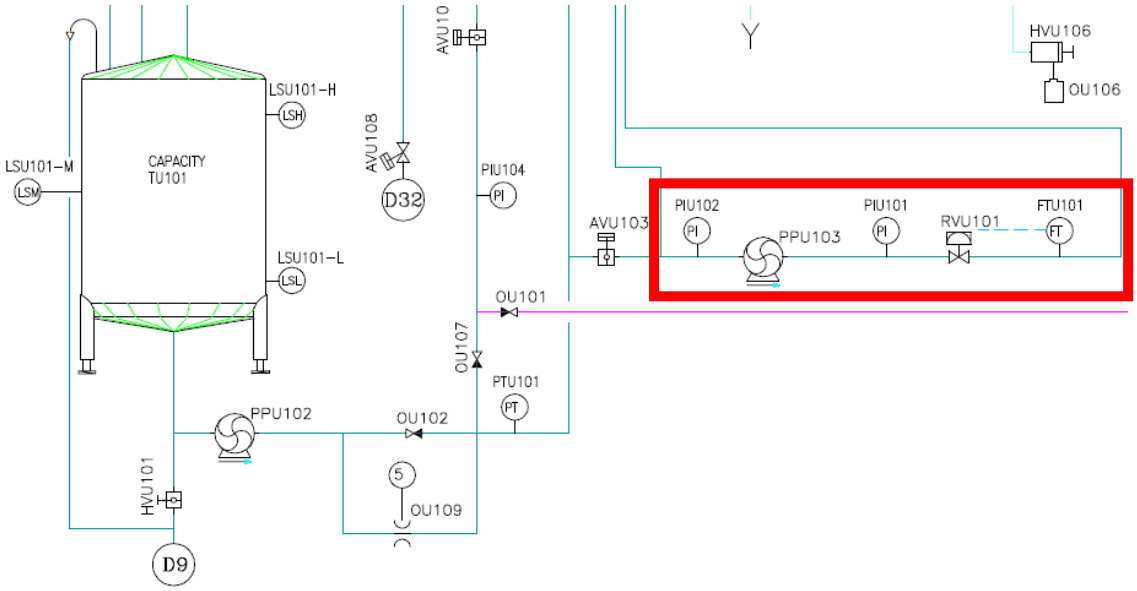
Cause

When the sterile water is warm up to sterilization cycle, the flow read from the flow transmitter (FTU101) is higher that the sterile water warm up to sterilization maximum set-point flow.

Consequences

It's an Alarm, causes a SW preparation freeze cycle.

Location



Corrective actions

_ Check the status of the flow meter FTU101;
_ Check if there is some leakage in sterile water circuit;
_ Check the setting of RVU101 PID;
_ Verify the opening range of RVU101;

FAULT 7176

Text
SW UNIT - FTU101 - Analog error

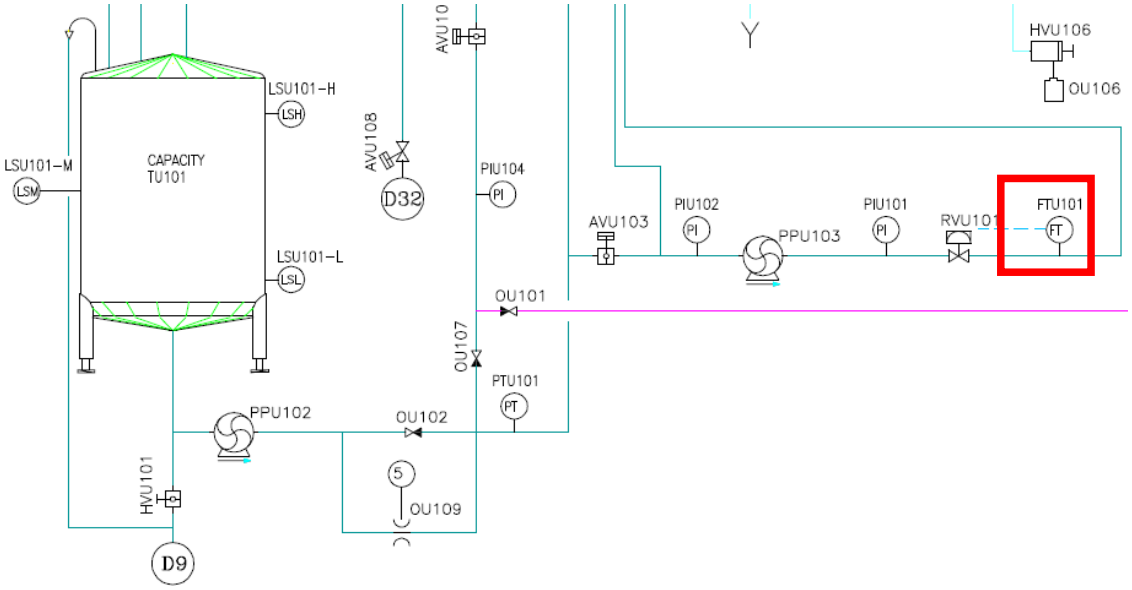
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, SW critical alarm action type.

Location



Corrective actions

_ Check the status of the component;
_Check the parameterization set on the component;
_ Replace the component;

FAULT 7177

Text
SW UNIT - TTU102 - Warning temperature too low

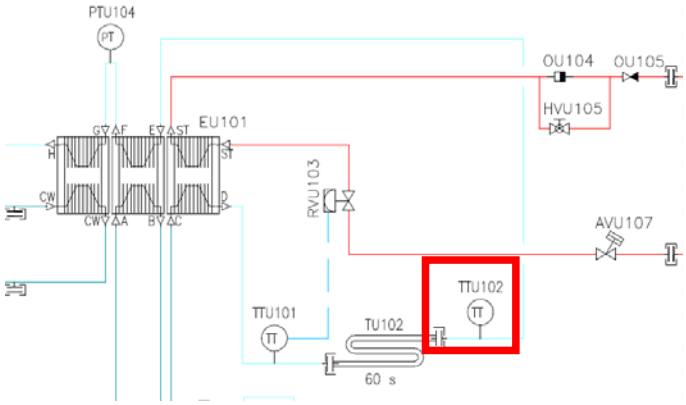
Cause

When the temperature read from the PT100 TTU102 is lower that the minimum warning outlet temperature parameter.

Consequences

It's an alarm, causes a SW sending cycle stop.

Location



Corrective actions

_Check the status of steam circuit;
_Check the parameterization of Heating PID;

FAULT 7178

Text
SW UNIT - TTU102 - Warning temperature too high

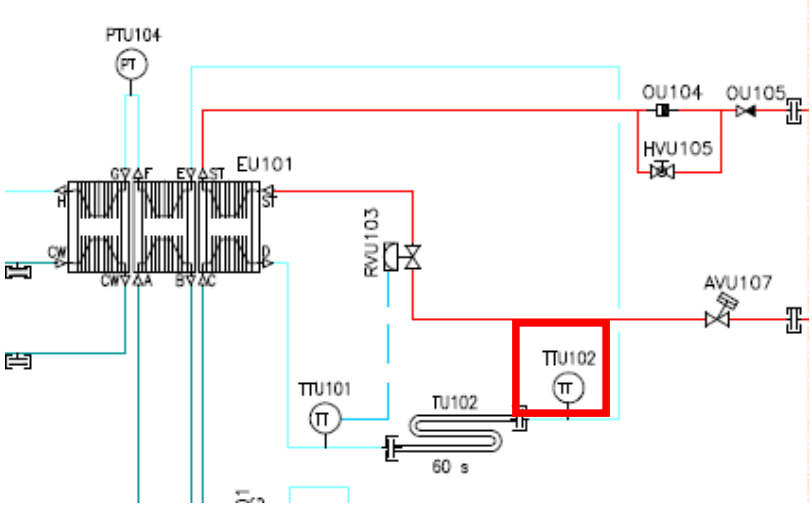
Cause

When the temperature read from the TTU102 is higher that the maximum warning outlet temperature parameter.

Consequences

It's an alarm, causes a SW sending freeze cycle.

Location



Corrective actions

_Check the status of steam circuit;
_Check the parameterization of heating PID;

FAULT 7179

Text
SW UNIT - TTU102 - Alarm temperature too low

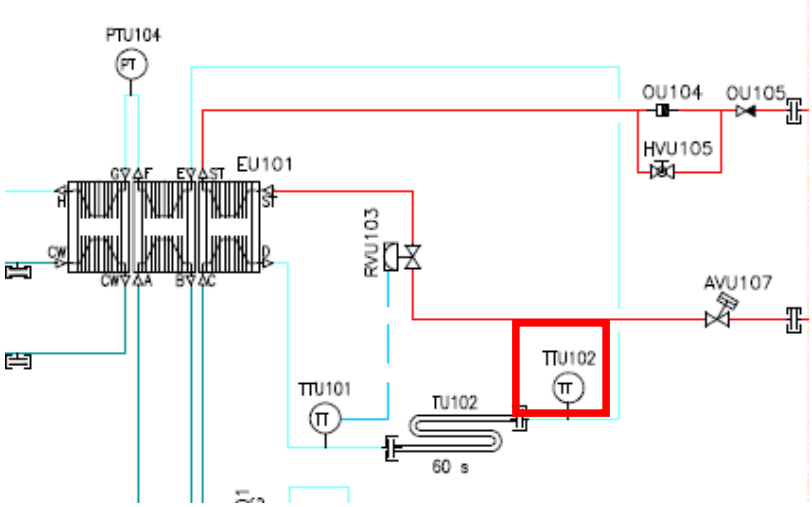
Cause

When the temperature read from the TTU102 is higher that the maximum outlet temperature set-point parameter.

Consequences

It's an alarm, causes a SW sending stop cycle.

Location



Corrective actions

_Check the status of steam circuit;
_Check the parameterization of heating PID;

FAULT 7180

Text
SW UNIT - TTU101 - Alarm temperature too low

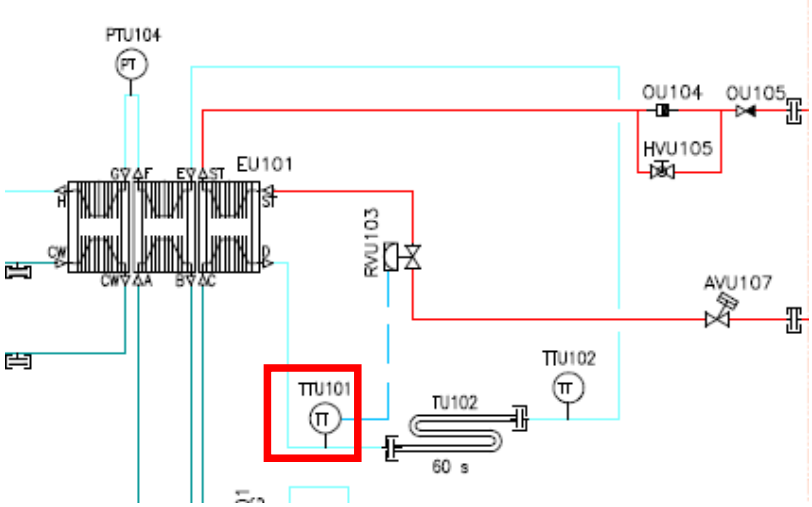
Cause

When the temperature read from the TTU101 is lower that the minimum temperature set-point parameter.

Consequences

It's an alarm, causes a SW sending stop cycle.

Location



Corrective actions

_Check the status of steam circuit;
_Check the parameterization of heating PID;

FAULT 7181

Text
SW UNIT - TTU101 - Analog error

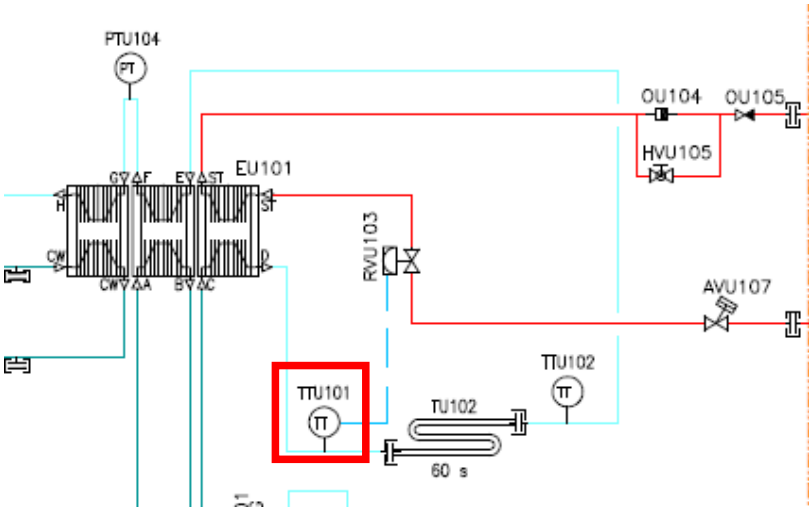
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, SW critical alarm action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 7184

Text
SW UNIT - TTU102 - Analog error

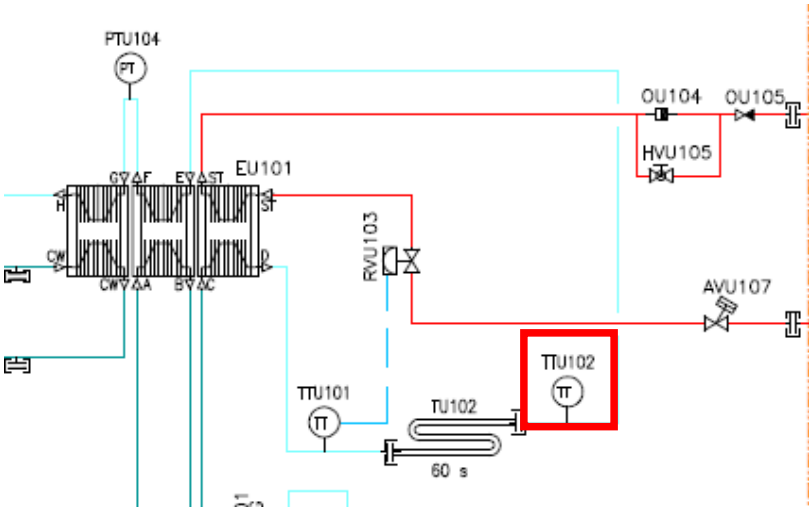
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, SW critical alarm action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 7186

Text
SW UNIT - TTU103 - Warning outlet temp. too high

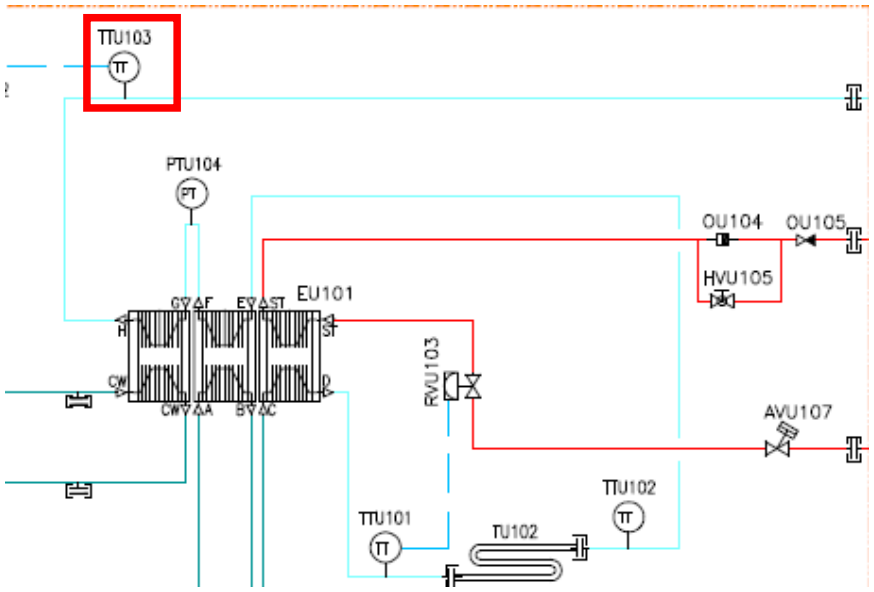
Cause

When the temperature read from the TTU103 is greater that the warning outlet temperature set-point parameter.

Consequences

It's an alarm, causes a SW sending cycle freeze.

Location



Corrective actions

_Check the status of RVU103;
_Check the status of steam circuit;
_Check the parameterization of heating PID;

FAULT 7187

Text
SW UNIT - TTU103 - Warning outlet temp. too low

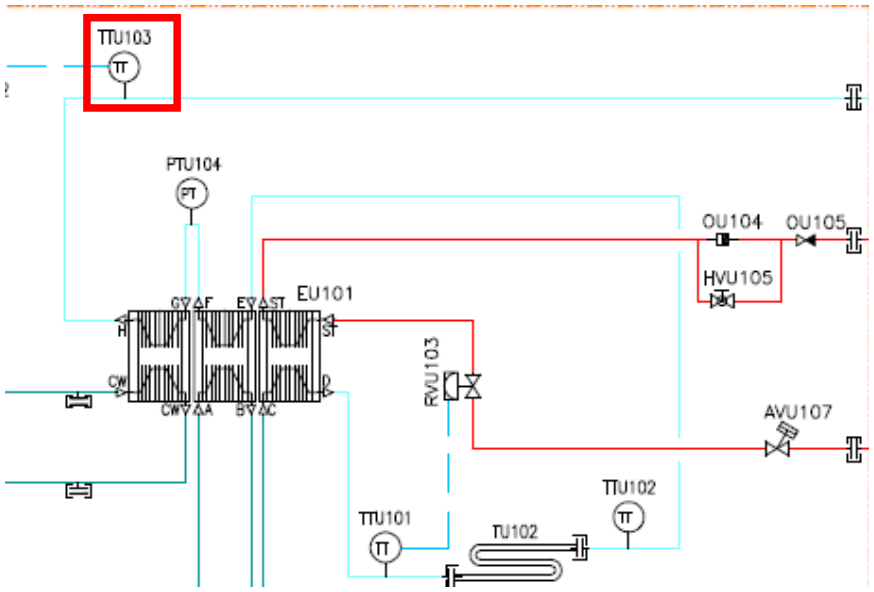
Cause

When the temperature read from the TTU103 is lower that the minimum outlet temperature set-point parameter.

Consequences

It's an alarm, causes a SW preparation cycle freeze.

Location



Corrective actions

_Check the status of RVU103;
_Check the status of steam circuit;
_Check the parameterization of heating PID;

FAULT 7188

Text
SW UNIT - TTU103 - Alarm outlet temp. too high

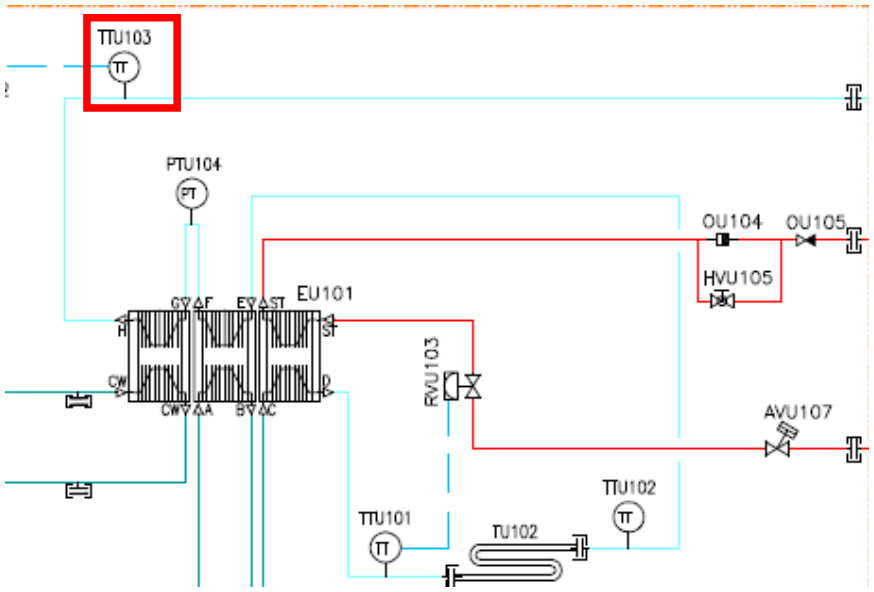
Cause

When the temperature read from the TTU103 is greater that the maximum outlet temperature set-point parameter.

Consequences

It's an alarm, causes a SW sending cycle stop.

Location



Corrective actions

_Check the status of RVU103;
_Check the status of steam circuit;
_Check the parameterization of heating PID;

FAULT 7189

Text
SW UNIT - TTU103 - Analog error

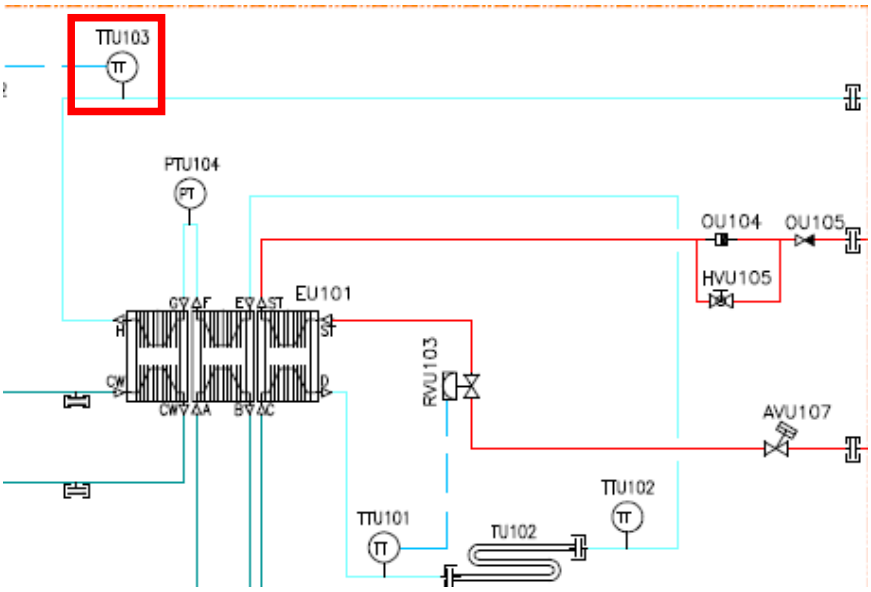
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, SW critical alarm action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 7190

Text
SW UNIT - TTU104 - Warning return line temperature too low

Cause

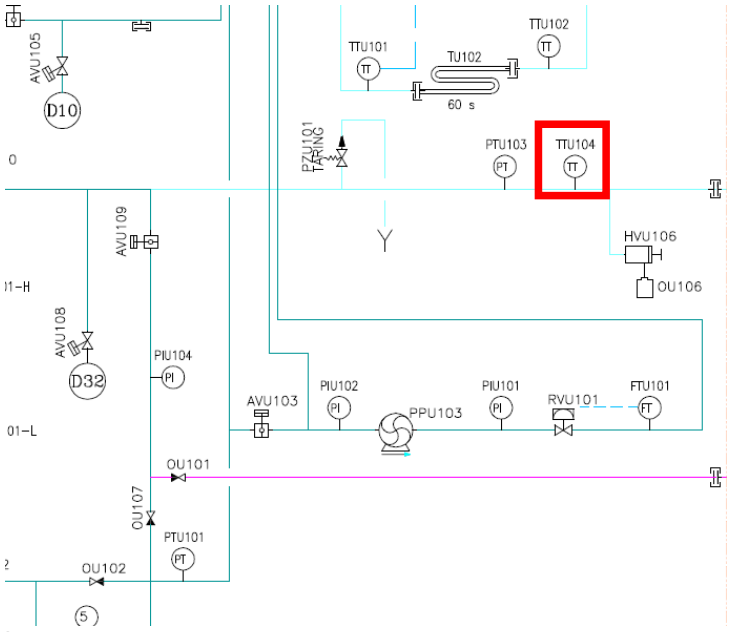
This alarm is generated from 3 different reasons:

- the temperature read from the TTU104 is lower than the warning return line temperature during cleaning.
- the value of temperature in heating phase is under the set-point required and it goes in timeout warm-up to switch temperature in production.
- the sterilization warm-up temperature goes in timeout and the temperature read from the TTU104 is lower than the minimum temperature warning for production.

Consequences

It's an Alarm, SW general freeze action type.

Location



Corrective actions

_ Check the status of steam circuit;
_ Check the status of the component;

FAULT 7192

Text
SW UNIT - TTU104 - Analog error

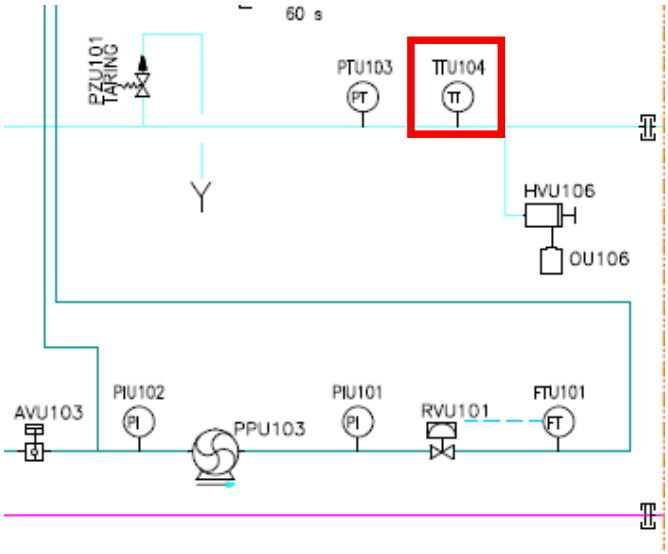
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, SW critical alarm action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 7193

Text
SW UNIT - TTU101 - Warning inlet holding pipe temp. too low

Cause

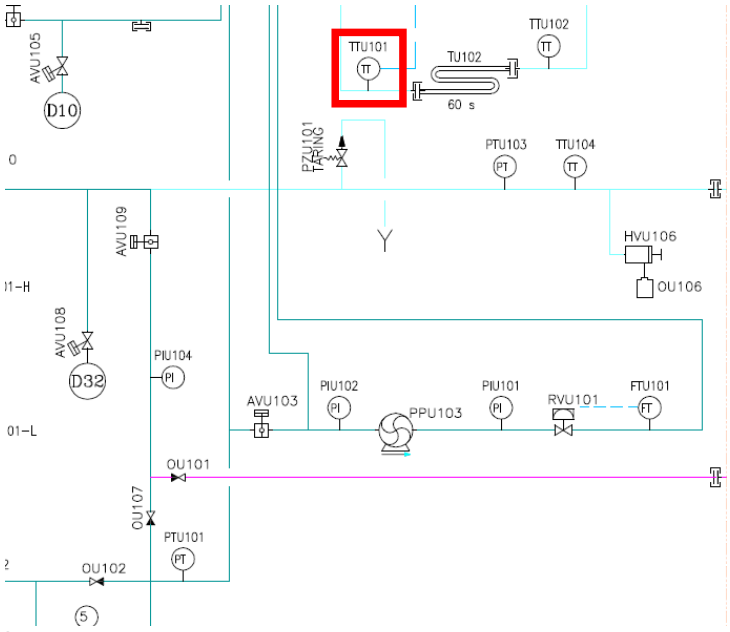
This alarm is generated from 3 different reasons:

- the temperature read from the TTU101 is lower than the warning inlet holding pipe temperature set-point during cleaning.
- the value of temperature in heating phase is under the set-point required and it goes in timeout warm-up to switch temperature in production.
- the sterilization warm-up temperature goes in timeout and the temperature read from the TTU101 is lower than the minimum temperature warning for production.

Consequences

It's an Alarm, SW general freeze action type.

Location



Corrective actions

_ Check the status of steam circuit;
_ Check the status of the component;
_ Check if there isn't some leakage on stop zone;

FAULT 7194

Text
SW UNIT - TTU101 - Warning inlet holding pipe temp. too high

Cause

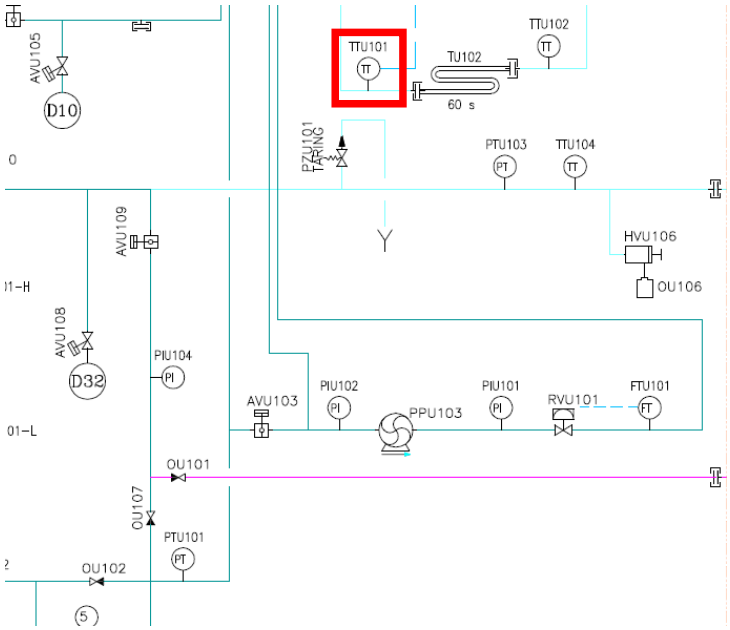
This alarm is generated from 3 different reasons:

- the temperature read from the TTU101 is higher than the maximum inlet holding pipe temperature set-point during cleaning.
- the temperature read from the TTU101 is higher than the maximum temperature set-point for production.
- the temperature read from the TTU101 is higher than the maximum temperature set-point for Sterilization

Consequences

It's an Alarm, SW general freeze action type.

Location



Corrective actions

_ Check the status of steam circuit;
_ Check the status of the component;
_ Check if there isn't some leakage on stop zone;

FAULT 7195

Text
SW UNIT - PTU101 - Alarm boost pump inlet pressure too low

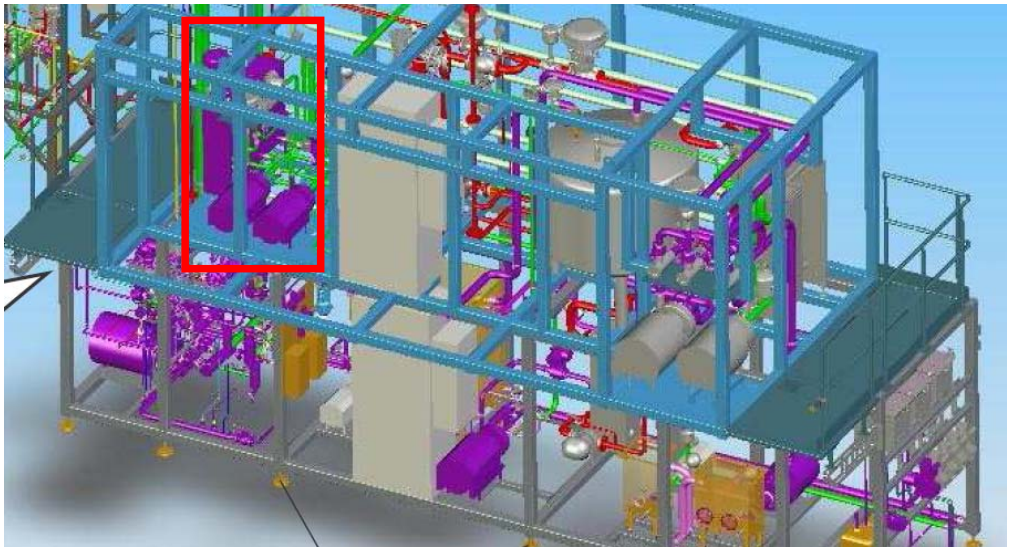
Cause

When the pressure readed from PTU101 is lower than the minimum pressure set-point in open loop.

Consequences

It's a critical fault, causes a SW cycle stop.

Location



Corrective actions

_Check the inlet pressure of process water, in according with the p&id;
_Check the setting of pressure transducer;

FAULT 7196

Text
SW UNIT - PTU101 - Alarm boost pump inlet pressure too high

Cause

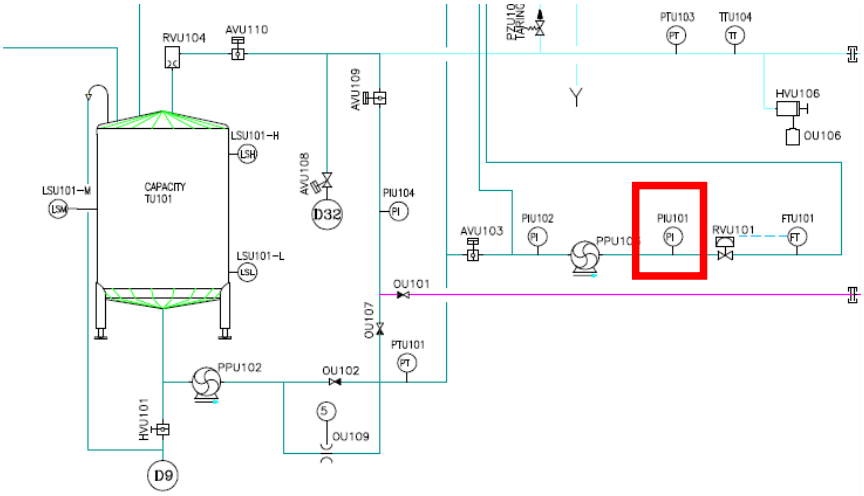
This alarm can be caused by 2 reasons:

- (open loop) when the pressure reads from PTU101 is higher that the maximum pressure set-point in open loop for 5 seconds;
- (close loop) when the pressure reads from PTU101 is higher that the maximum pressure set-point in close loop for 5 seconds;

Consequences

It's an Alarm, causes SW sending cycle stop.

Location



Corrective actions

_Check the status of the component;
_Check if the sending filters aren't clogged;
_Replace the component;

FAULT 7197

Text
SW UNIT - PTU101 - Analog error

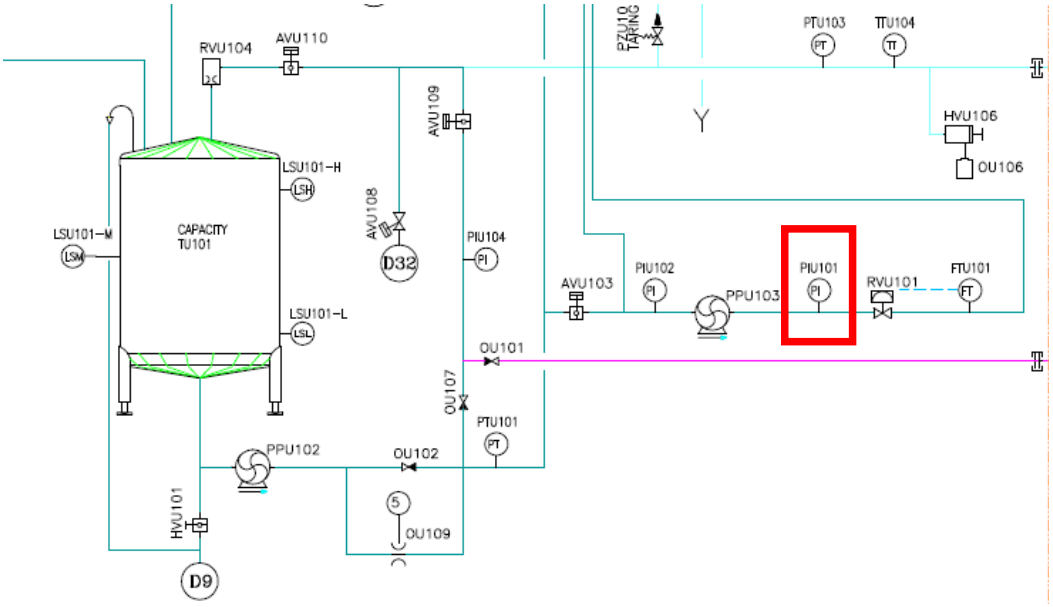
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, critical alarm action type.

Location



Corrective actions

_Check the status of the component;
_Replace the component;

FAULT 7199

Text
SW UNIT - PTU102 - Analog Input anomaly

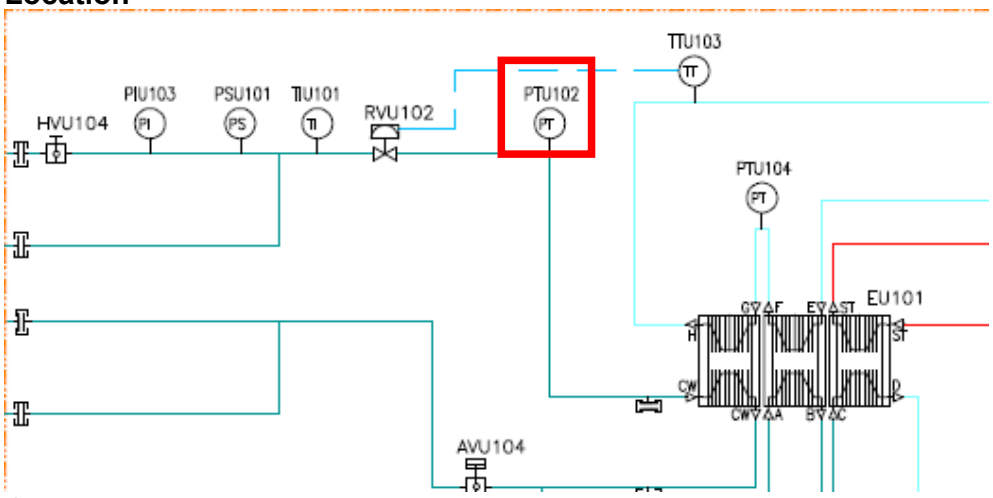
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, SW critical alarm action type.

Location



Corrective actions

_ Check the status of the component;
_ Replace the component;

FAULT 7200

Text
SW UNIT - PTU103 - Warning return line pressure too low

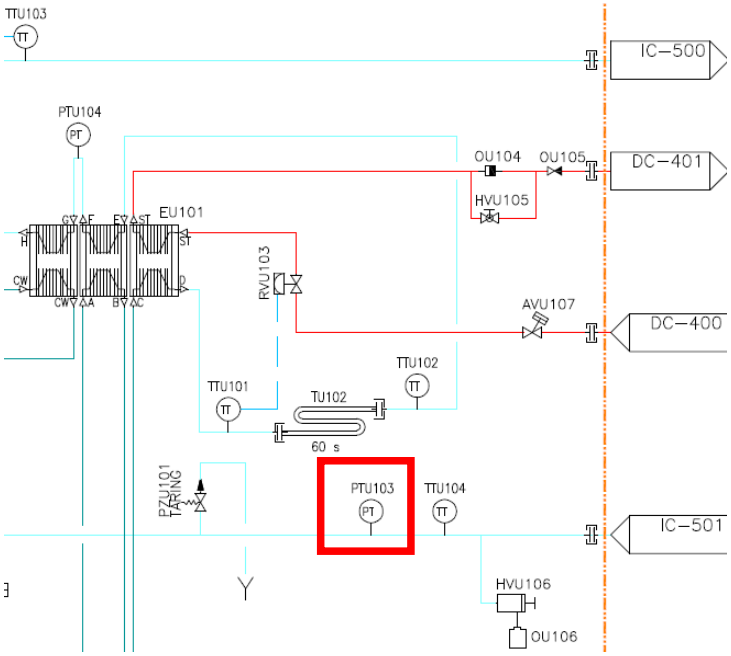
Cause

When the pressure read from PTU103 is lower than the minimum pressure set-point in return loop.

Consequences

It's an Alarm, causes a SW sending freeze.

Location



Corrective actions

_Check the status of the component;
_Check the status of recovery unit;
_Replace the component;

FAULT 7201

Text
SW UNIT - PTU103 - Alarm return line pressure too low

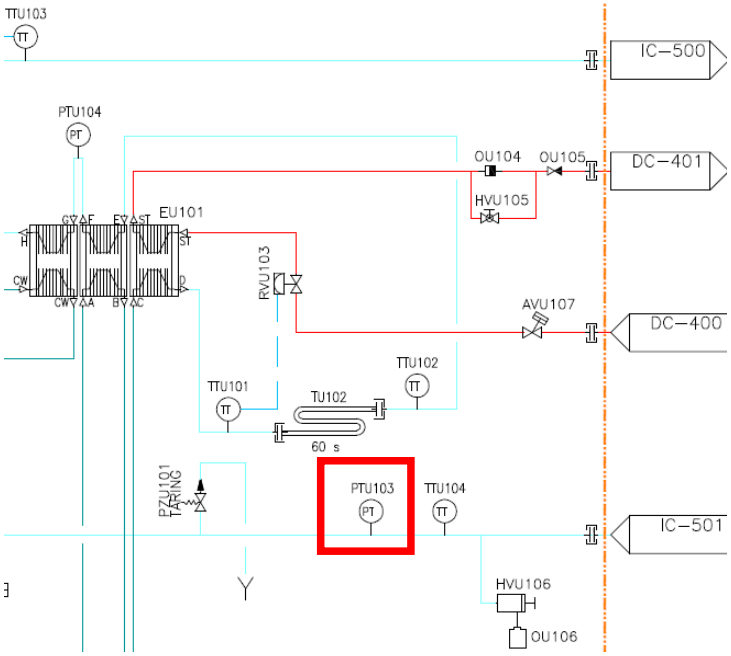
Cause

When the pressure read from PTU103 is lower than the minimum pressure set-point in return loop.

Consequences

It's an Alarm, causes a SW sending stop.

Location



Corrective actions

_Check the status of the component;
_Check the status of recovery unit;
_Replace the component;

FAULT 7202

Text
SW UNIT - PTU101 - Alarm boost pump inlet pressure too low

Cause

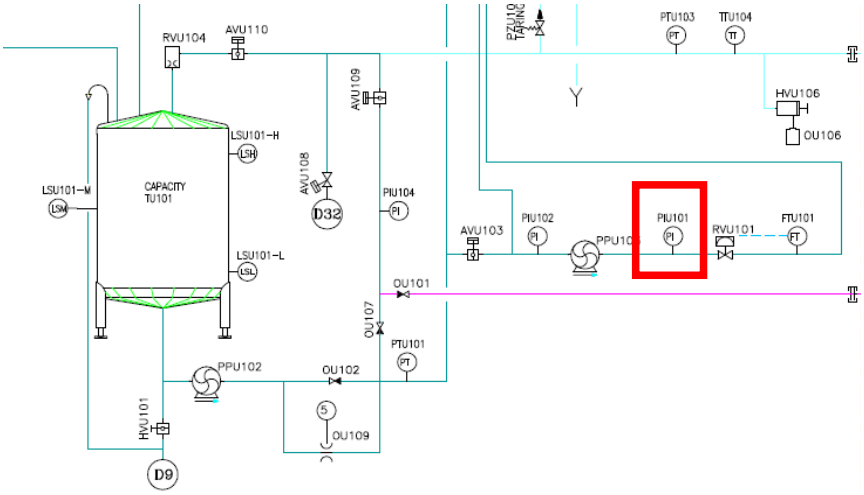
This alarm can be caused by 2 reasons:

- (open loop) when the pressure reads from PTU101 is higher that the minimum pressure set-point in open loop for 5 seconds;
- (close loop) when the pressure reads from PTU101 is higher that the minimum pressure set-point in close loop for 5 seconds;

Consequences

It's an Alarm, causes SW sending cycle stop.

Location



Corrective actions

_Check the status of the component;
_Check the parameterization of sending PID;
_Check if there isn't some leakages on SW loop;

FAULT 7203

Text
SW UNIT - PTU103 - Analog error

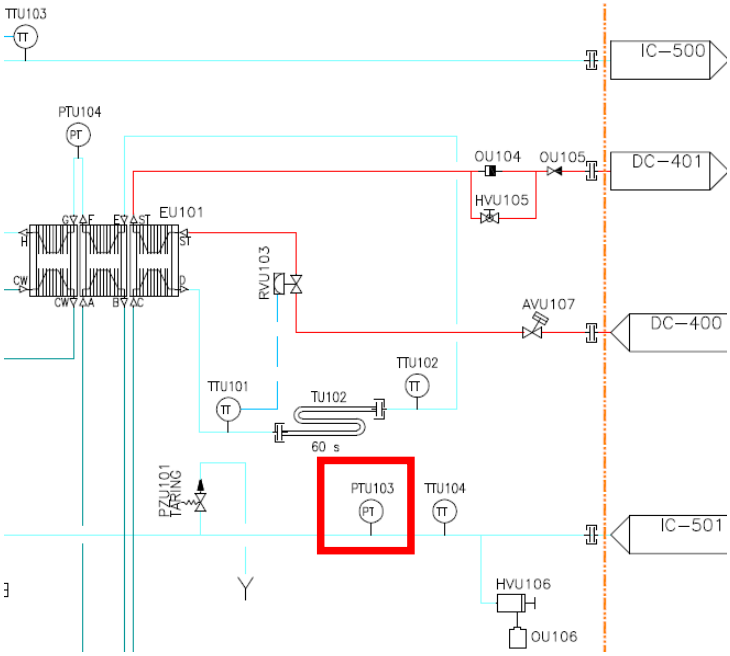
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, causes a SW sending stop.

Location



Corrective actions

_Check the status of the component;
_Replace the component;

FAULT 7204

Text
SW UNIT - PTU104 - Analog error

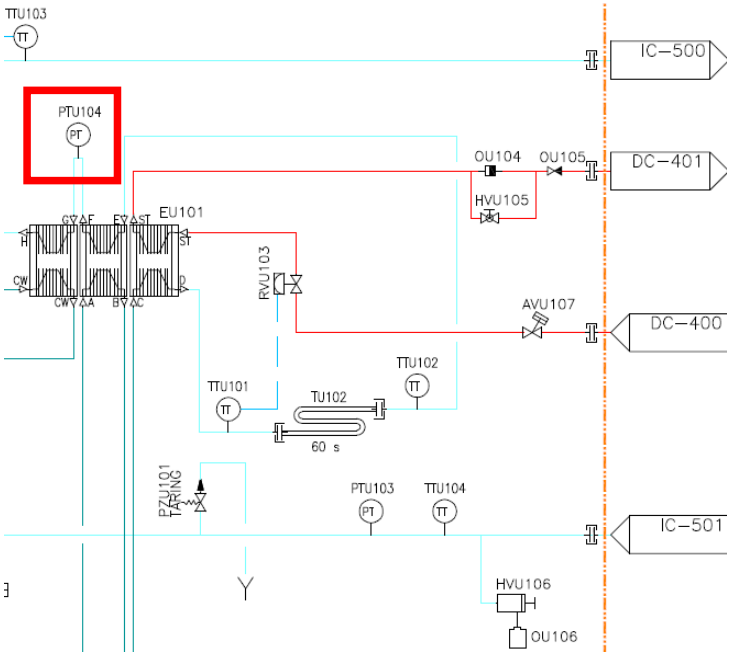
Cause

When the analog signal read from the plc card is out of range (0-27648).

Consequences

It's an Alarm, critical alarm action type.

Location



Corrective actions

_Check the status of the component;
_Replace the component;

FAULT 7209

Text
SW UNIT - LSU101M - Level anomaly

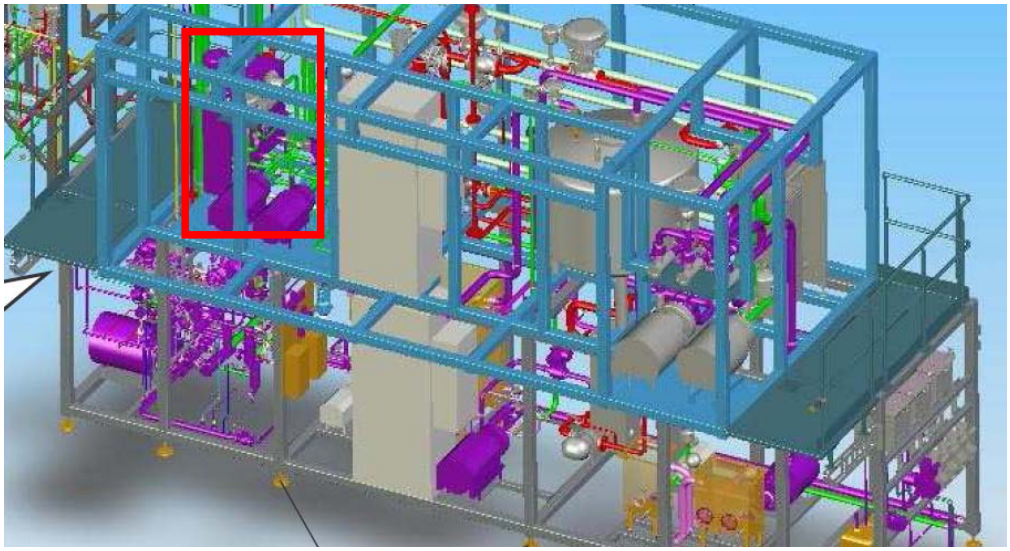
Cause

When the high level sensor of the SW tank read and the middle level of the SW tank don't read.

Consequences

It's an alarm, causes a SW sending cycle freeze.

Location



Corrective actions

_ See the status of the component;
_ Check the connection of the component;
_ Replace the component;

FAULT 7210

Text
SW UNIT - LSU101L - Level anomaly

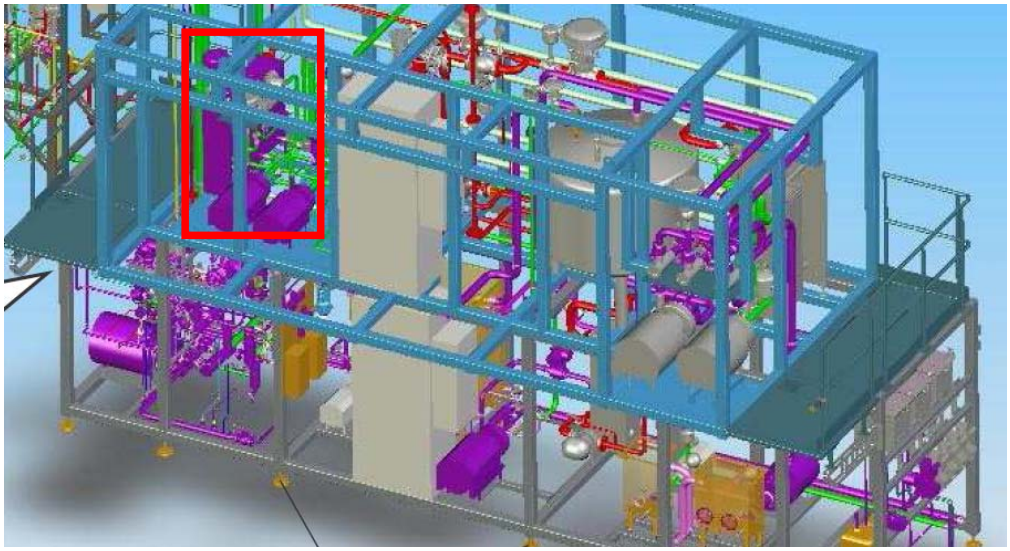
Cause

When the medium level sensor of the SW tank read and the low level sensor of the SW tank don't read.

Consequences

It's an alarm, causes a SW sending cycle freeze.

Location



Corrective actions

_ See the status of the component;
_ Check the connection of the component;
_ Replace the component;

FAULT 7211

Text
SW UNIT - PPU101 - Check pump display

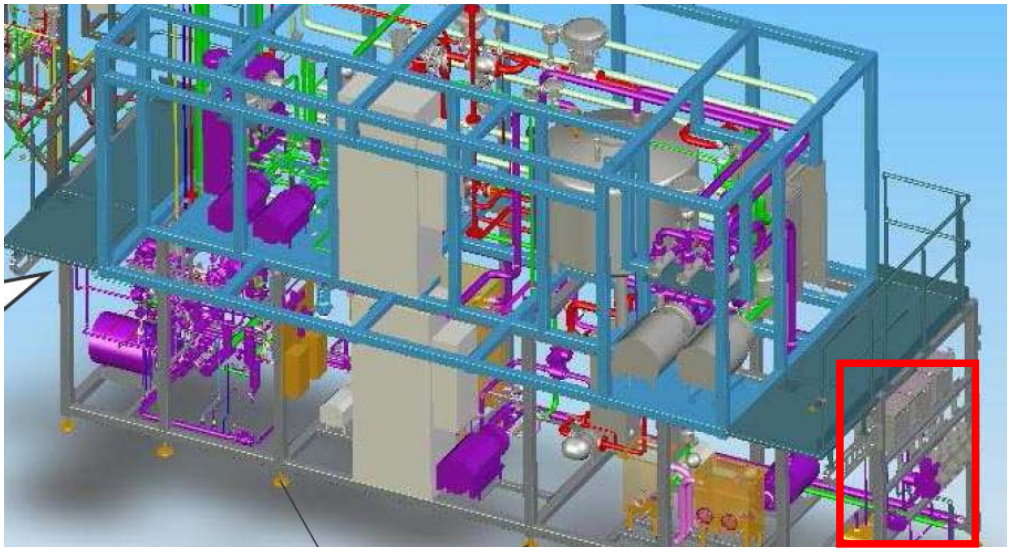
Cause

When don't arrives on the PLC card the Alarm set on pump display;

Consequences

It's an alarm, causes a SW acid preparation cycle stop.

Location



Corrective actions

_ See the component's display;
_ Take the datasheet of the component and check its type of alarm and its resolution;

FAULT 7212

Text
SW UNIT - TU101 - Low level

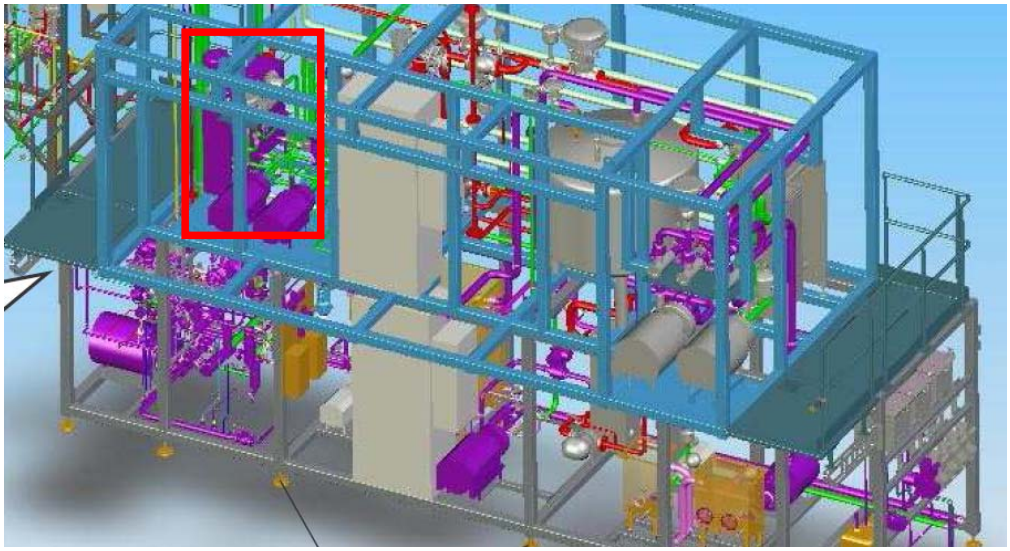
Cause

When during the production, the level of the SW tank go down under the medium level sensor for 2 seconds.

Consequences

It's an alarm, causes a SW sending cycle freeze.

Location



Corrective actions

_ Check the status of process water circuit;

FAULT 7213

Text
SW UNIT - TU101 - Filling timeout (water tank)

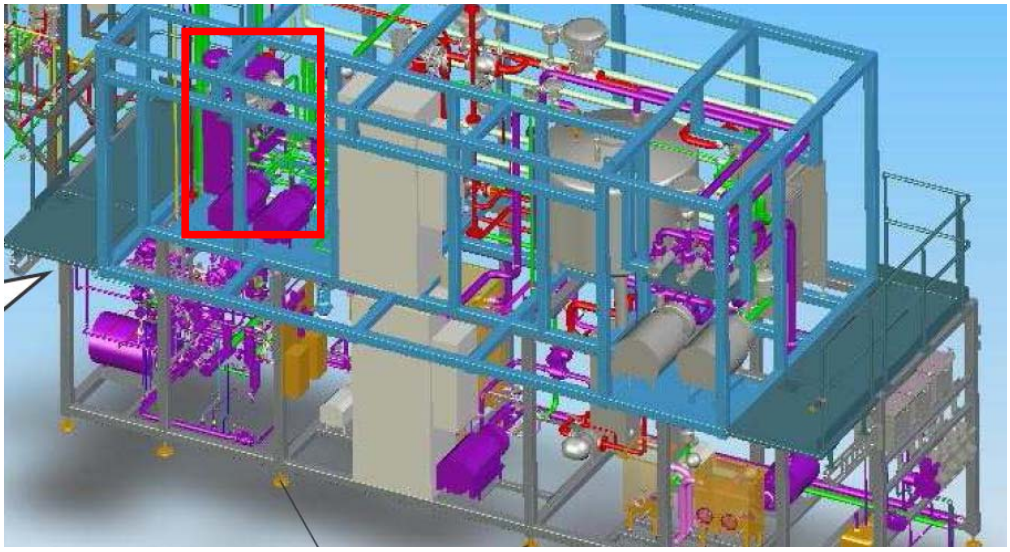
Cause

When the AVU102 valve is open and the level inside the SW tank don't increase up to high level tank sensor (time max for refilling is 3 min).

Consequences

It's an alarm, causes a SW sending cycle freeze.

Location



Corrective actions

_ Check the status of AVU102 valve;
_ Check the status of process water circuit;

FAULT 7214

Text
SW UNIT - TU101 - Empty (water tank)

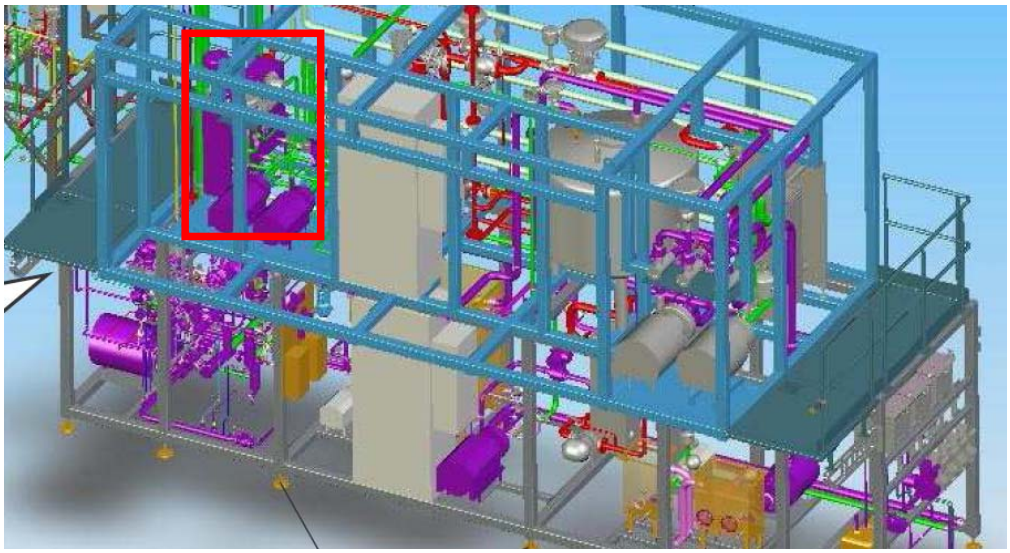
Cause

When during all cycle the SW tank is empty (nobody level sensor reading).

Consequences

It's an alarm, causes a SW general stop cycle.

Location



Corrective actions

_ Check the status of process water circuit;

FAULT 7218

Text
SW UNIT - PPU101 - Raw nitric acid not available

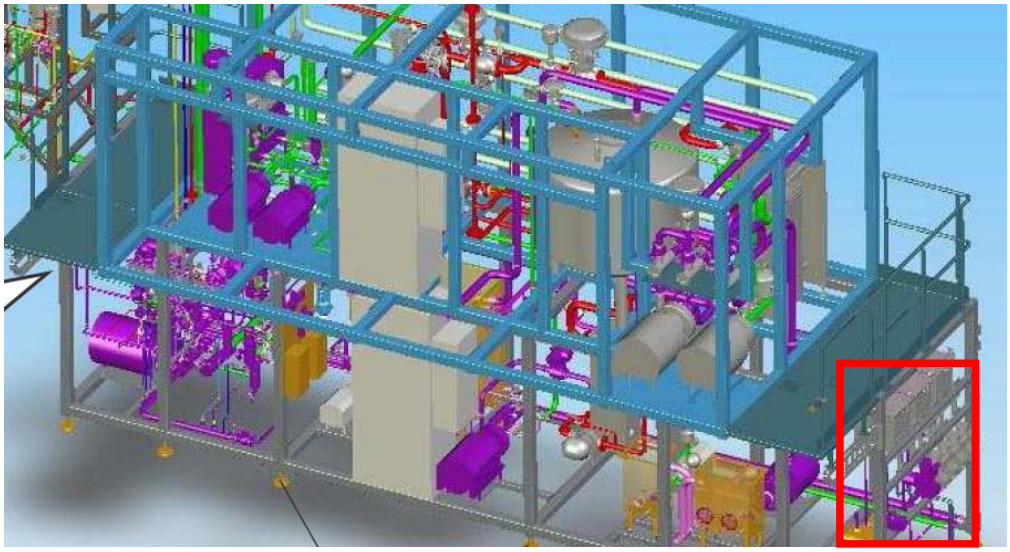
Cause

When don't arrive from the filler an acid raw tank available signal;

Consequences

It’s an alarm, causes a SW acid preparation cycle stop.

Location



Corrective actions

_ Check the raw acid tank level;

FAULT 7226

Text
SW UNIT - Cleaning - Timeout for acid addition

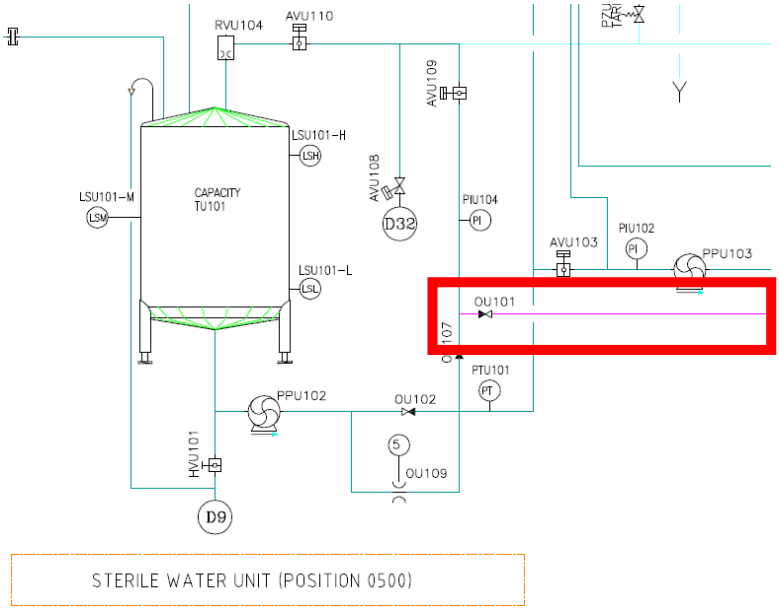
Cause

When the sterile water is in cleaning cycle, the acid addition is not sufficient for reach the acid concentration request in an estimated time.

Consequences

It's an Alarm, maintenance action type.

Location



Corrective actions

_ Check if the acid pump display;
_ Check the status of acid line;

FAULT 7249

Text
SW UNIT - FTU101 - High flowrate - Sterility lost

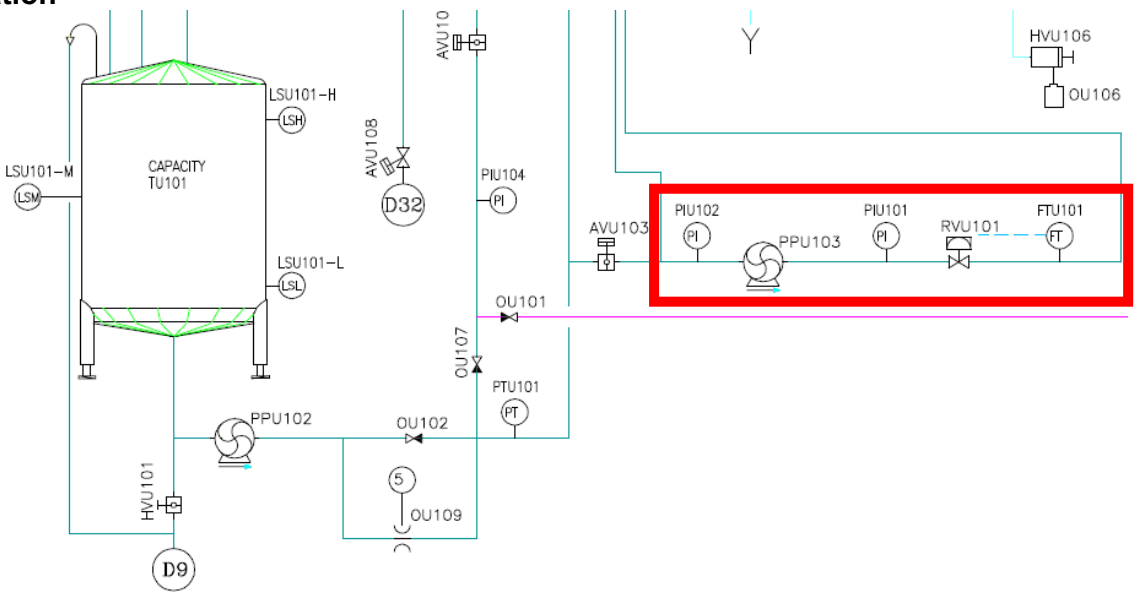
Cause

When the sterile water is in sterile production cycle, the flow read from the flow transmitter (FTU101) is higher that the sterile water production maximum set-point flow.

Consequences

It's an Alarm, sterile water process sterility lost action type.

Location



Corrective actions

_ Check the status of the flow meter FTU101;
_ Check if there is some leakage in sterile water circuit;
_ Check the setting of RVU101 PID;
_ Verify the opening range of RVU101;

FAULT 7250

Text
SW UNIT - TTU101/TTU102 - Low temperature - Sterility lost

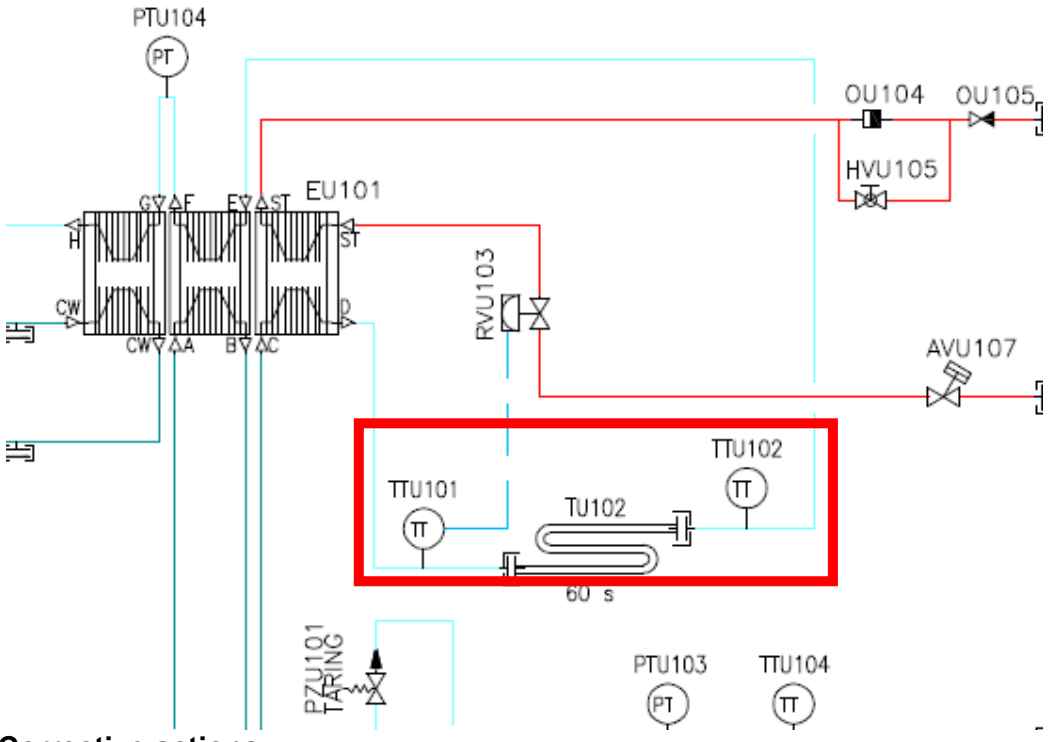
Cause

One or more loop's temperature probe is lower than the production minimum temperature set-point.

Consequences

It's an Alarm, sterile water process sterility lost action type.

Location



Corrective actions

_ Check the status of steam circuit (Modulating valve, steam supply, heat exchanger);
_ Check the setting of sterile water modulating valve heating PID;

FAULT 7251

Text
SW UNIT - PTU104-PTU101 - Low press. diff. - Sterility lost

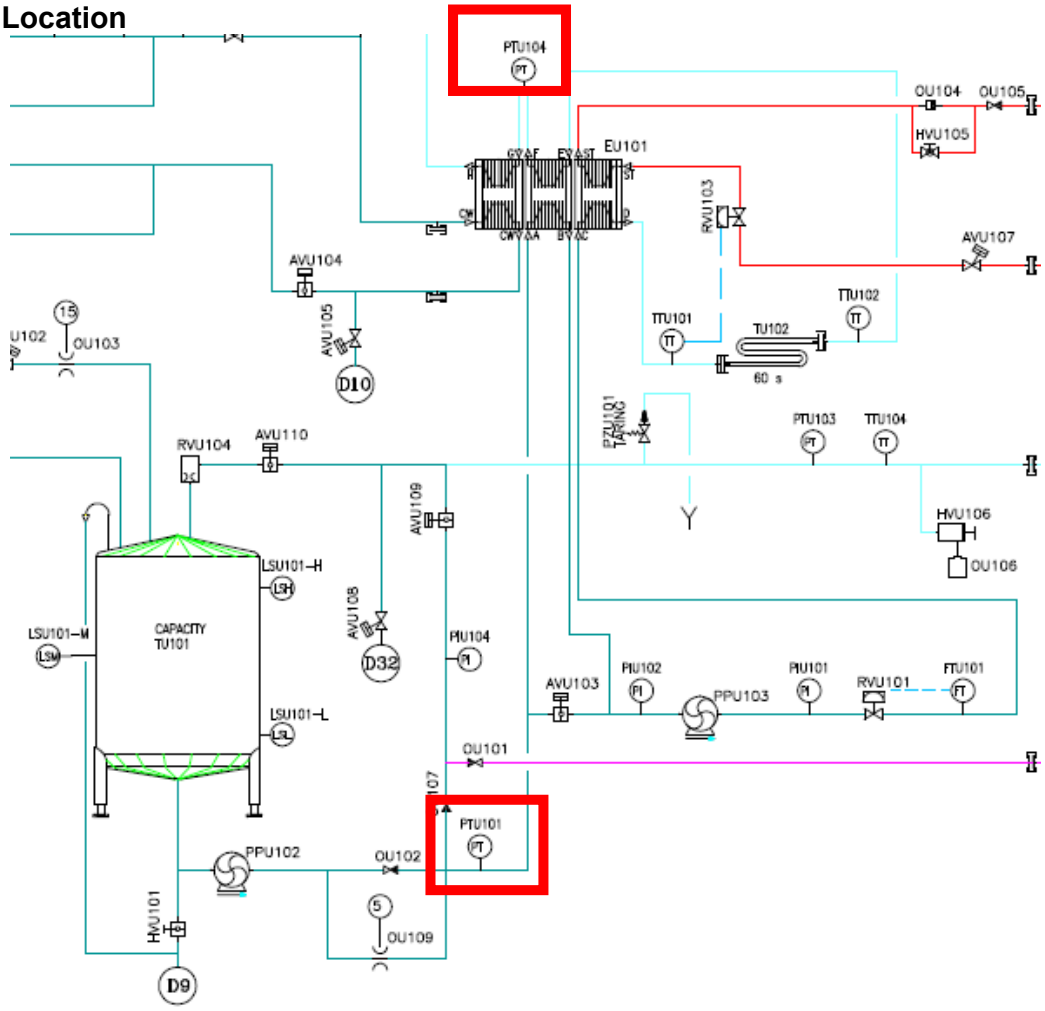
Cause

When the pressure read from PTU104 is less that the pressure read from PTU101.

Consequences

It's an Alarm, sterile water process sterility lost action type.

Location



Corrective actions

_ Check the status of the exchanger;
_ Check the pressure of cooling water;

FAULT 7252

Text
SW UNIT - PTU103-PTU102 - Low press. diff. - Sterility lost

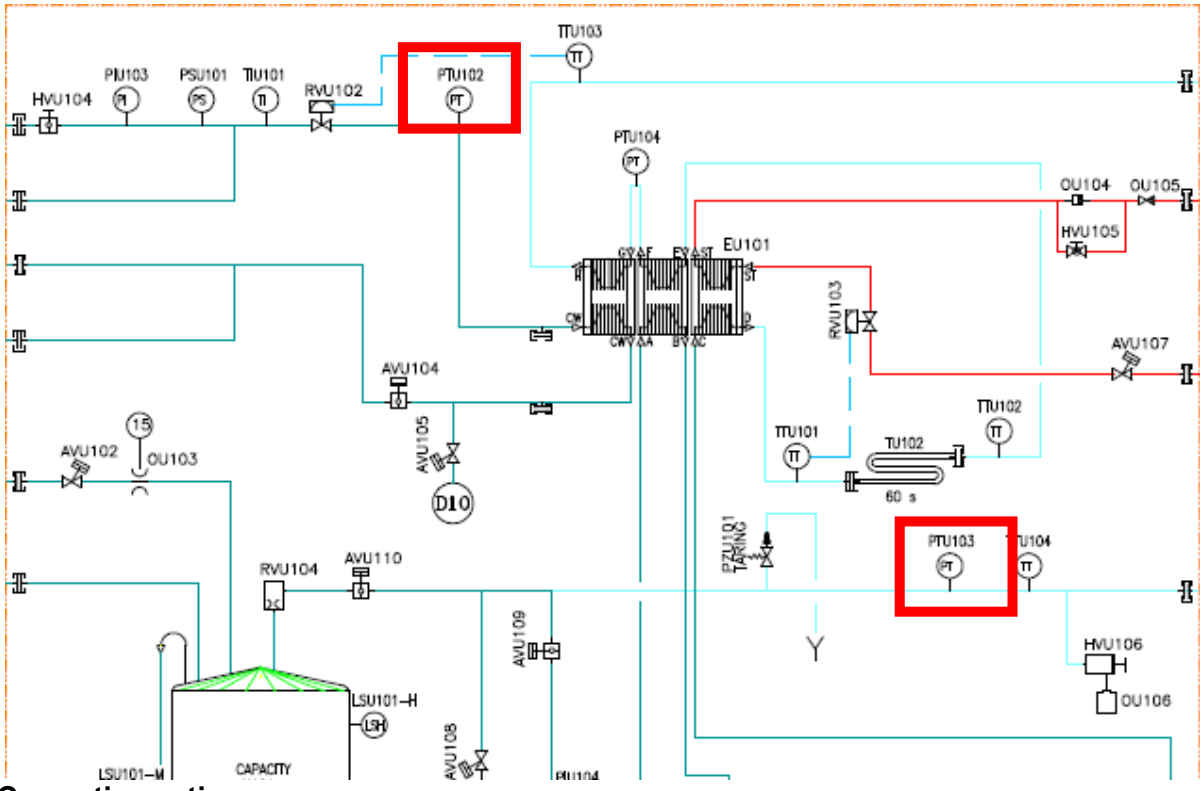
Cause

When the pressure read from PTU103 is less that the pressure read from PTU102.

Consequences

It's an Alarm, sterile water process sterility lost action type.

Location



Corrective actions

_ Check the status of the exchanger;
_ Check the pressure of cooling water;

FAULT 7253

Text
SW UNIT - PTU103 - Low pressure - Sterility lost

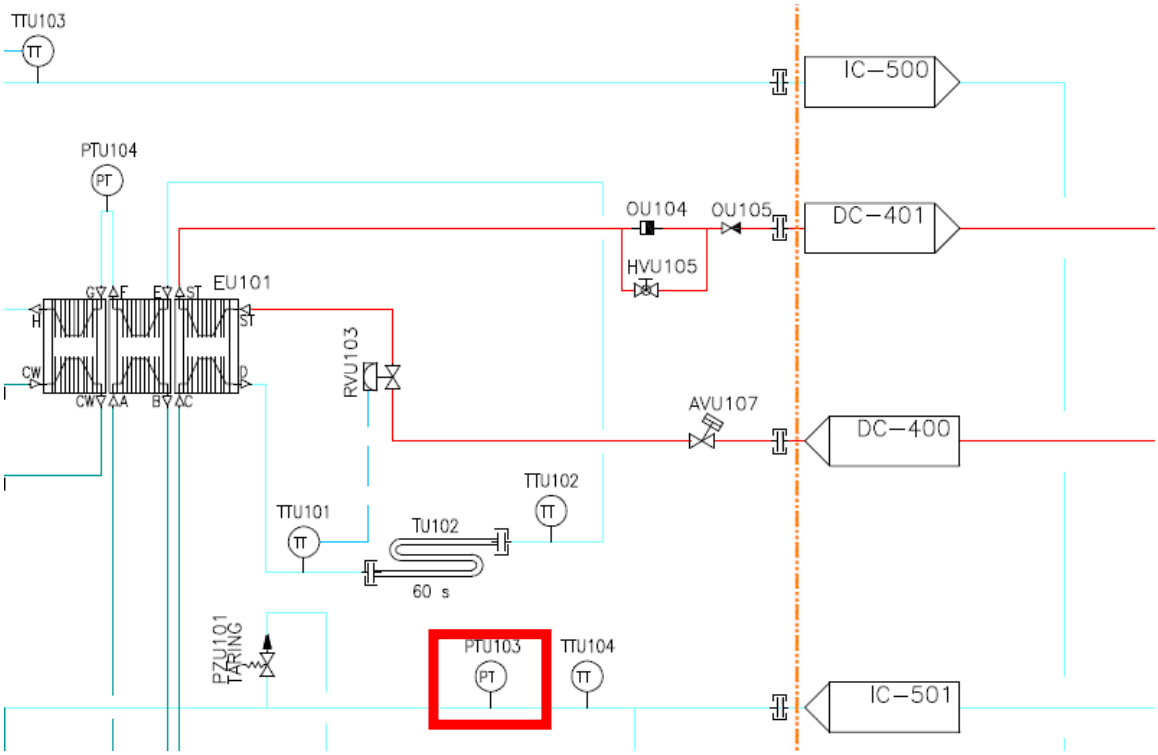
Cause

When the read of PTU103 is lower than the production minimum pressure set-point..

Consequences

It’s an Alarm, sterile water process sterility lost action type.

Location



Corrective actions

_ Check the status of the exchanger;
_ Check if there isn't leakage on sterile water loop.

FAULT 7264

Text
SW UNIT - FTU101 - Alarm flowrate too low

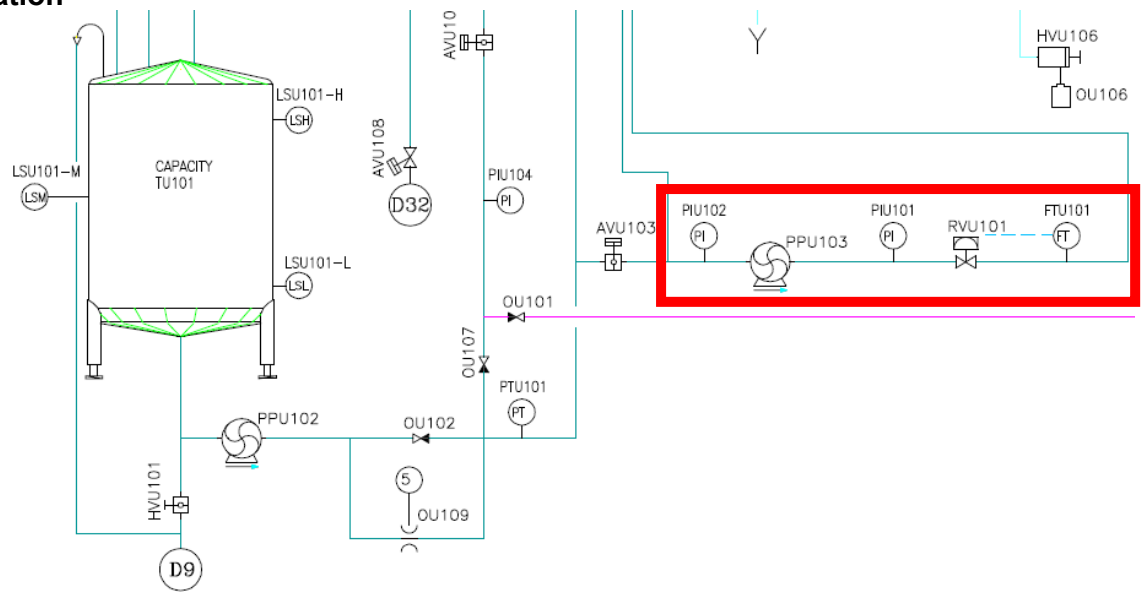
Cause

When the sterile water is in sterile production cycle, the flow read from the flow transmitter (FTU101) is lower that the sterile water production minimum set-point flow.

Consequences

It's an Alarm, sterile water critical alarm action type.

Location



Corrective actions

_ Check the status of the flow meter FTU101;
_ Check if there is some leakage in sterile water circuit;
_ Check the setting of RVU101 PID;
_ Verify the opening range of RVU101;

FAULT 7264

Text
SW UNIT - FTU101 - Alarm flowrate too low

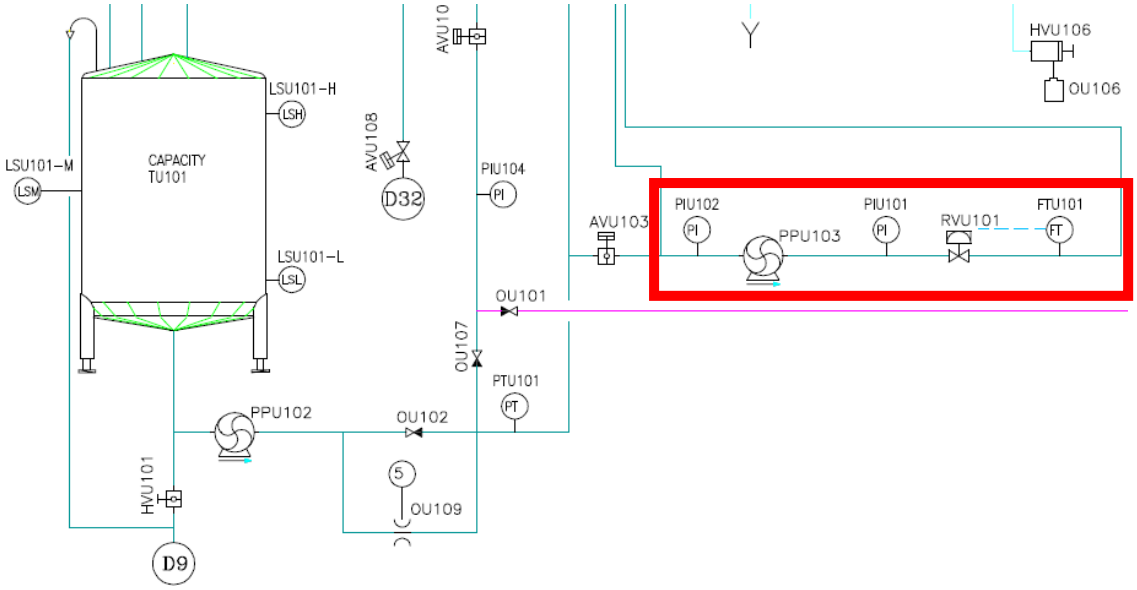
Cause

When the sterile water is in sterile production cycle, the flow read from the flow transmitter (FTU101) is lower that the sterile water production minimun set-point flow.

Consequences

It's an Alarm, sterile water critical alarm action type.

Location



Corrective actions

_ Check the status of the flow meter FTU101;
_ Check if there is some leakage in sterile water circuit;
_ Check the setting of RVU101 PID;
_ Verify the opening range of RVU101;

FAULT 7265

Text
SW UNIT - TU101 - Empty (water tank)

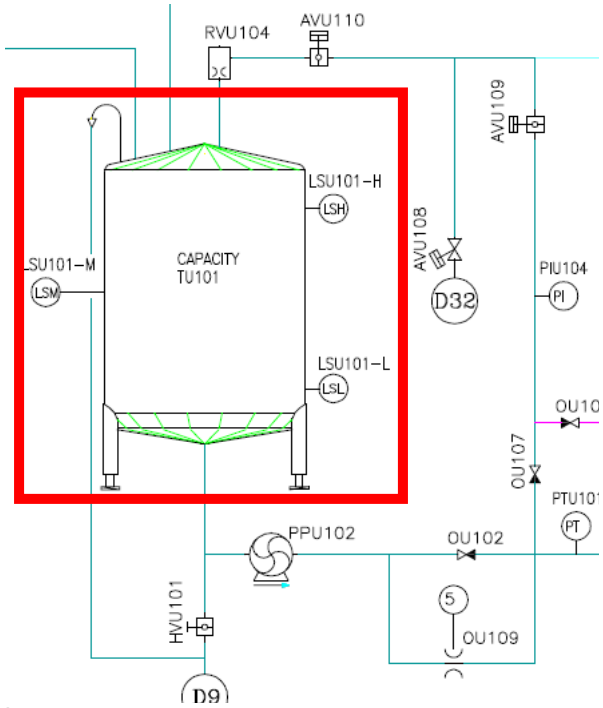
Cause

When the all tank level sensors are not engaged.

Consequences

It’s an Alarm, sterile water critical alarm action type.

Location



Corrective actions

_Check the status of the level sensors;
_Check the pressure of process water;

FAULT 7269

Text
SW UNIT - TTU103 - Max safety temperature

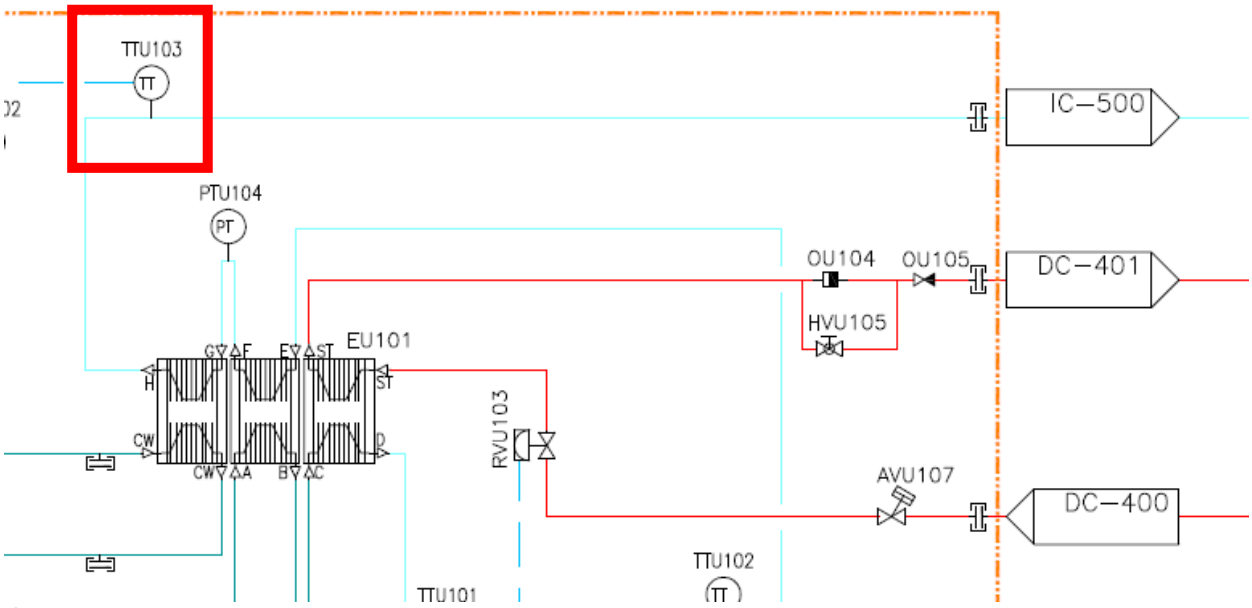
Cause

When the temperature read from the TTU103 is greater then 80° C.

Consequences

It's an Alarm, sterile water critical alarm action type.

Location



Corrective actions

_ Check the status of steam circuit (Modulating valve, steam supply, heat exchanger);
_ Check the setting of sterile water modulating valve heating PID;

FAULT 7272

Text
SW UNIT - Start cycle not possible for valve open on loop

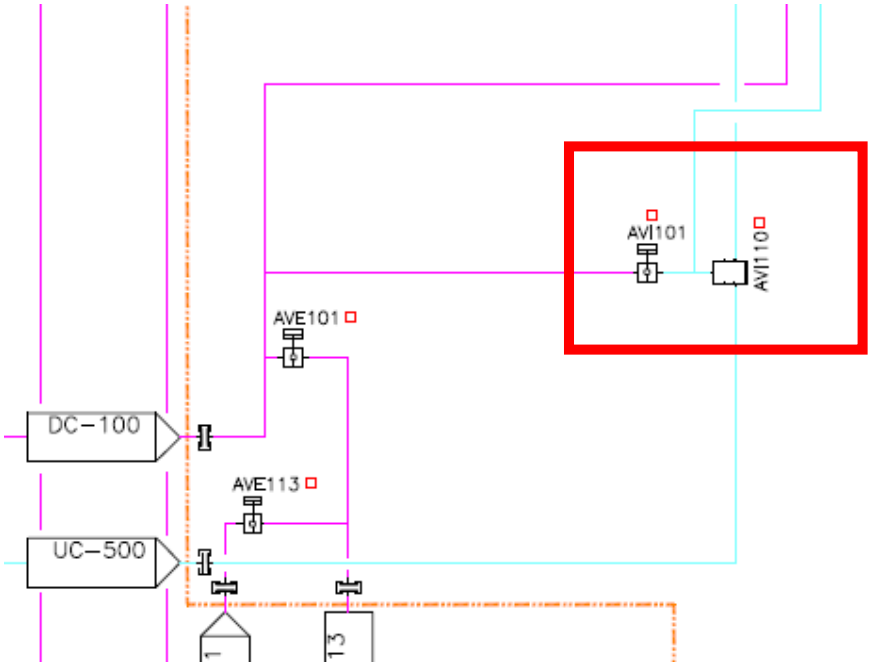
Cause

When the operator want to start a cycle and this is not possible due an open valves on sterile water loop (filler side).

Consequences

It's an Alarm, sterile water general freeze action type.

Location



Corrective actions

_ Check the status of AVI101 and AVI110;

FAULT 7277

Text
SW UNIT - PTU102 - PTU104 - Alarm max Delta Pressure

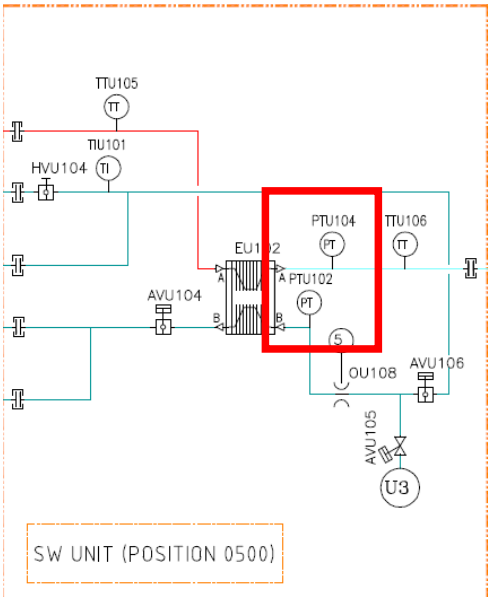
Cause

When the delta of pressure from PTU102 to PTU104 is greater than the maximum value of delta pressure parameter

Consequences

It’s an Alarm, process sterility lost action type.

Location



Corrective actions

_Check the status of the components;
_Check if there aren't leakages on the exchanger;
_Check the status of cooling water circuit;

FAULT 7279

Text
SW UNIT - TTU105 - Min Inlet Temperature

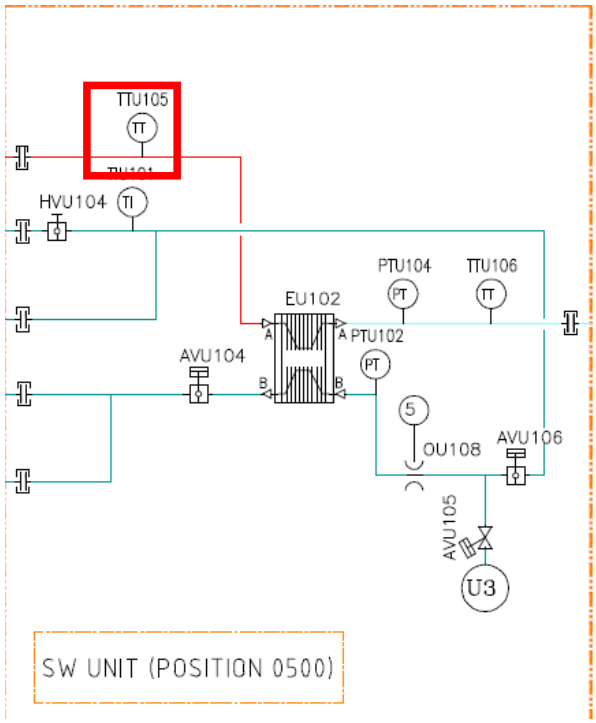
Cause

When the temperature read from the PT100 TTU105 is lower that the minimum inlet temperature parameter.

Consequences

It's an alarm, maintenance action type.

Location



Corrective actions

_Check the status of steam circuit;

FAULT 7281

Text
SW UNIT - PTU104 - Max Exit Pressure

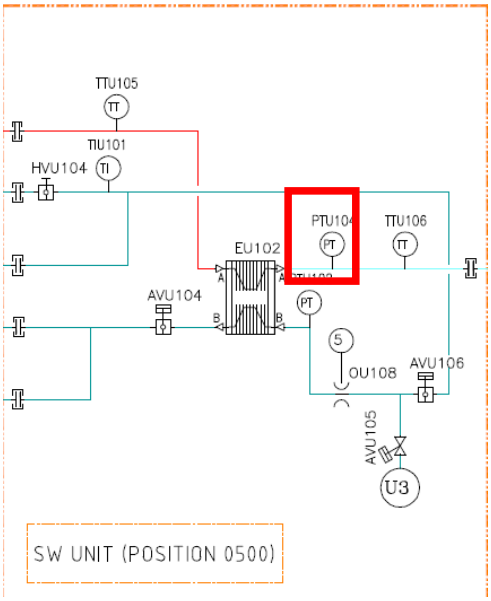
Cause

When the pressure read from PTU104 is greater than the maximum value of exit pressure set-point parameter.

Consequences

It's an Alarm, critical alarm action type.

Location



Corrective actions

_Check the status of the components;
_Check if there aren't leakages on the exchanger;
_Check the pressure regulator on steam circuit;

FAULT 7284

Text
SW UNIT - TTU106 - Max Outlet Temperature

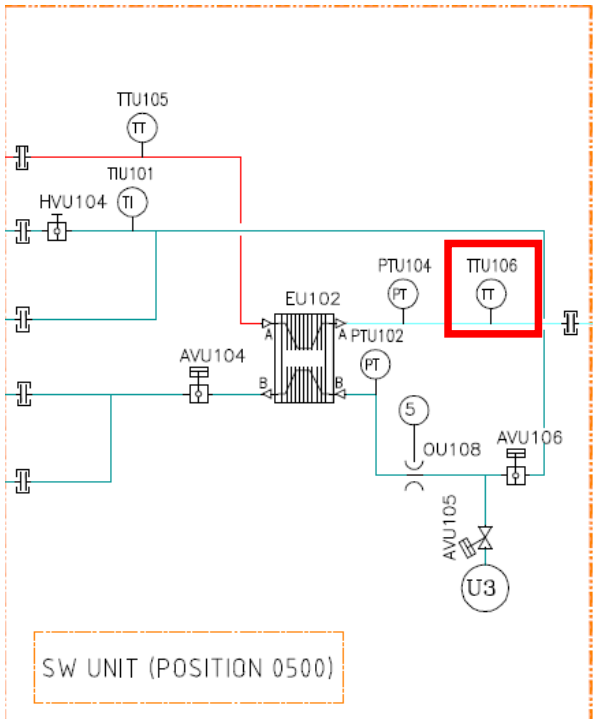
Cause

When the temperature read from the PT100 TTU106 is greater that the maximum outlet temperature parameter.

Consequences

It's an alarm, causes a SW sending cycle stop.

Location



Corrective actions

_Check the status of steam circuit;

FAULT 7286

Text
SW UNIT - TTU106 - Min Outlet Temperature

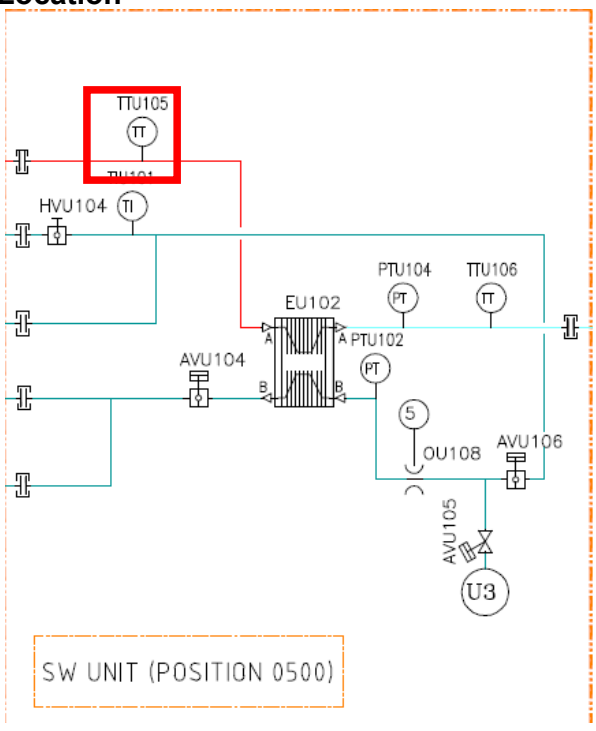
Cause

When the temperature read from the PT100 TTU106 is lower that the minimum outlet temperature parameter.

Consequences

It's an alarm, causes a SW sending cycle stop.

Location



Corrective actions

_Check the status of steam circuit;

FAULT 7288

Text
SW UNIT - PTU102 - Max Cooling water Pressure

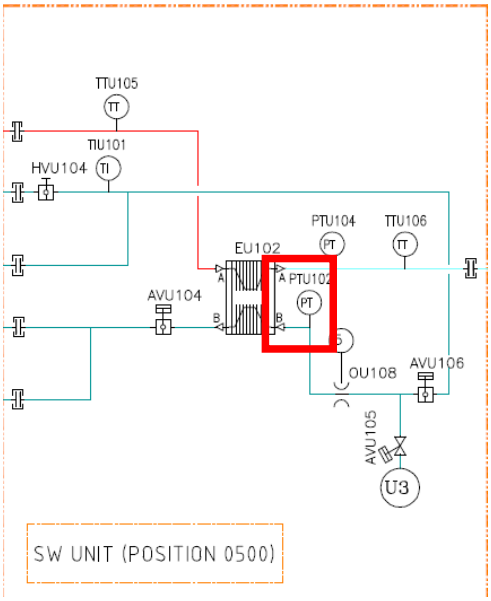
Cause

When the pressure read from PTU102 is greater than the maximum value of cooling water pressure set-point parameter.

Consequences

It's an Alarm, critical alarm action type.

Location



Corrective actions

_Check the status of the components;
_Check the pressure of cooling water circuit;

FAULT 7290

Text
SW UNIT - PTU102 - Min Cooling water Pressure

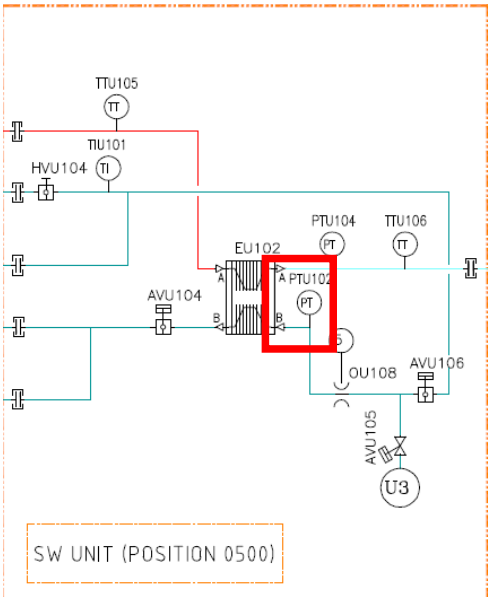
Cause

When the pressure read from PTU102 is lower than the minimum value of cooling water pressure set-point parameter.

Consequences

It's an alarm, causes a SW sending cycle stop.

Location



Corrective actions

_Check the status of the components;
_Check the pressure of cooling water circuit;

FAULT 7291

Text
SW UNIT - Sterile Condenser - Sterility Lost

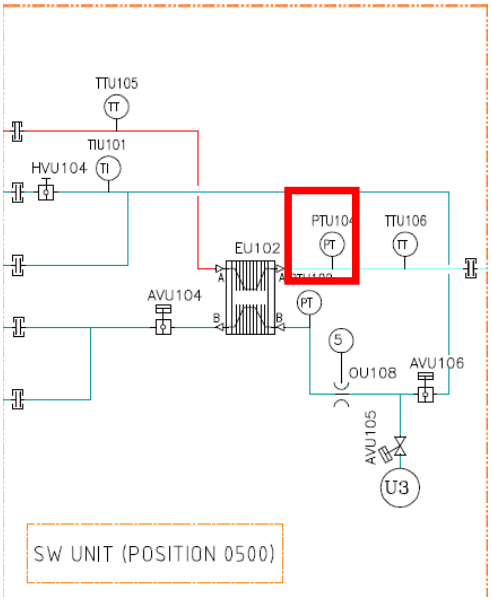
Cause

When the pressure read from PTU104 is less than 0 bar for a established time.

Consequences

It’s an Alarm, causes a SW sterility lost process.

Location



Corrective actions

_Check the status of the components;
_Check if there aren't leakages on the exchanger;
_Check the status of steam circuit;

The Sidel Group is formed by the union of two strong brands, Sidel and Gebo Cermex. Together, we are a leading provider of equipment and services for packaging liquid, food, home and personal care products in PET, can, glass and other materials.

With over 37,000 machines installed in more than 190 countries, we have nearly 170 years of experience, with a strong focus on advanced systems, line engineering and innovation. Our 5,000+ employees worldwide are passionate about providing complete solutions that fulfil customer needs and boost the **performance** of their lines, products and businesses.

Delivering this level of performance requires that we continuously **understand** our customers' challenges and commit to meeting their unique goals. We do this through dialogue, and by understanding the needs of their markets, production and value chains. We complement this by applying our strong technical knowledge and smart data analytics to support maximum lifetime productivity to its full potential.

We call it **Performance through Understanding.**

Performance through Understanding

Sidel