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	For Information
	For Review
✓	For Approval
	For Construction
	AS BUILT

**OWNER:**



NUR  
power

## **OWNER'S ENGINEER:**



**NUR**  
power

**NUR ENERGY SERVICES  
SDN BHD**



JACOBS ENGINEERING  
GROUP SDN BHD



## TNB REPAIR AND MAINTENANCE SDN BHD

EPC CONSORTIUM



JURONG ENGINEERING LIMITED



EQUATOR ENGINEERING SDN.  
BHD.

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**PROJECT:**

# **130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK (“PROJECT AURORA”)**

**TITLE:**

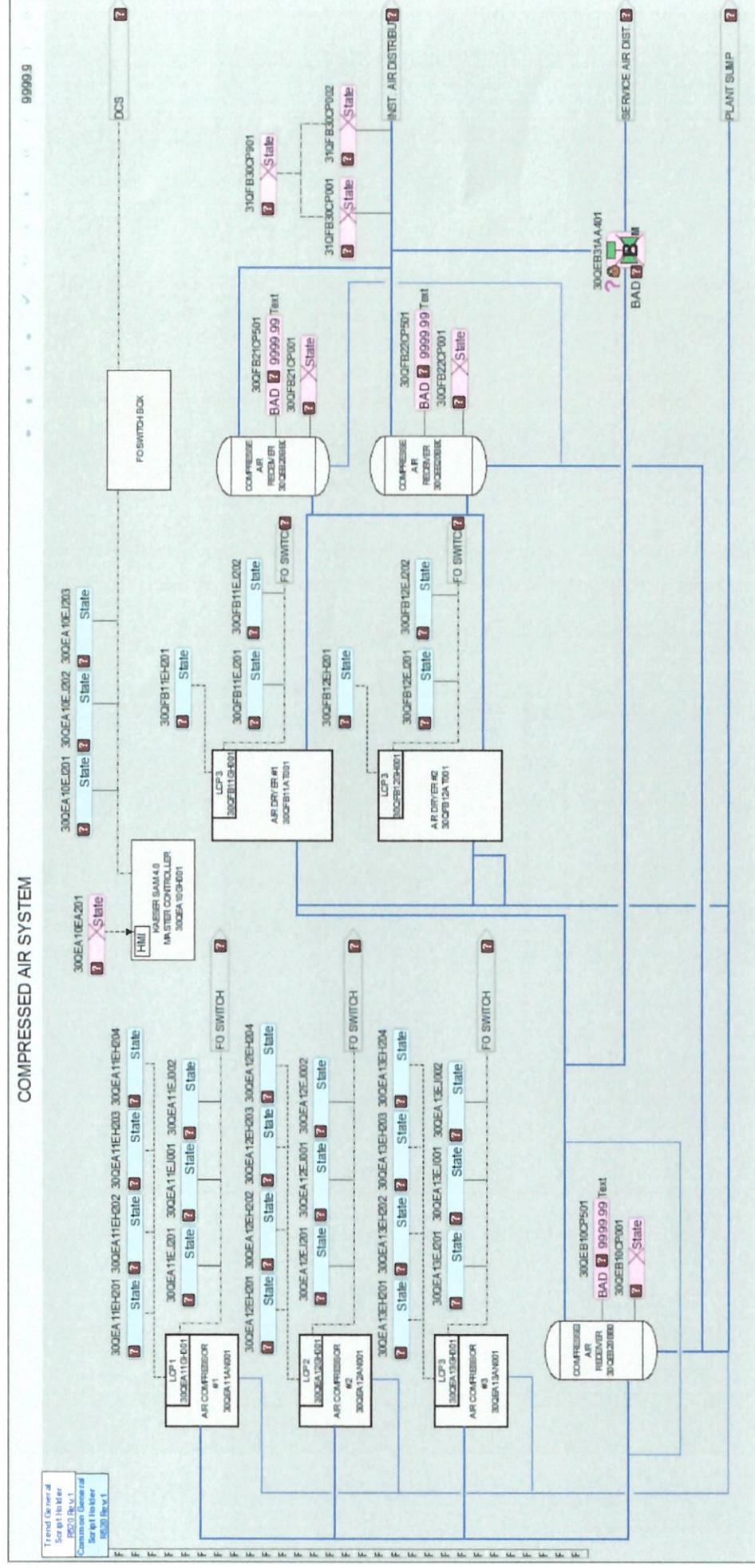
DCS HMI GRAPHICS DISPLAY

<b>Honeywell</b>	JOB NO. <b>20064</b>	SHT NO. <b>1/37</b>
	PROJECT DOCUMENT NO. <b>MYP-000311-JEL-INC-DWG-0004</b>	REV.NO <b>A</b>

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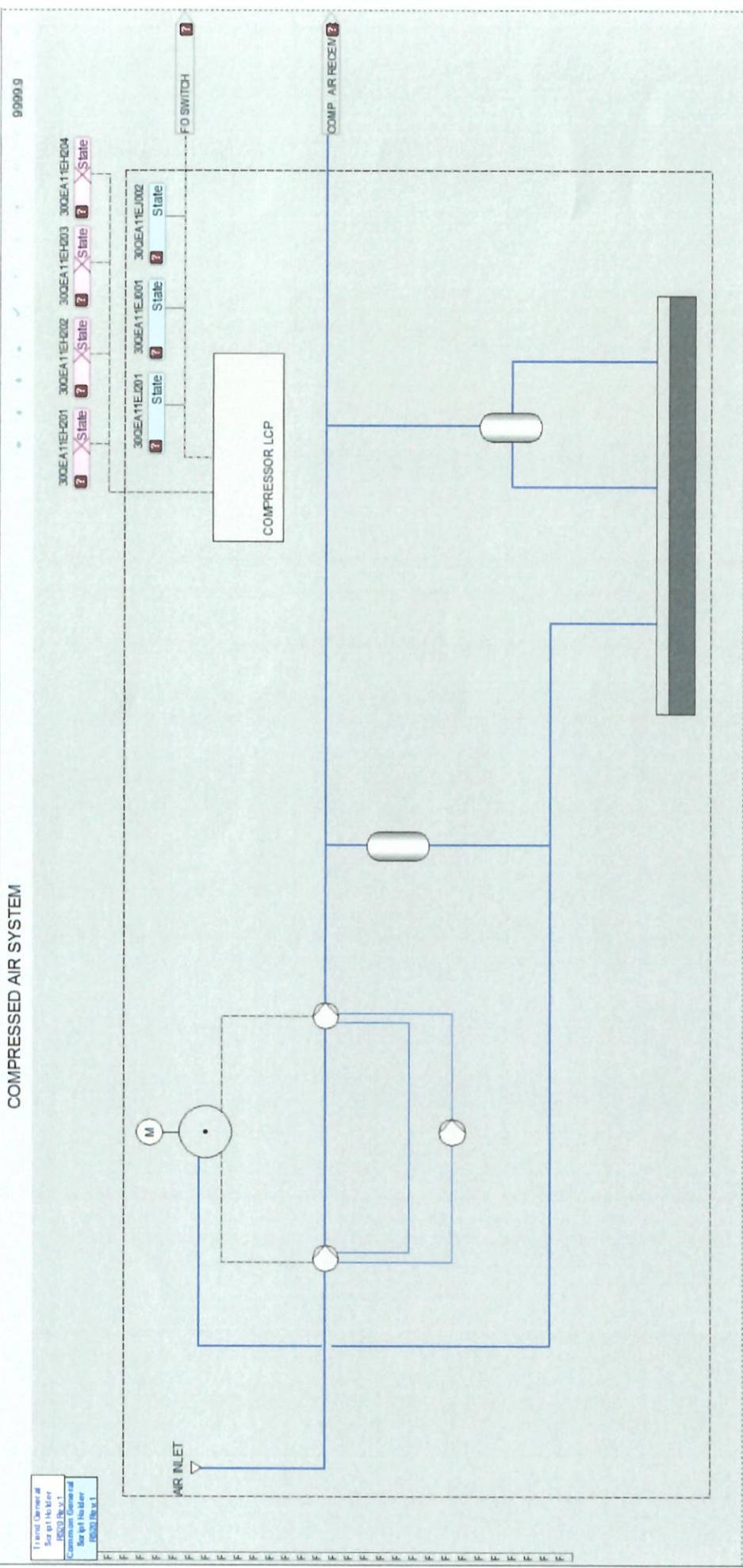
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1. BOP
  - 1.1 COMPRESS AIR SYSTEM
    - 1.1.1 COMPRESS AIR SYSTEM (1 OF 3) (JEL-AURORA-MEC-001 1)



### **1.1.2 COMPRESS AIR SYSTEM (2 OF 3) (JEL-AURORA-MEC-001\_2)**

## COMPRESSED AIR SYSTEM



Common Ground  
Sue in the Mirror  
Helen Keller  
Linda Greenlaw

666

300EA11EH-201 ? ~~State~~ ? 300EA11EH-202 ? ~~State~~ ? 300EA11EH-203 ? ~~State~~ ? 300EA11EH-204 ? ~~State~~ ?

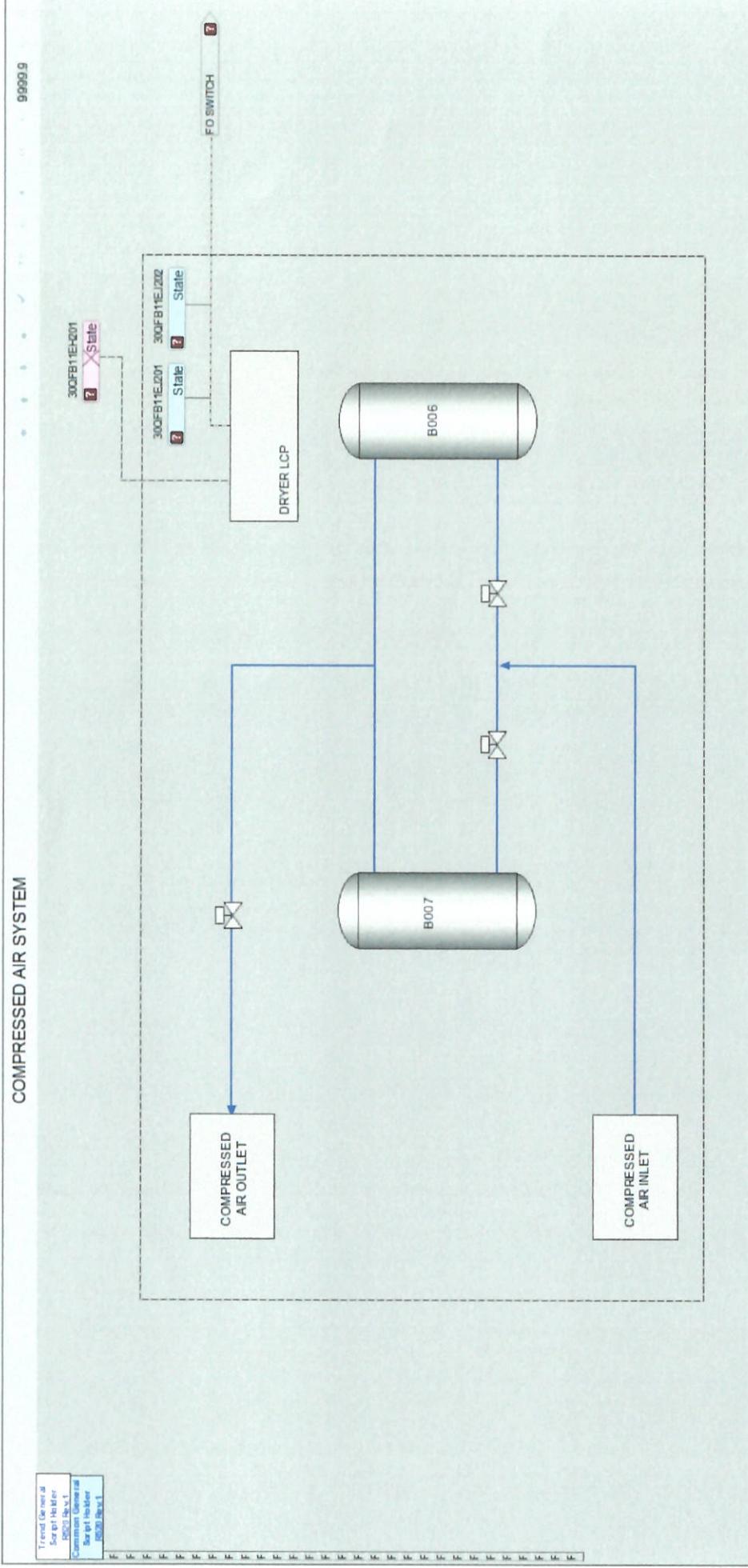
7

COMP AIR REDEM?

A diagram showing a large rectangle with a smaller rectangle cut out of its left side. A vertical line is drawn to the right of the large rectangle, and a horizontal line extends from the top edge of the large rectangle to the vertical line.

FAT COPY

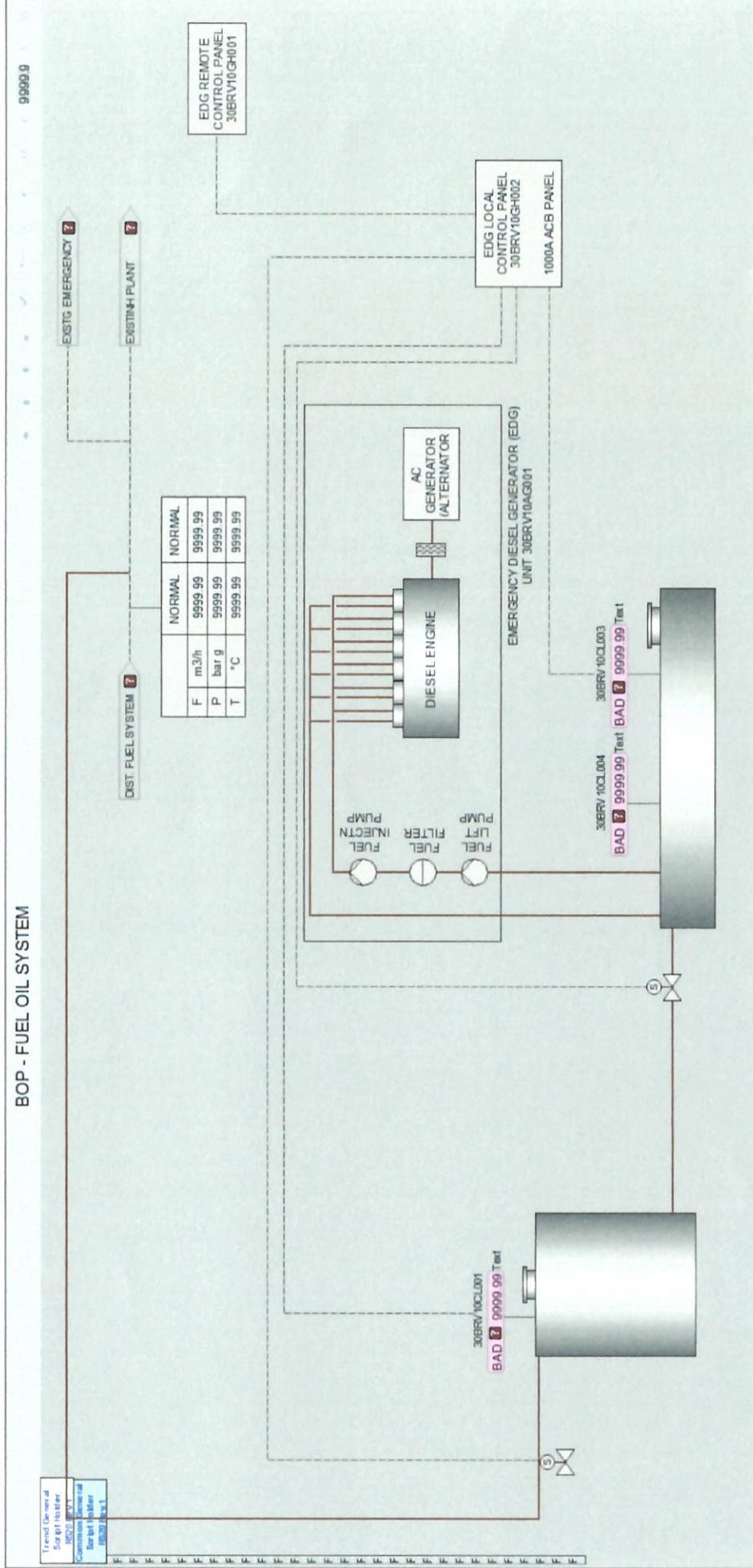
### 1.1.3 COMPRESS AIR SYSTEM (3 OF 3) (JEL-AURORA-MEC-001\_3)



## 1.2 FUEL OIL

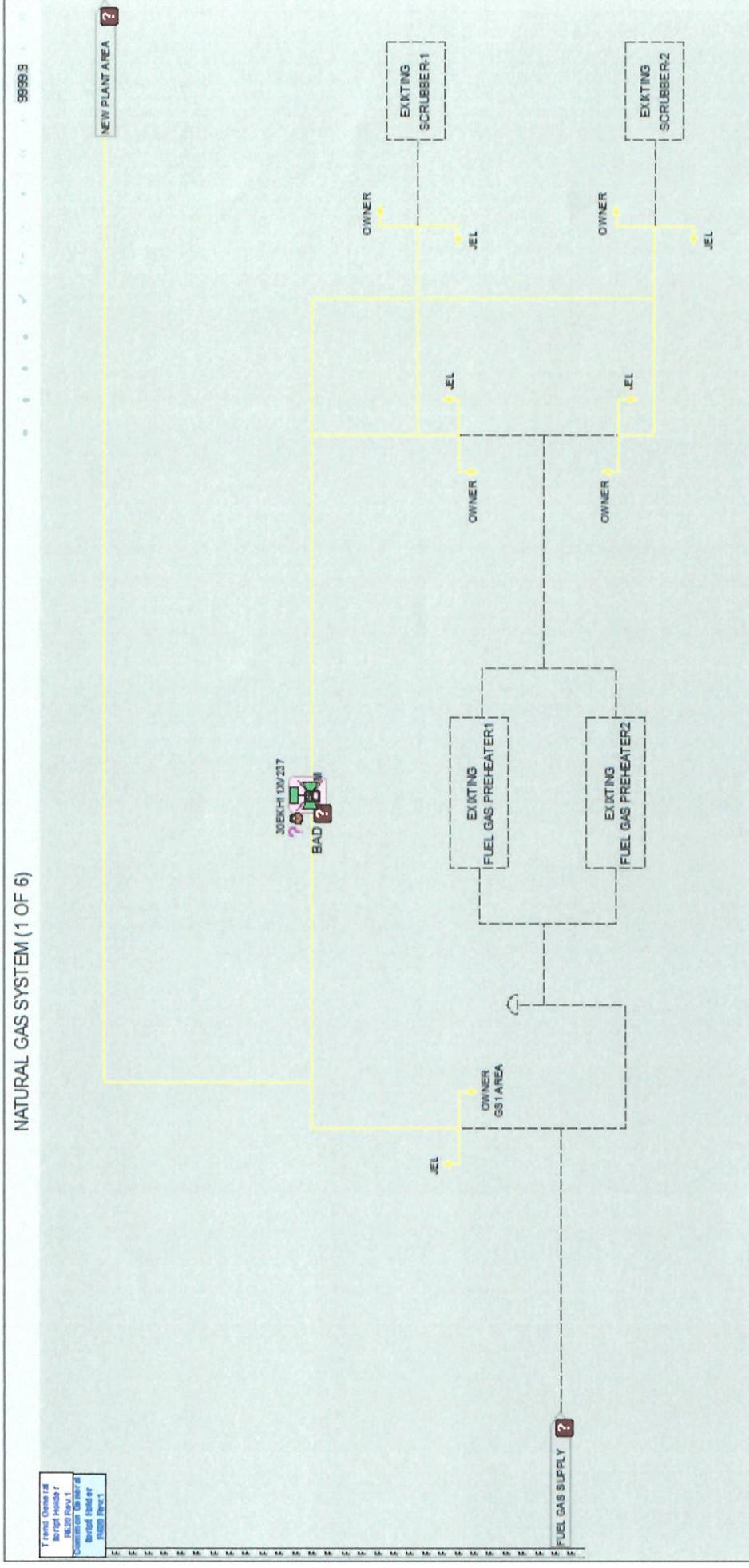
## 1.2 FUEL OIL

### 1.2.1. FUEL OIL SYSTEM (PAUR\_30EG\_M4005)



### 1.3 NATURAL GAS

#### 1.3.1 NATURAL GAS SYSTEM (1 OF 6) (PAUR\_30EK\_M4001\_1)



## 1.3.2 NATURAL GAS SYSTEM (2 OF 6) (PAUR\_30EK\_M4001\_2)

## NATURAL GAS SYSTEM (2 OF 6)

9999.9

Trend Device 718  
Burgard Holder 1  
PLC20 Rev. 1  
Communication Unit  
Burgard Holder  
PLC20 Rev. 1

30EK\_A10CP01

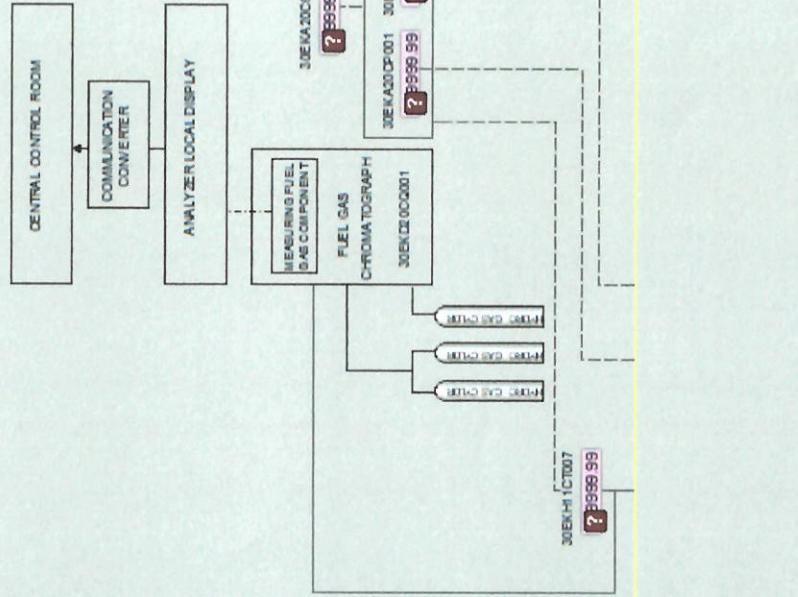
?

30EK\_H1CT007  
?

30EK\_A10AA01  
?

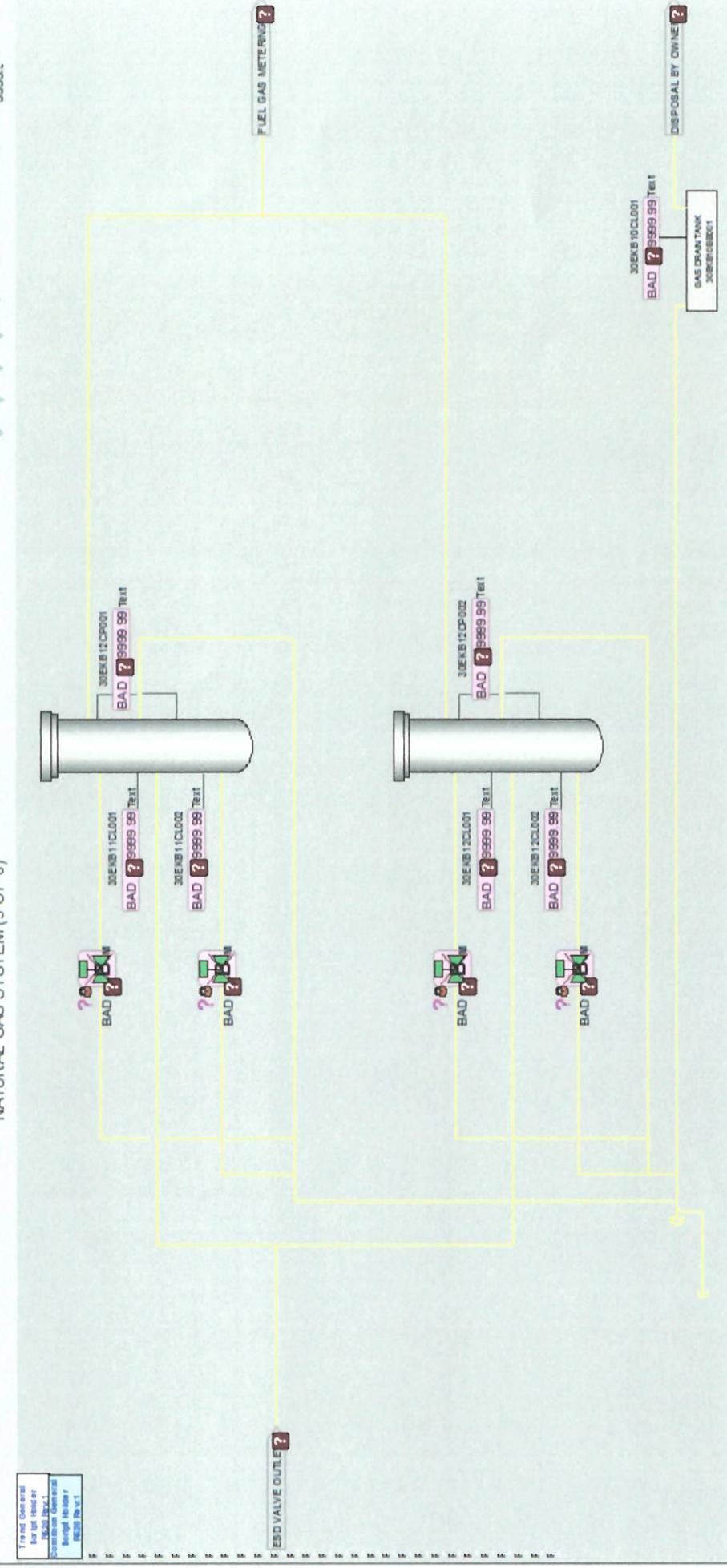
BAD

FUEL GAS SUPPLY



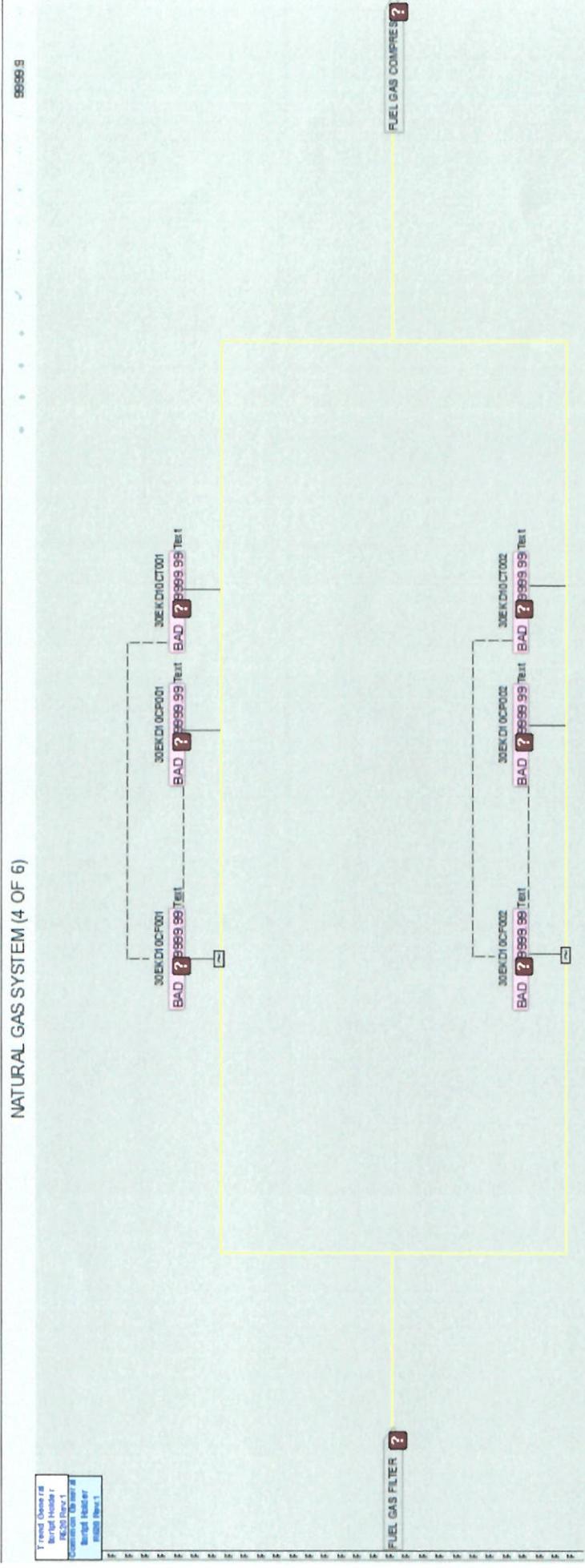
### 1.3.3 NATURAL GAS SYSTEM (3 OF 6) (PAUR\_30EK\_M4001\_3)

NATURAL GAS SYSTEM (3 OF 6)

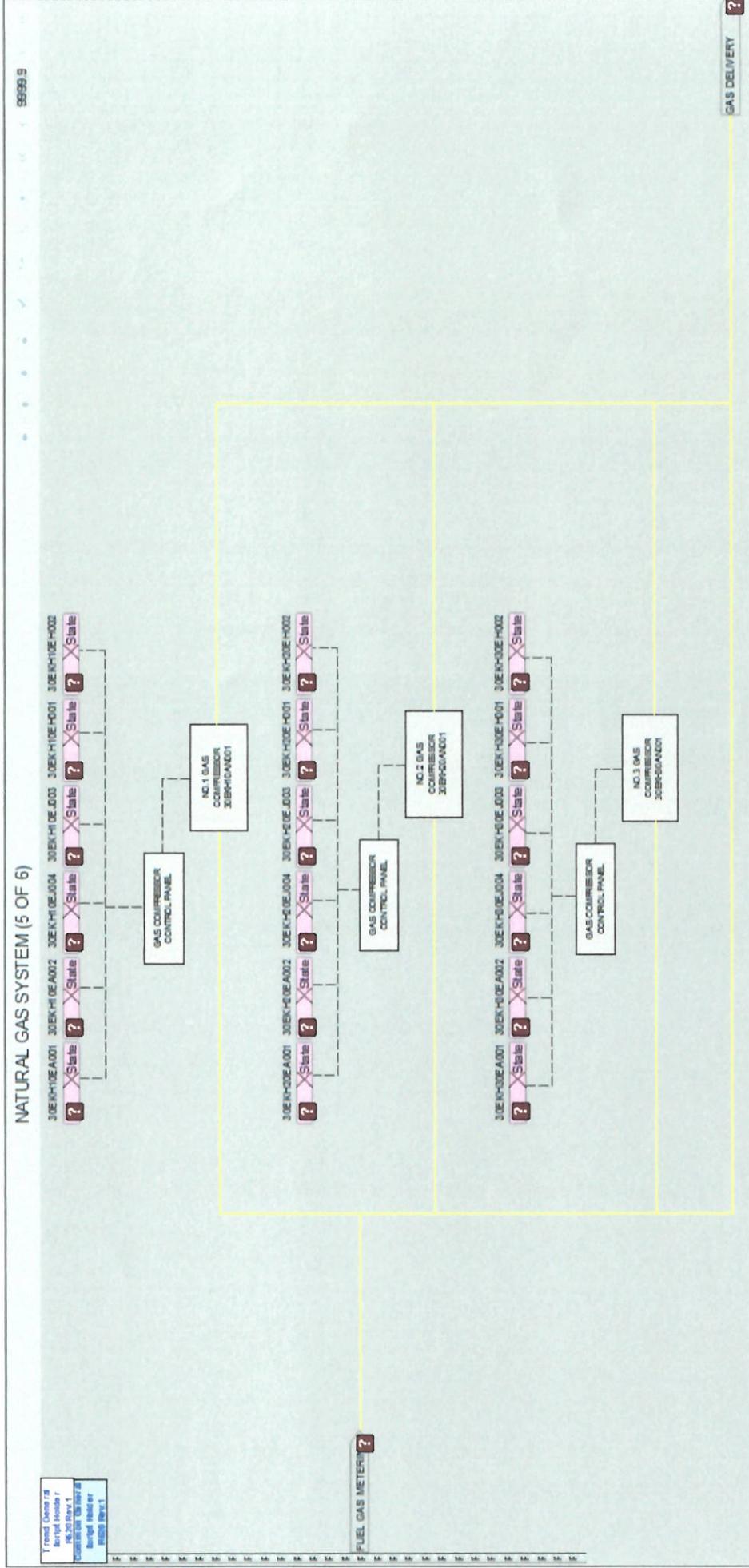


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## 1.3.4 NATURAL GAS SYSTEM (4 OF 6) (PAUR\_30EK\_M4001\_4)

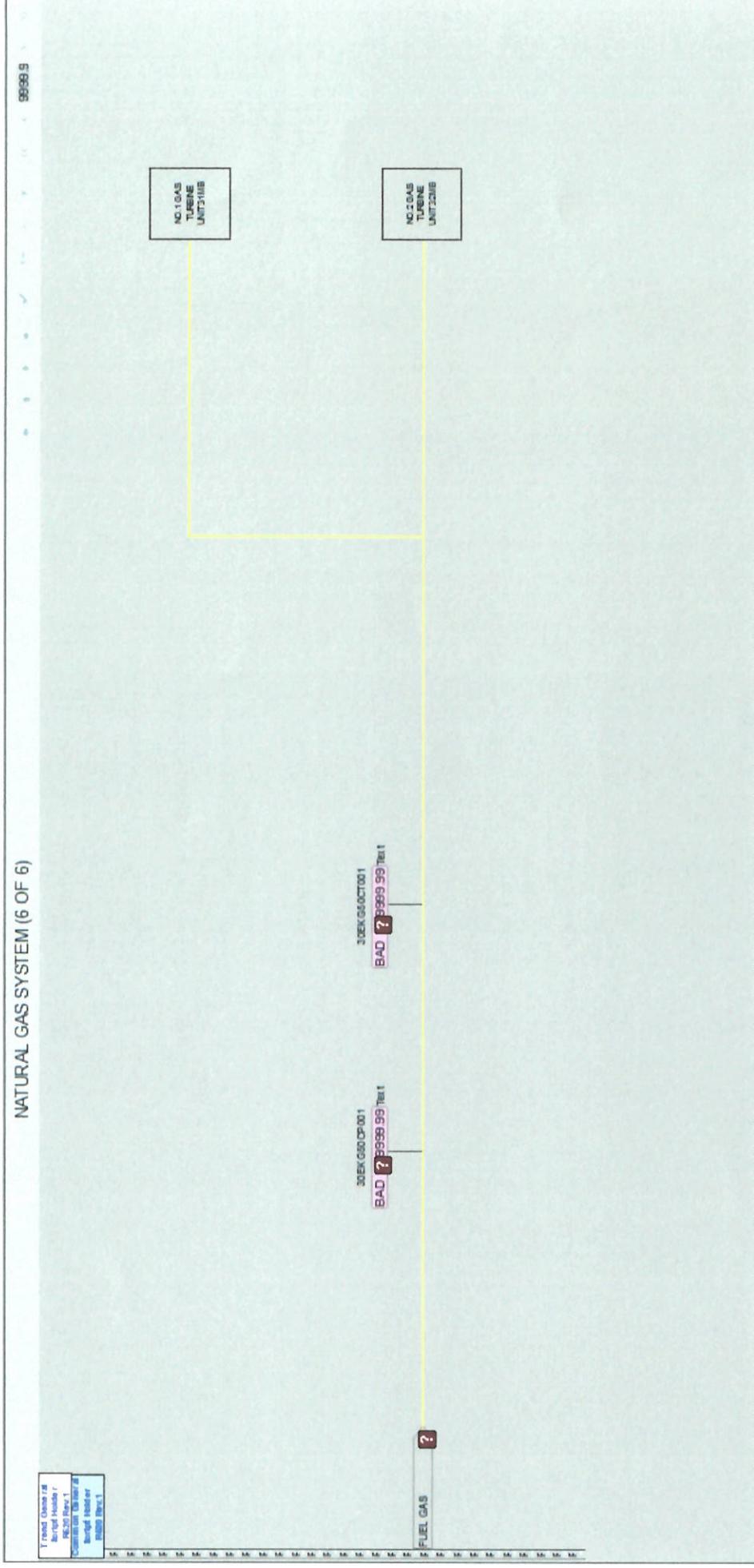


### 1.3.5 NATURAL GAS SYSTEM (5 OF 6) (PAUR\_30EK\_M4001\_5)



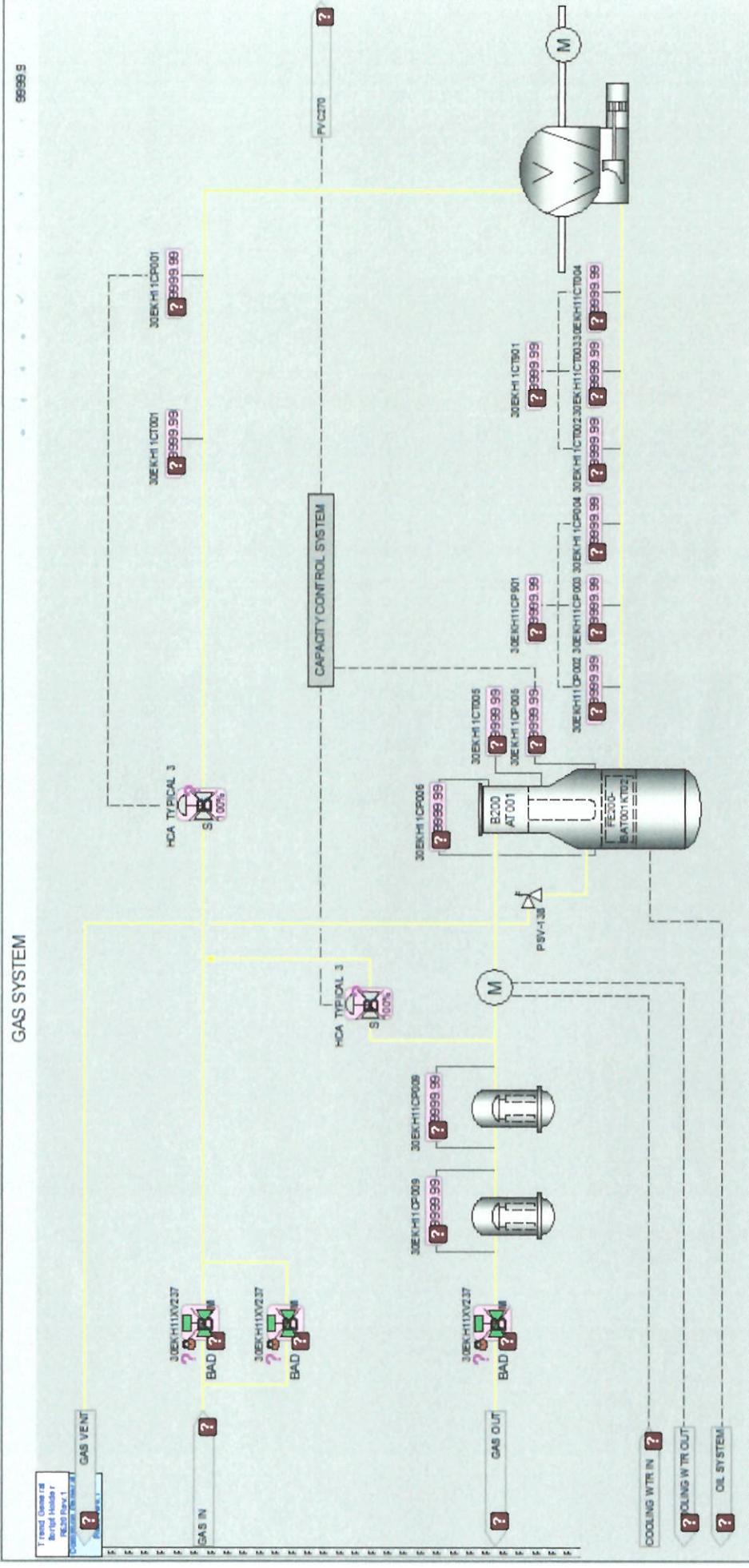
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## 1.3.6 NATURAL GAS SYSTEM (6 OF 6) (PAUR\_30EK\_M4001\_6)

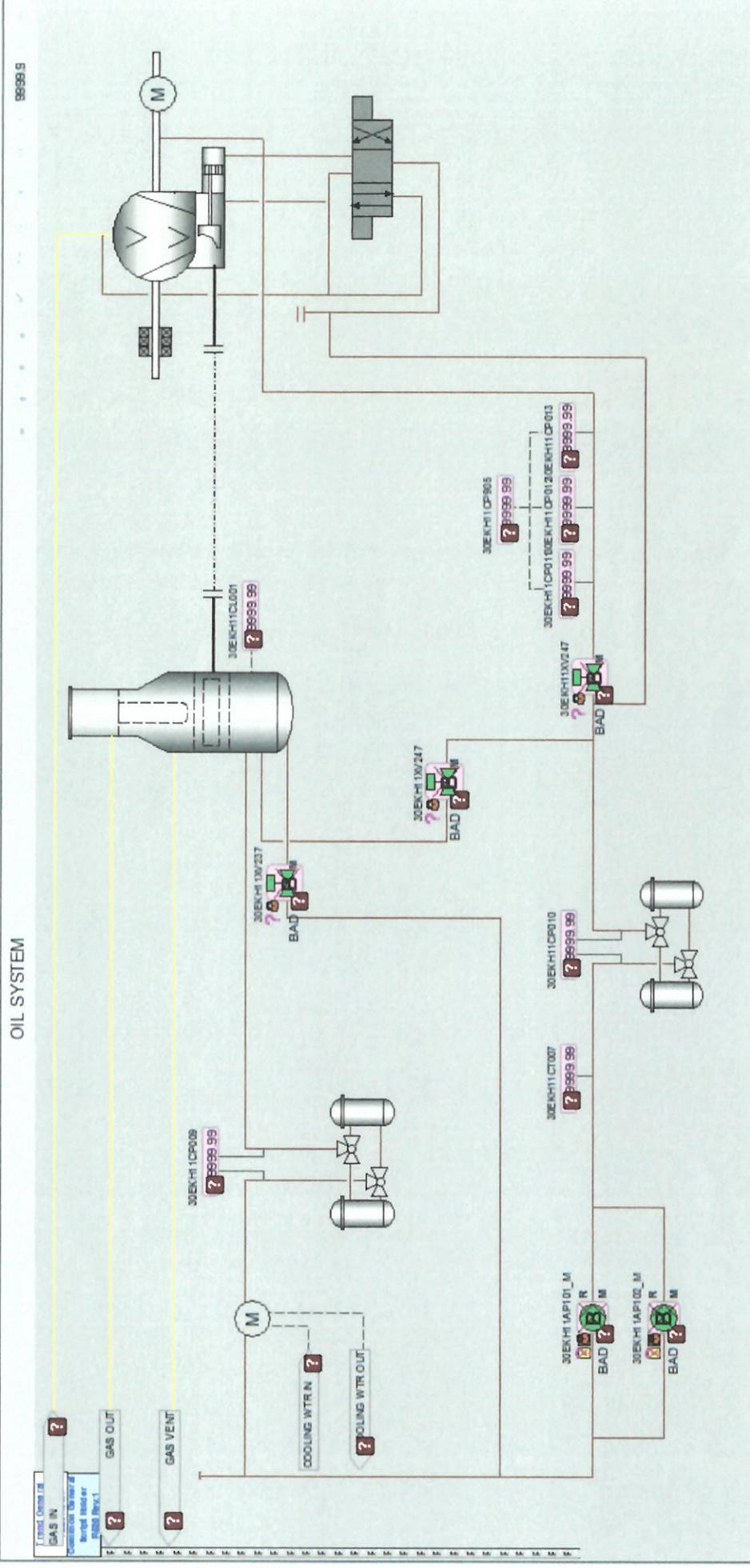


### 1.3.7. GAS COMPRESSOR 1

#### 1.3.7.1. GAS SYSTEM (PAUR\_30EKH\_M4050\_1)



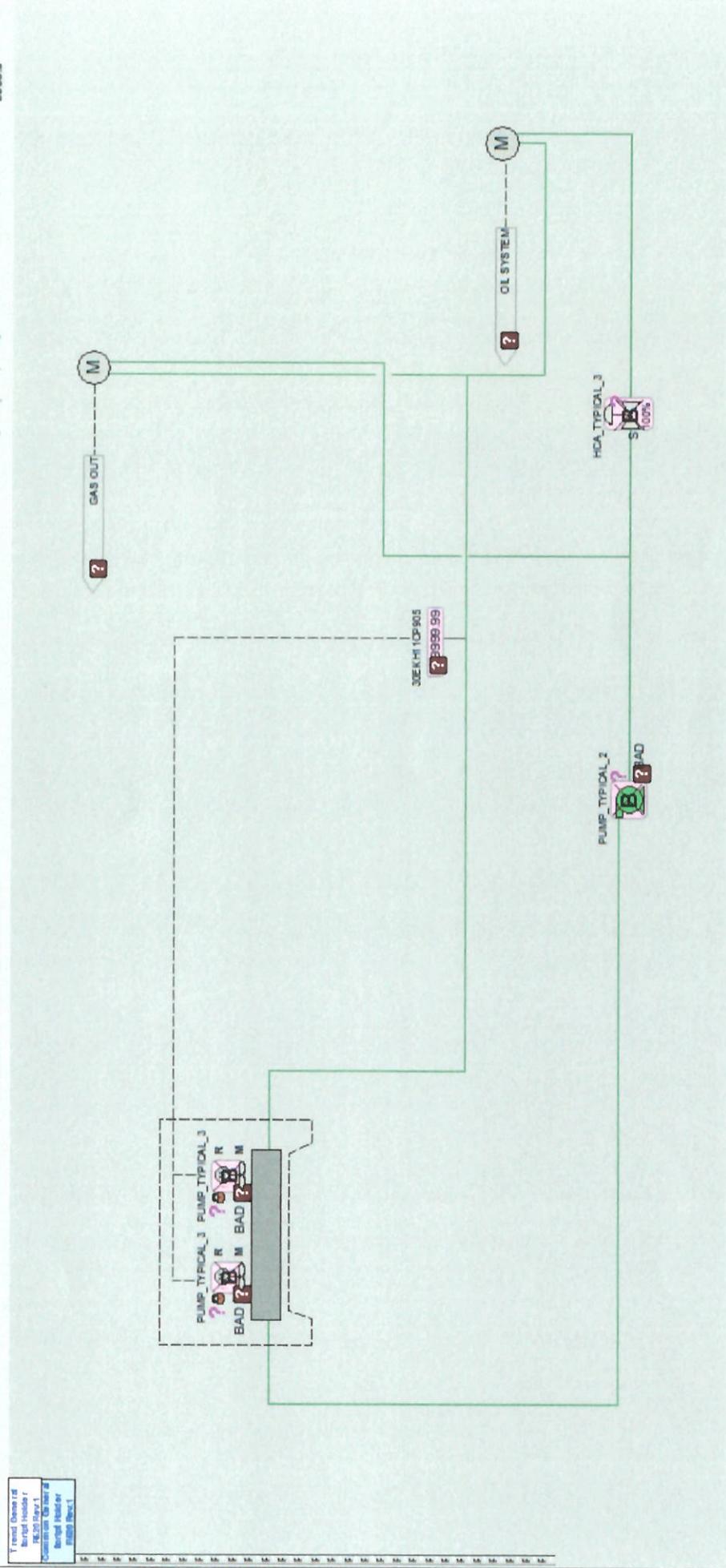
### 1.3.7.2. OIL SYSTEM (PAUR\_30EKH\_M4050\_2)



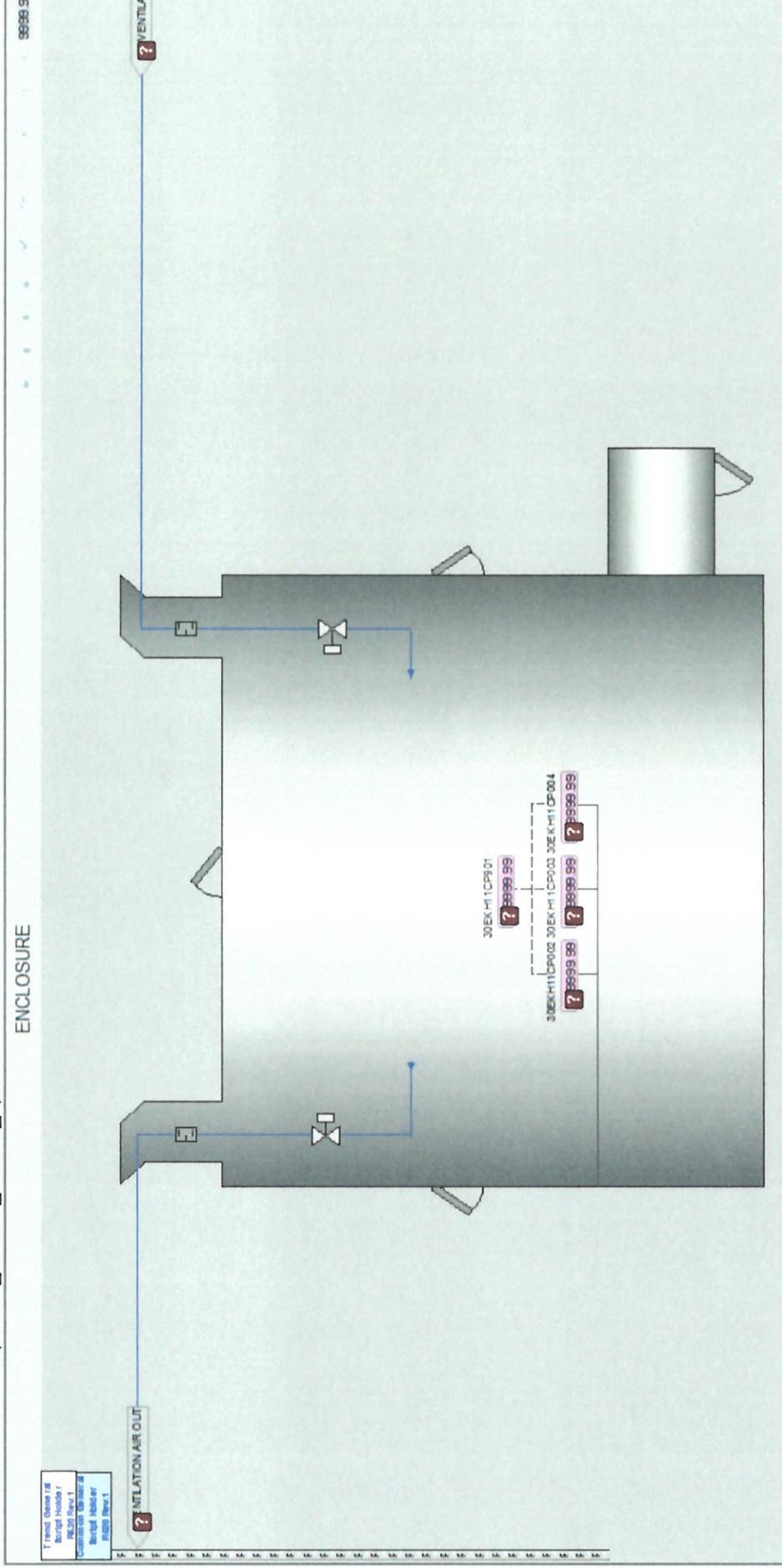
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### 1.3.7.3. COOLING WATER SYSTEM (PAUR\_30EKH\_M4050\_3)

COOLING WATER SYSTEM

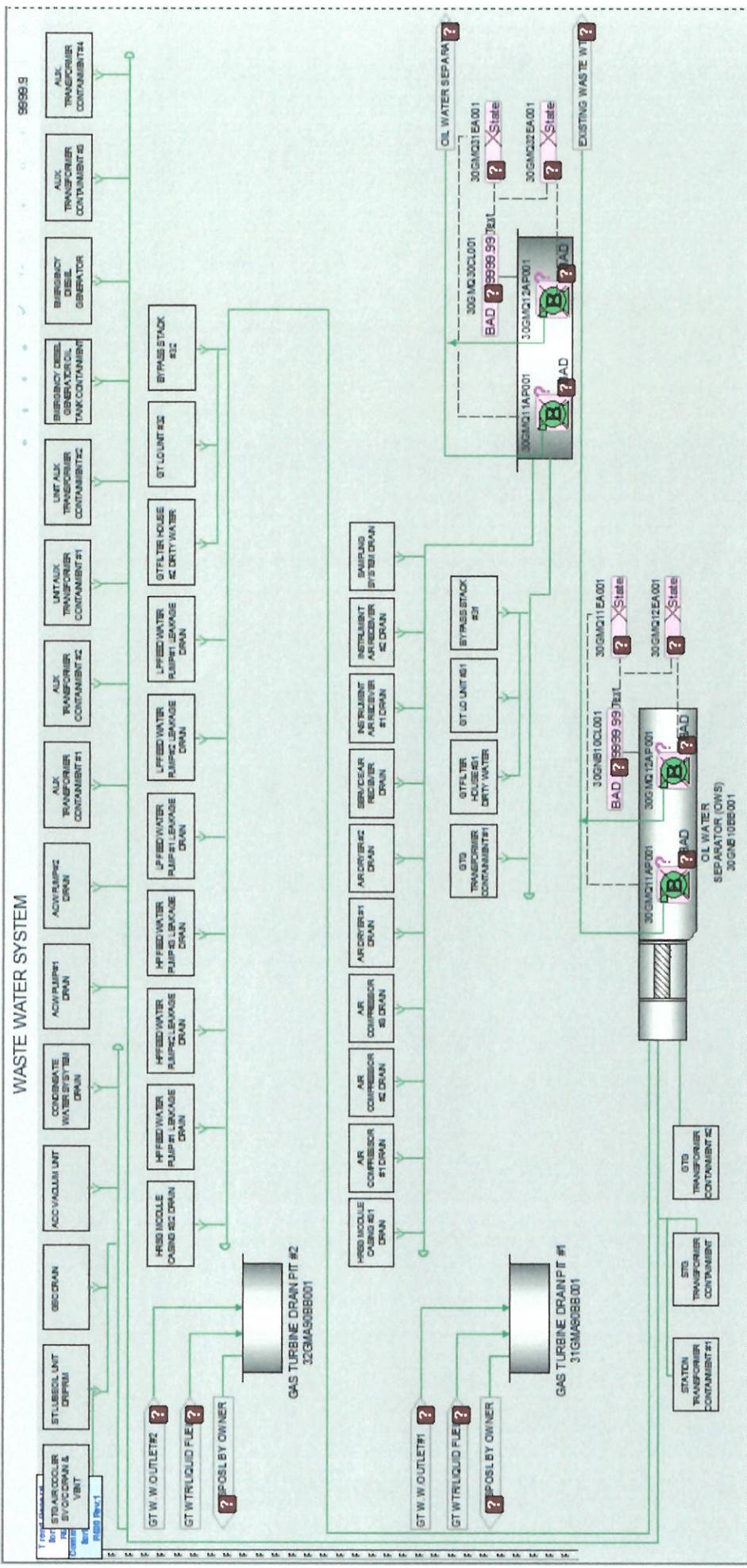


## 1.3.7.4. ENCLOSURE (PAUR\_30EKH\_M4050\_4)



## 1.4 WASTE WATER

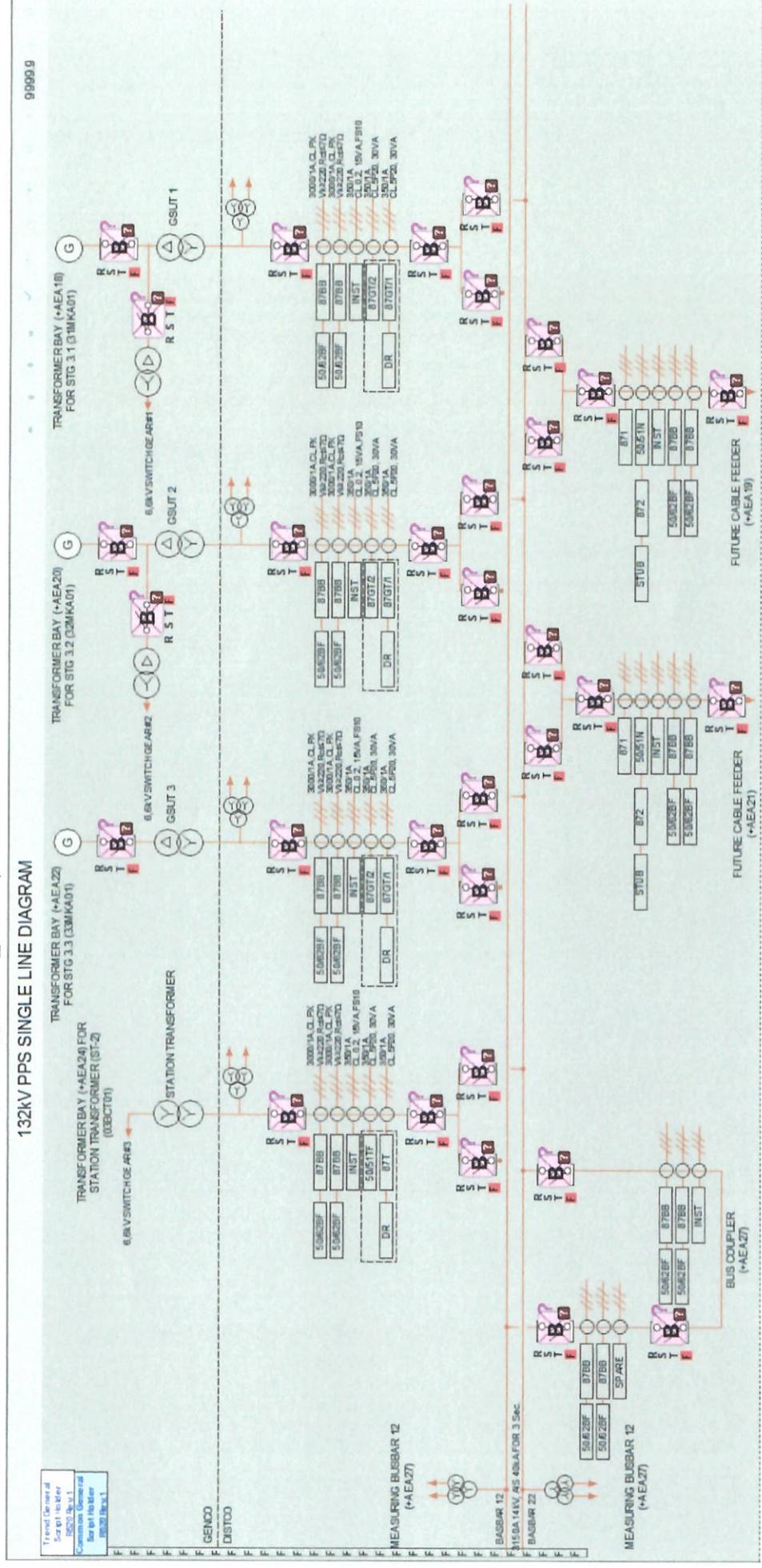
#### **1.4.1 WASTE WATER SYSTEM (PAUR\_30GM\_M7602)**



FAT COPY

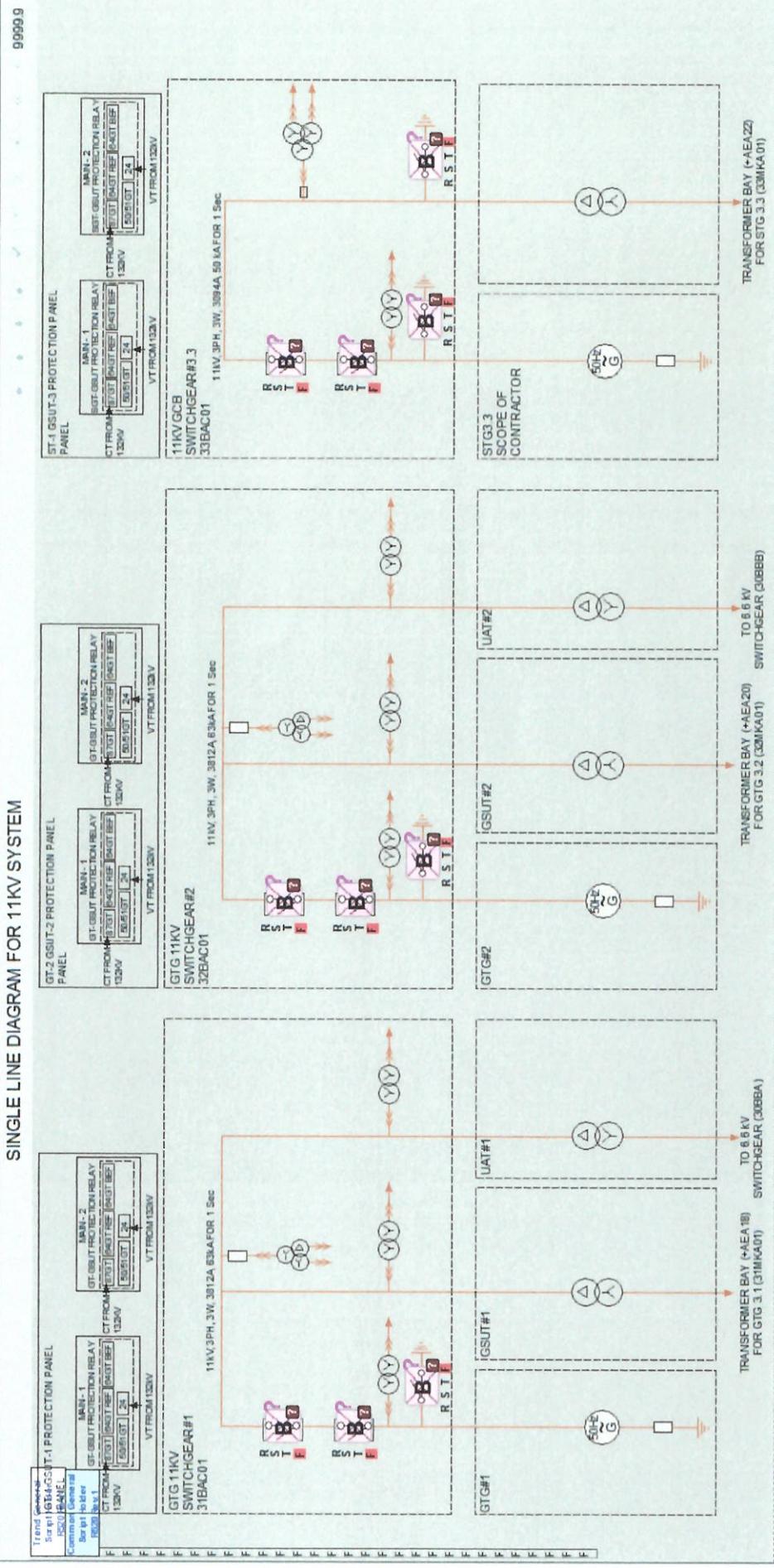
## 2. ELECTRICAL

## 2.1 132kV PPS SINGLE LINE DIAGRAM (PAUR\_30AEA\_E6002)



## 2.2 SINGLE LINE DIAGRAM FOR 11KV SYSTEM (PAUR\_30AEA\_E6003)

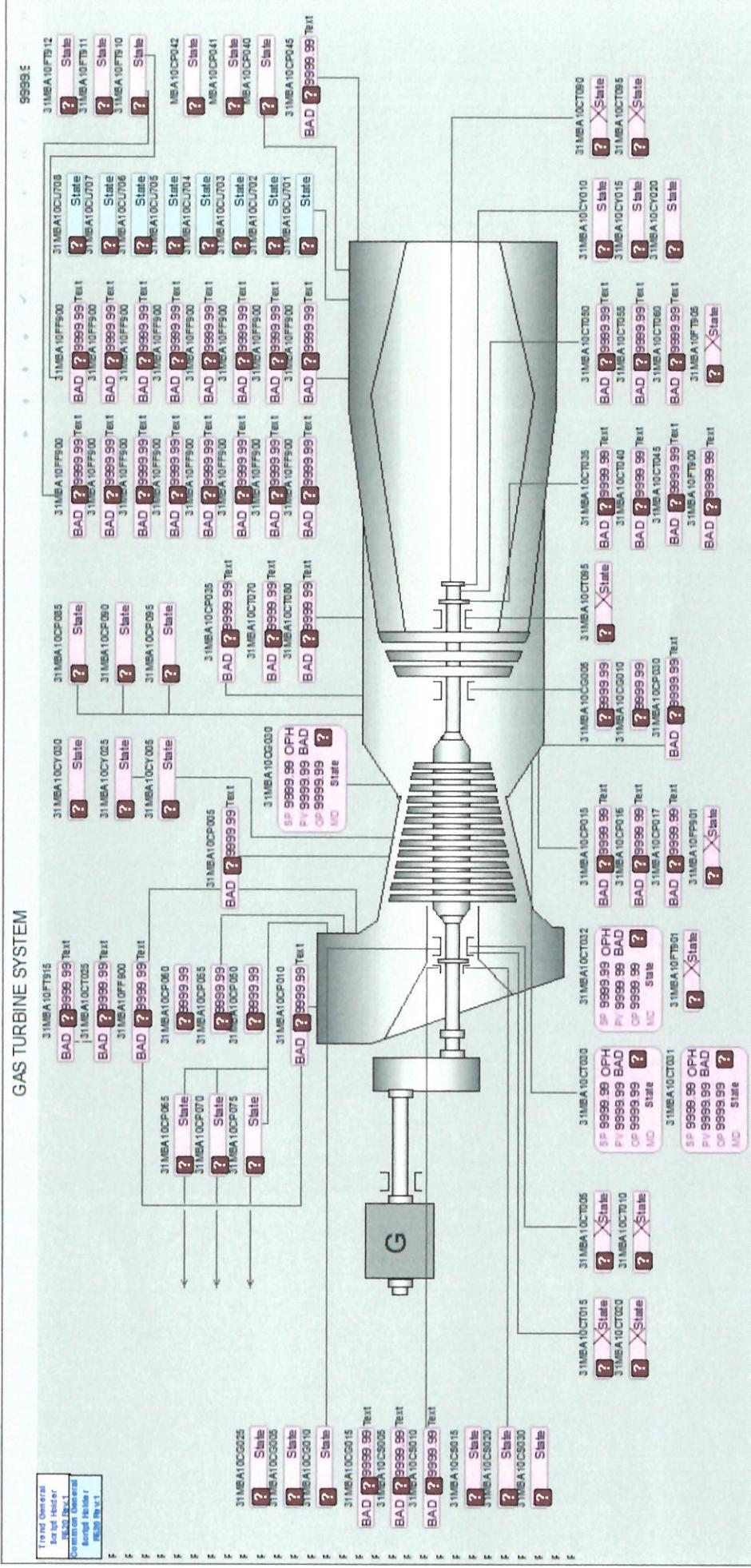
SINGLE LINE DIAGRAM FOR 11KV SYSTEM



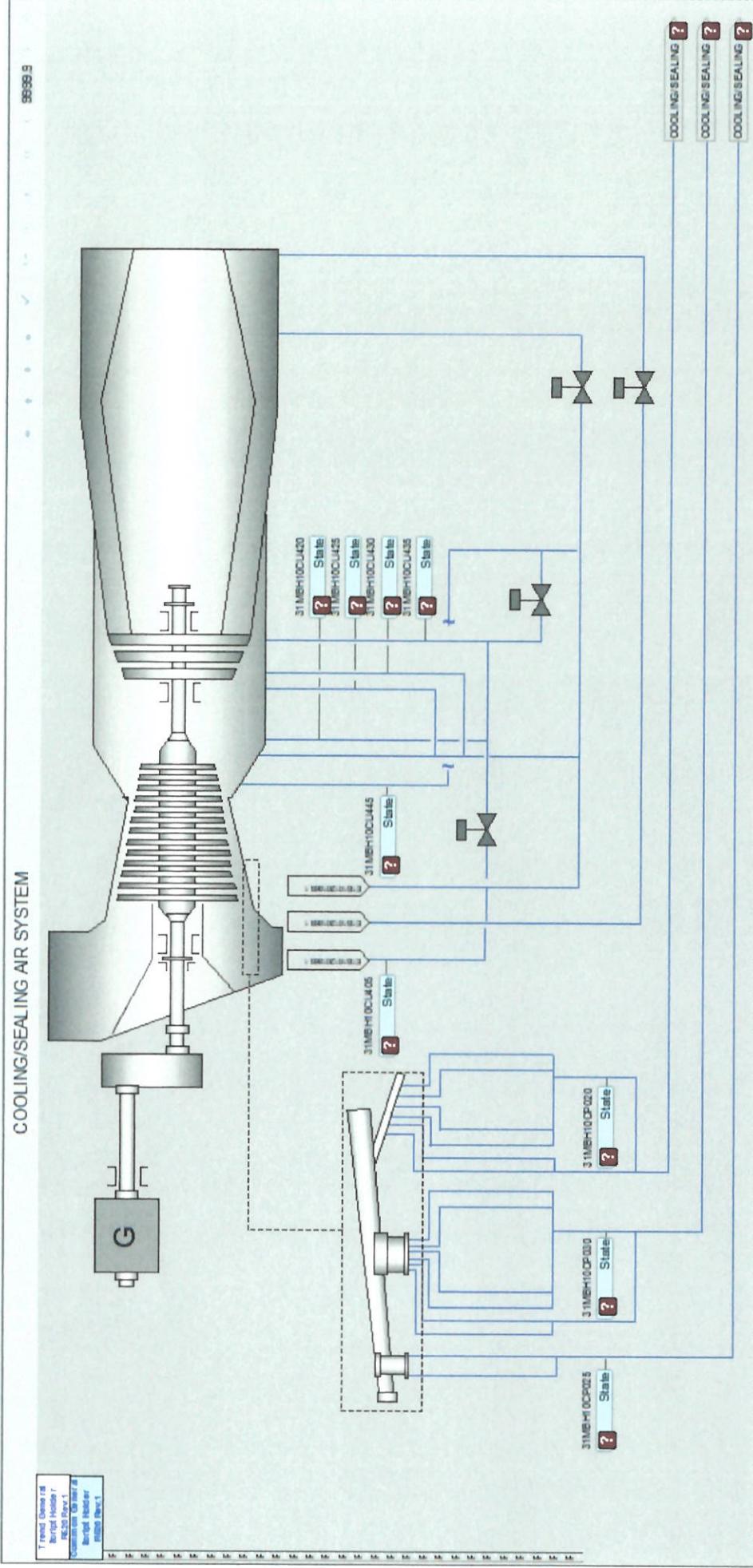
9999.9

3. GT 31 MENU

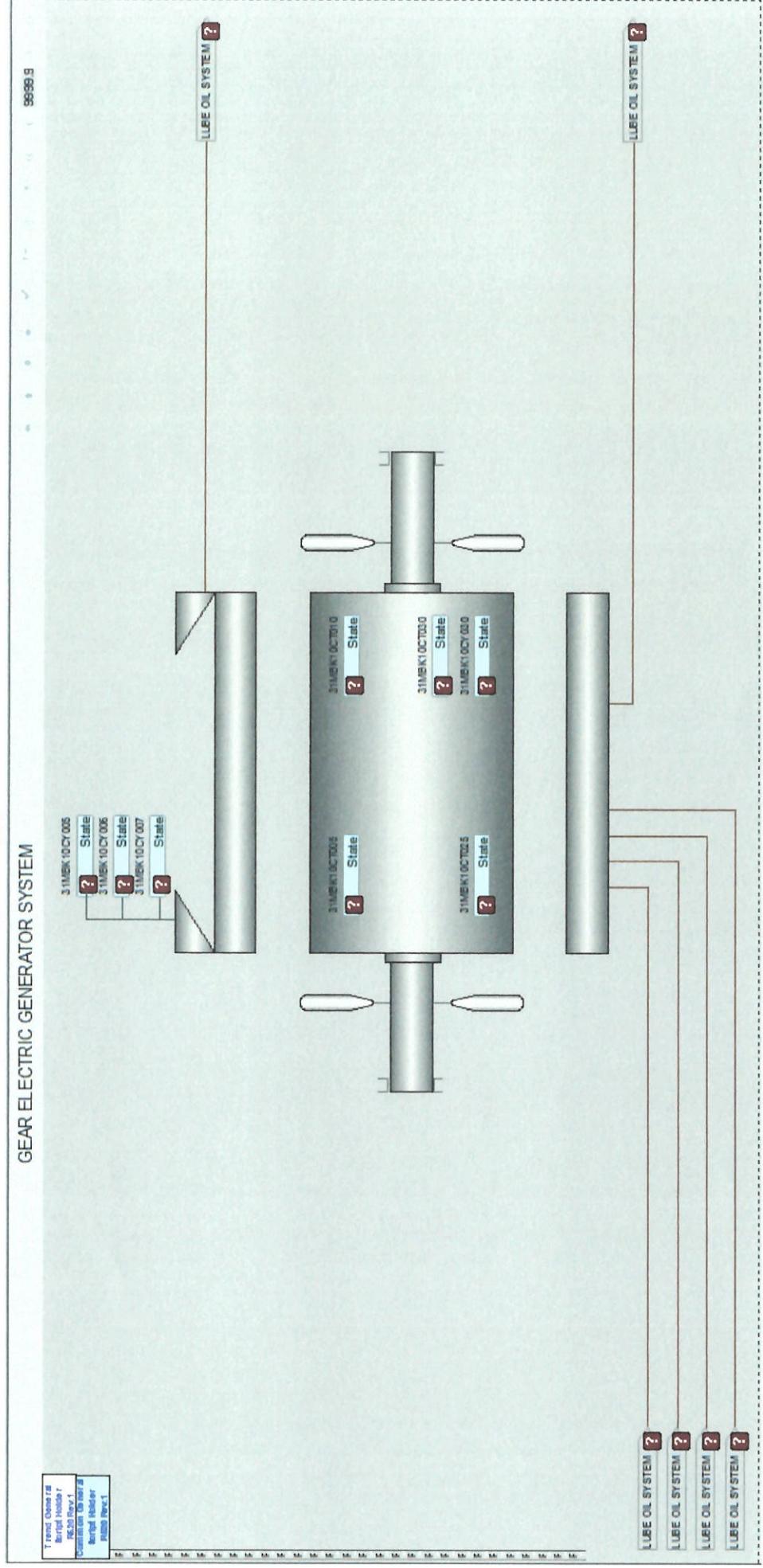
### 3.1 GAS TURBINE SYSTEM (PAUR 30MB M1005 1)



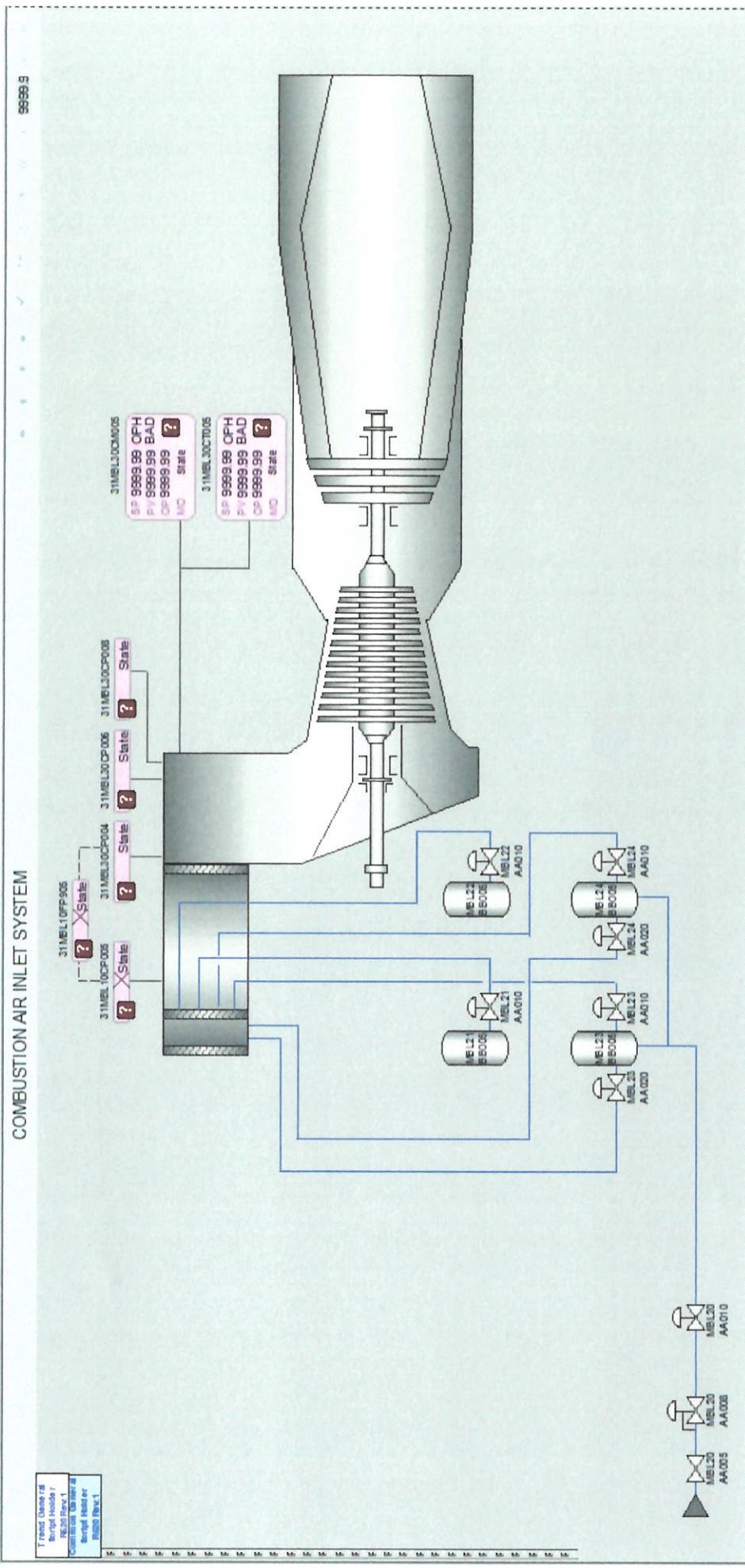
### 3.2 COOLING/SEALING AIR SYSTEM (PAUR\_30MB\_M1005\_2)



### 3.3 GEAR ELECTRIC GENERATOR SYSTEM (PAUR\_30MB\_M1005\_3)

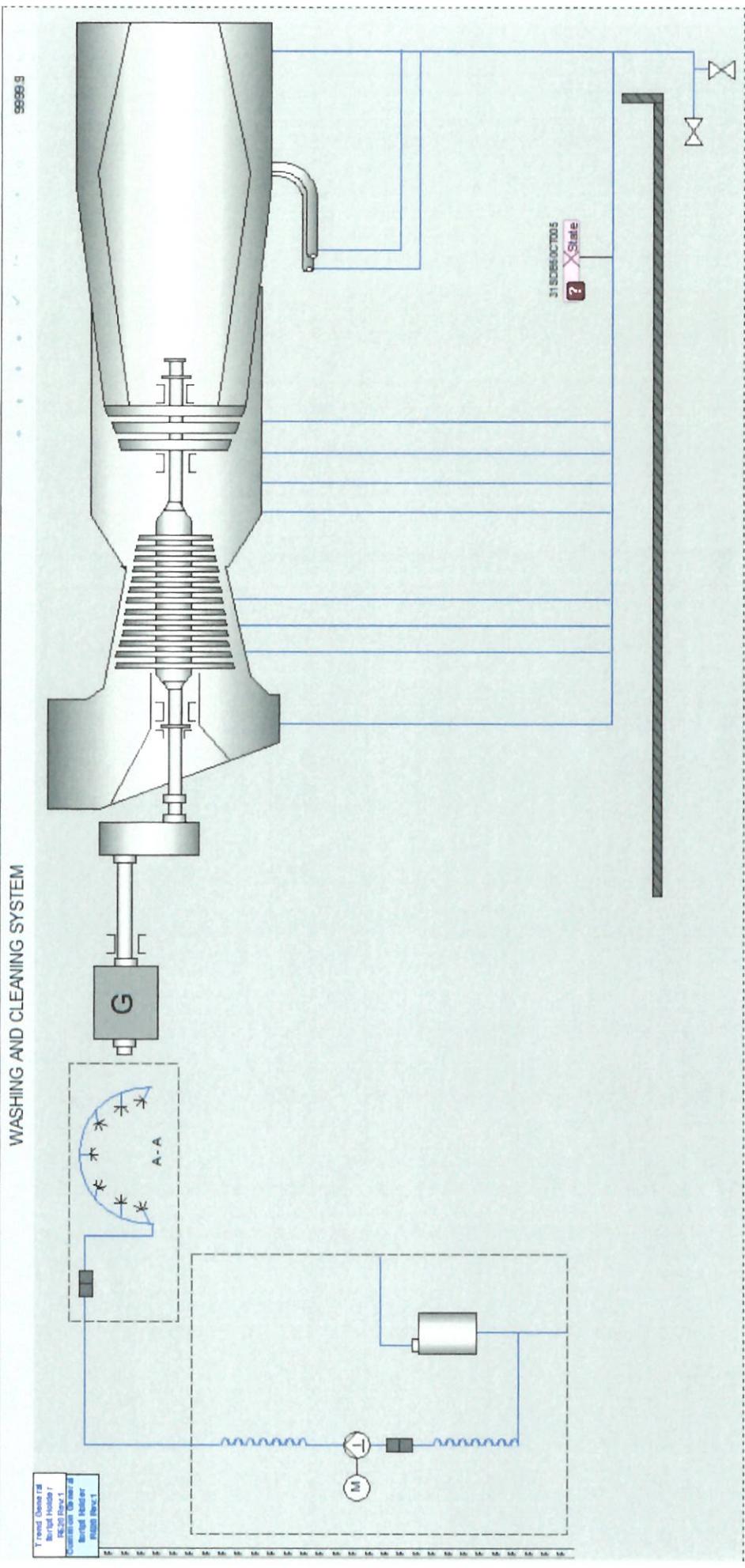


### 3.4 COMBUTION AIR INLET SYSTEM (PAUR\_30MB\_M1005\_4)

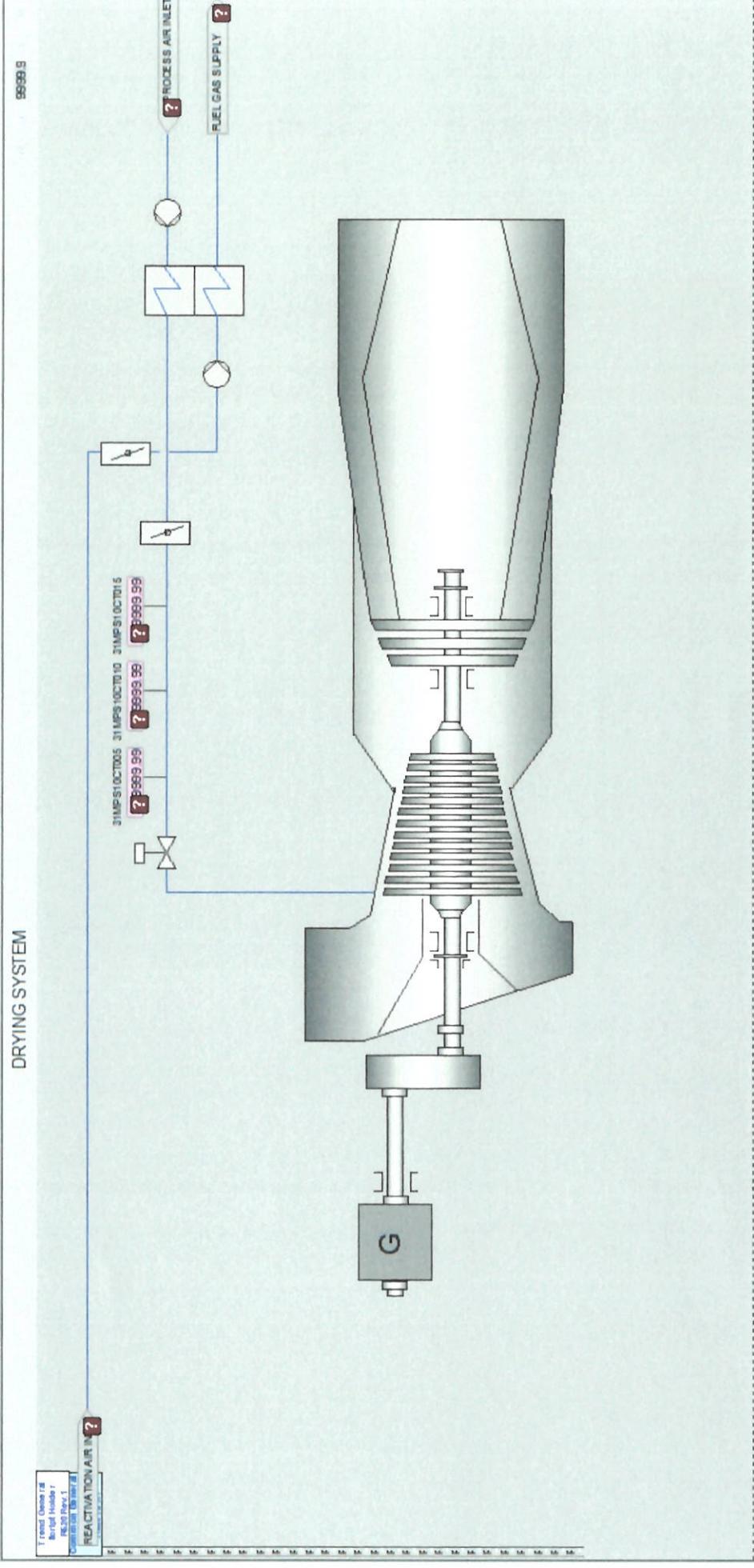


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### 3.5 WASHING AND CLEANING SYSTEM (PAUR\_30MB\_M1005\_5)

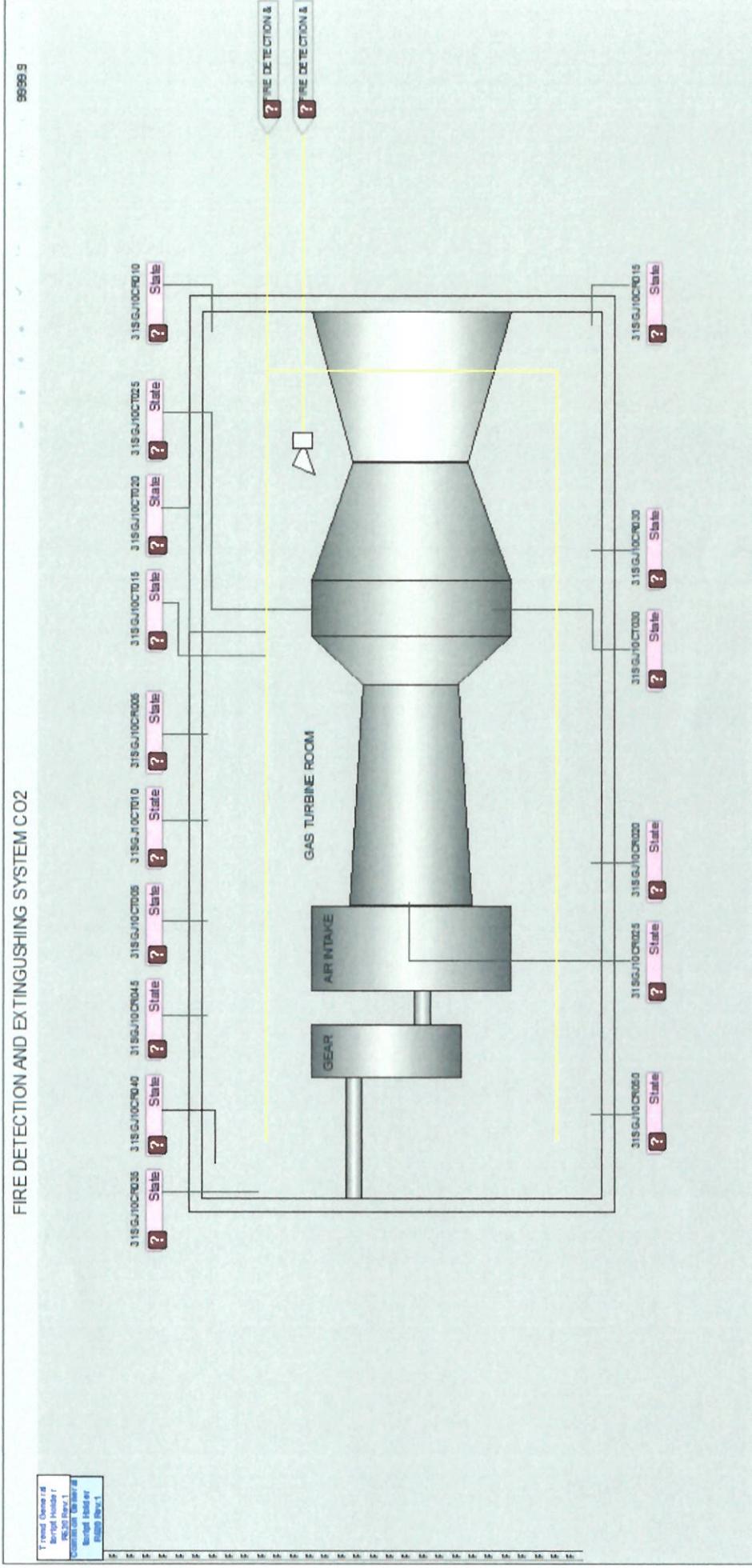


### 3.6 DRYING SYSTEM (PAUR\_30MB\_M1005\_6)



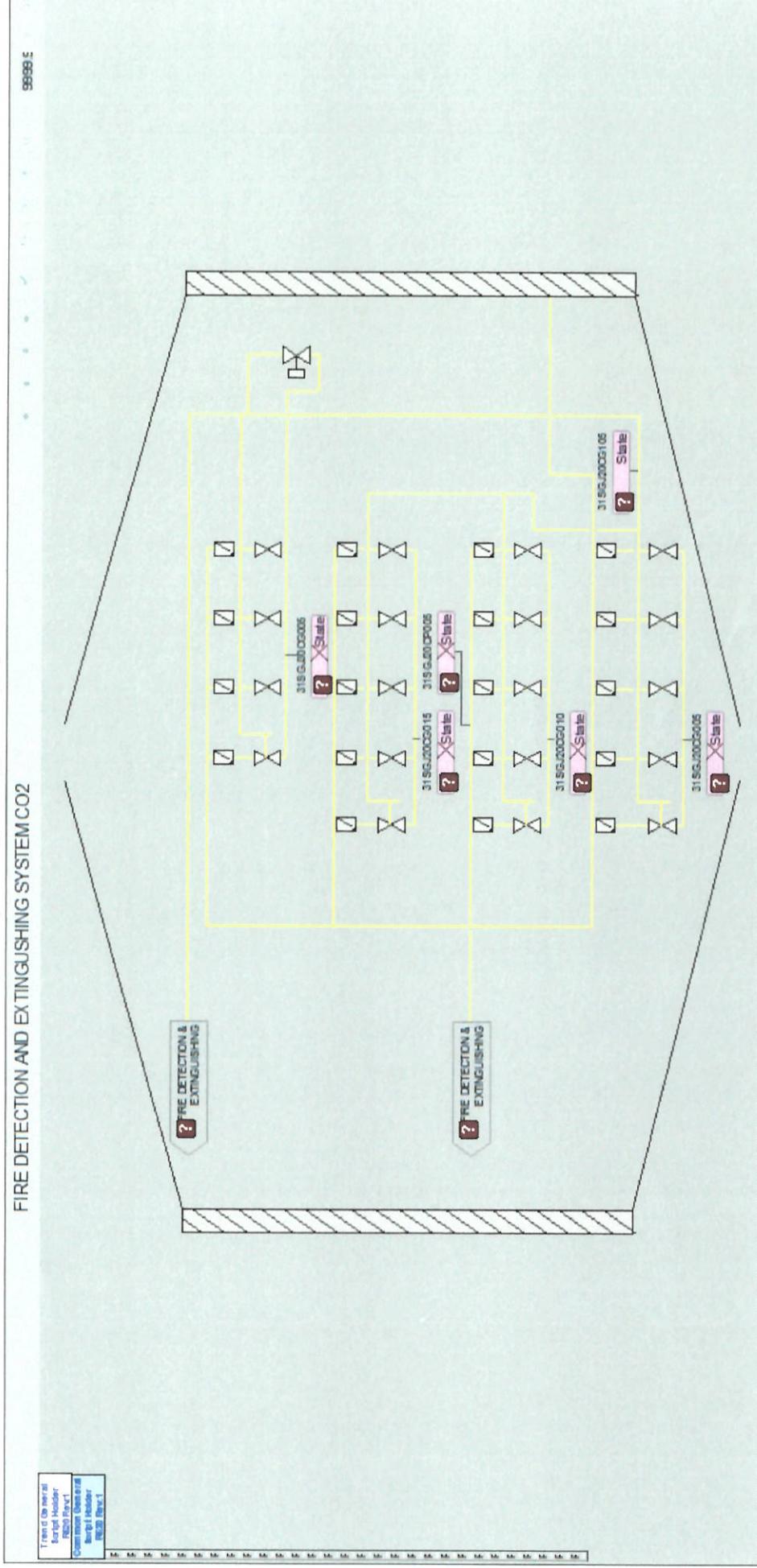
### 3.7 FIRE DETECTION AND EXTINGUISHING SYSTEM CO2 (PAUR\_30MB\_M1005\_7)

FIRE DETECTION AND EXTINGUISHING SYSTEM CO2

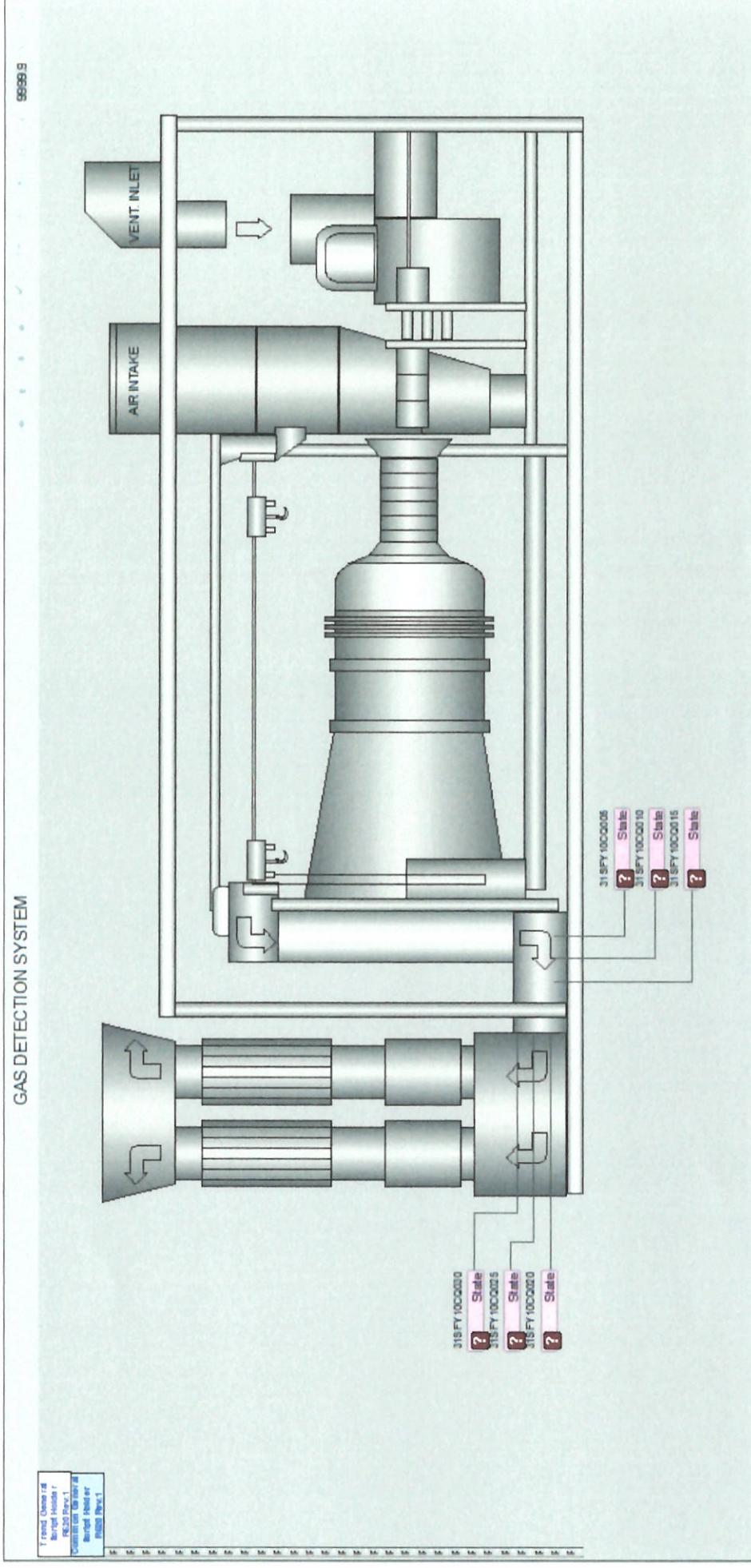


FIRE DETECTION AND EXTINGUISHING SYSTEM CO2 (PAUR\_30MB\_M1005\_8)

Trend General  
Kerpl Heider  
RSG Poco 1



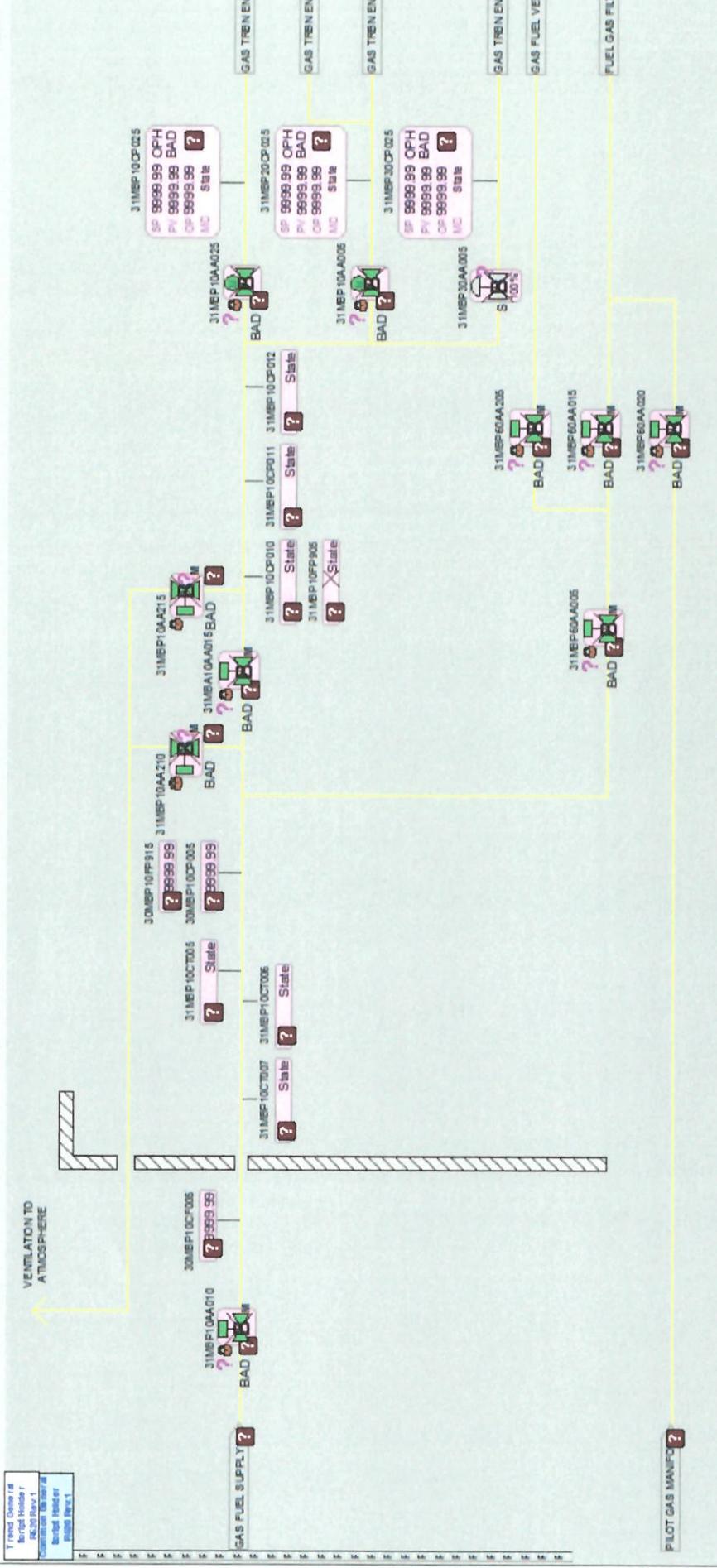
## 3.9 GAS DETECTION SYSTEM (PAUR\_30MB\_M1005\_9)



# FAT COPY

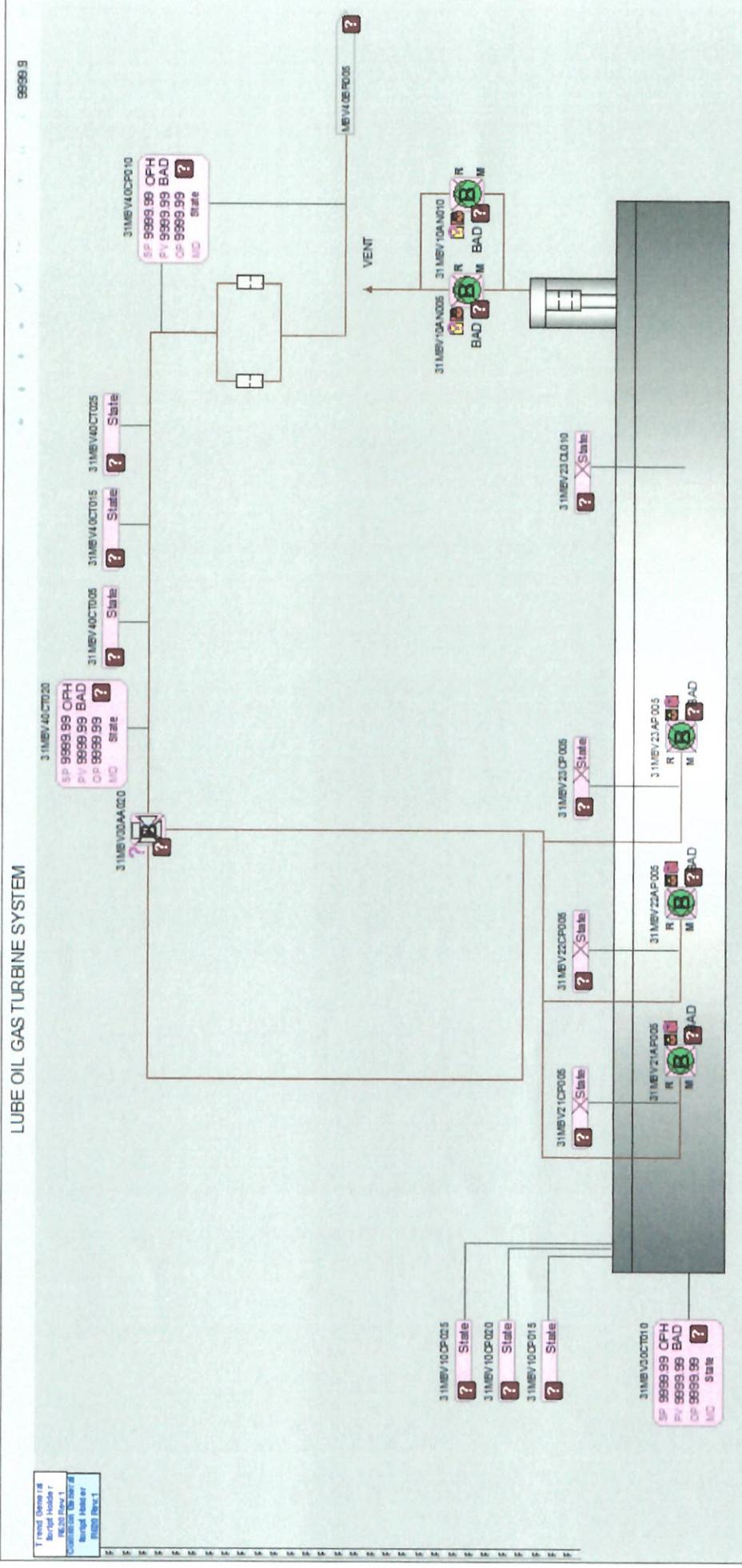
## 3.10 GAS FUEL SYSTEM (PAUR\_30MB\_M1005\_10)

### GAS FUEL SYSTEM

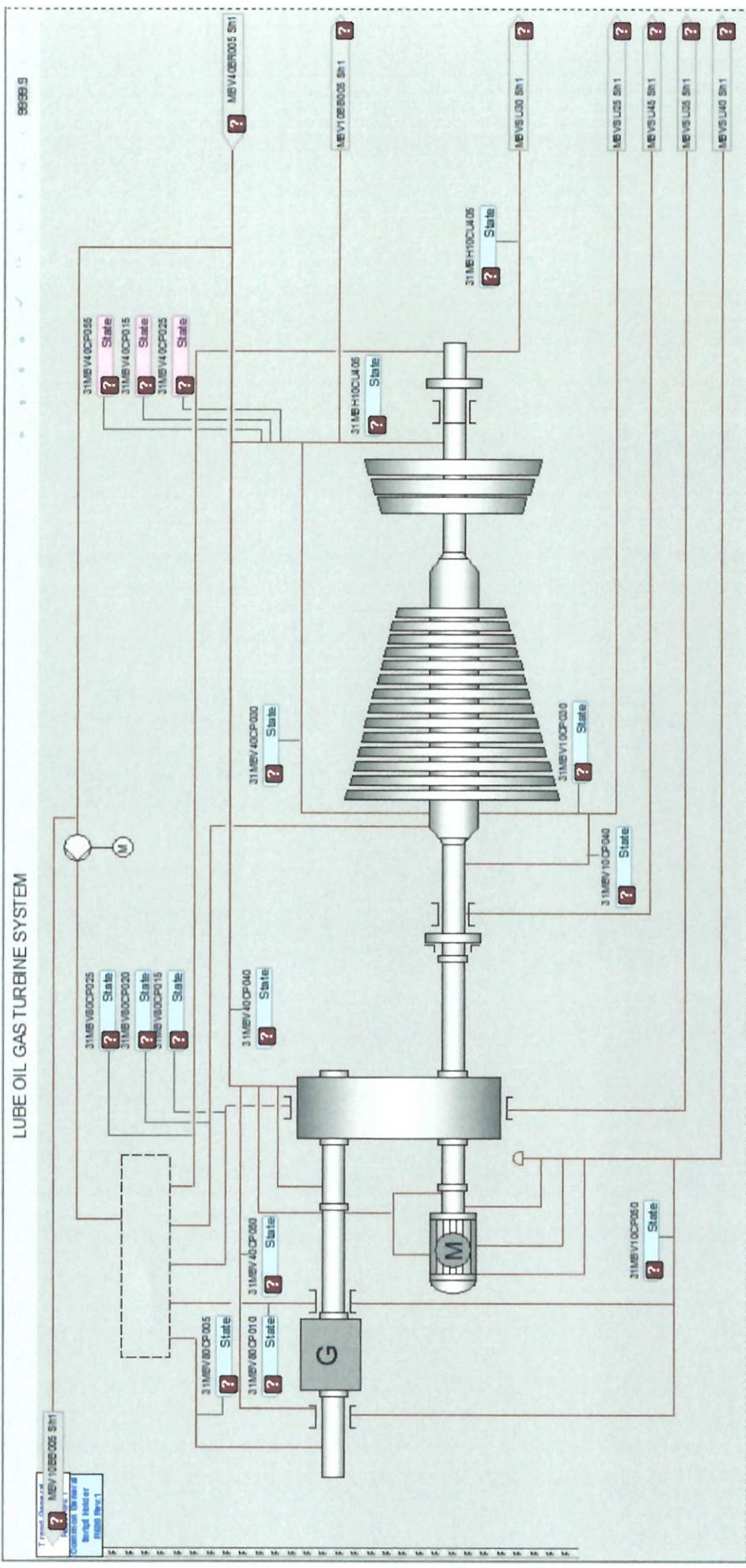


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## 3.11 LUBE OIL GAS TURBINE SYSTEM (PAUR\_30MB\_M1005\_11)

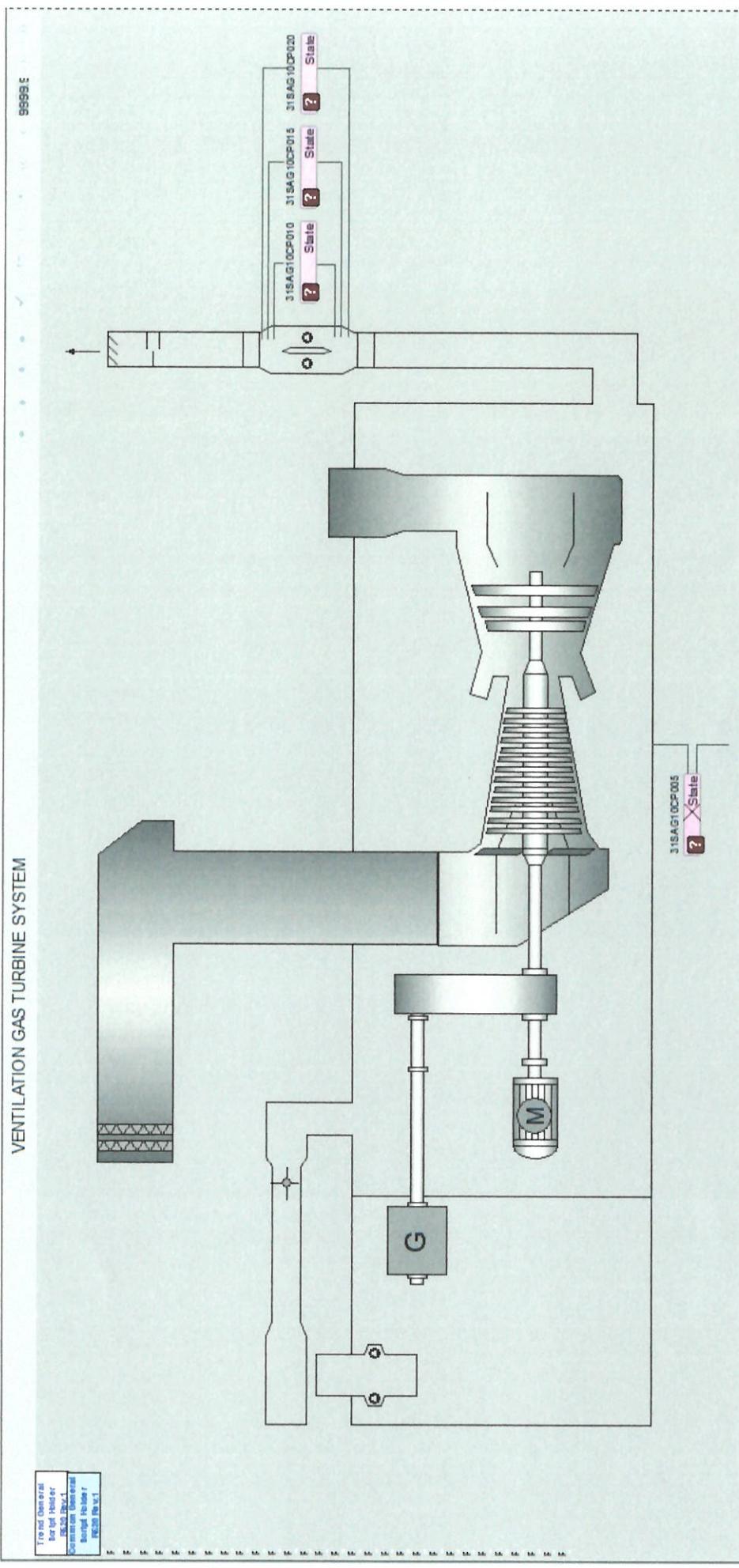


### **3.12 LUBE OIL GAS TURBINE SYSTEM (PAUR\_30MB\_M1005\_12)**



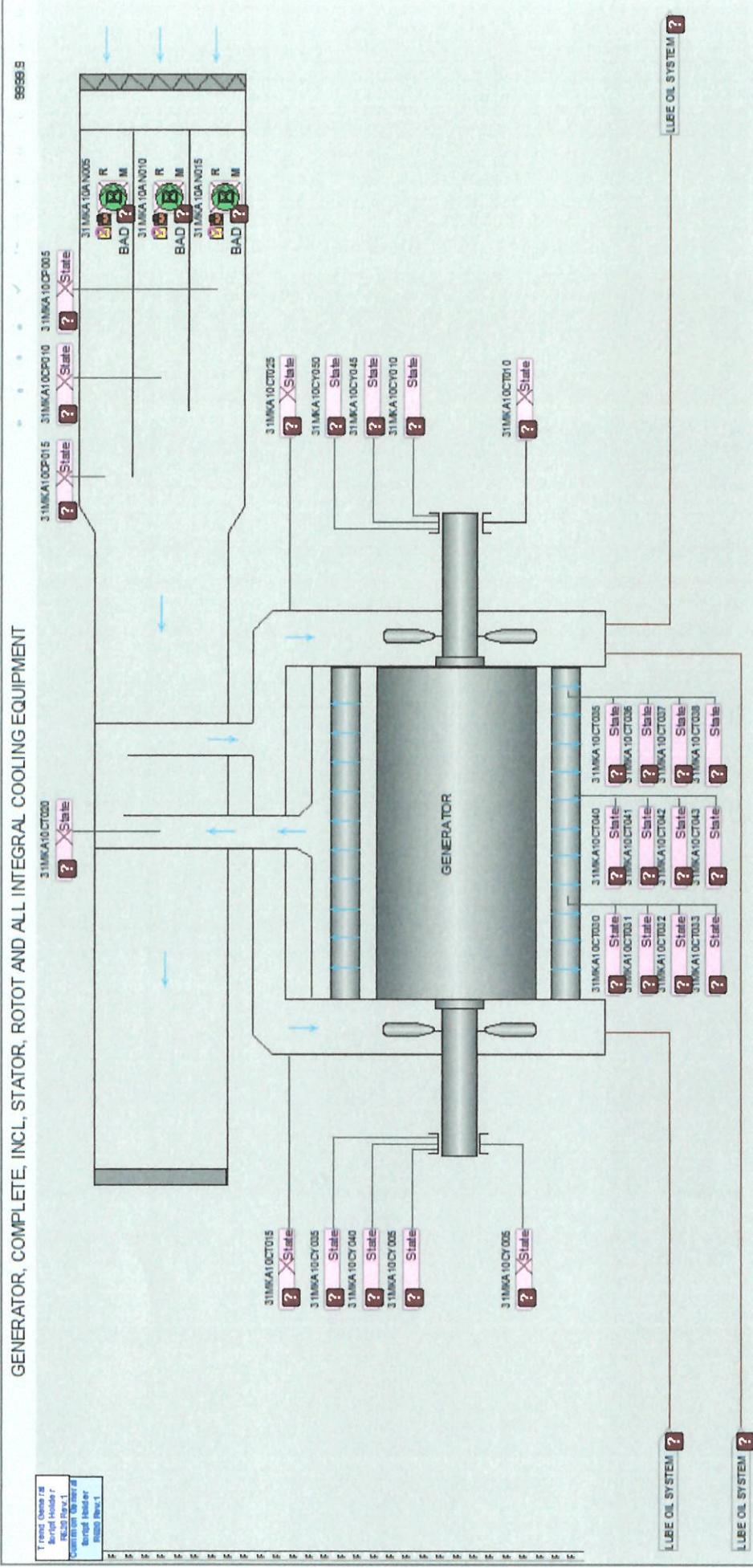
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### 3.13 VENTILATION GAS TURBINE SYSTEM (PAUR\_30MB\_M1005\_13)



FAT COPY

### 3.14 GENERATOR, COMPLETE, INCL, STATOR, ROTOT AND ALL INTEGRAL COOLING EQUIPMENT (PAUR\_30MB\_M1005\_14)



FAT COPY

### 3.15 LIQUID FUEL SYSTEM (PAUR\_30MB\_M1005\_15)

LIQUID FUEL SYSTEM

9999 9

Trend: None / 1d  
Last Read: Hostile /  
TLE20 (Page 1)  
Communication OK after 00  
Received Update at 0000 (Page 1)

GAS FUEL SYSTEM ?

31MEN00P910

? X State  
31MEN00P010

? X State  
31MBA10A015

BAD

31MBA10A015

? X State  
BAD

?

31MEN00P910

? X State  
31MEN00P010

? X State  
31MBA10A015

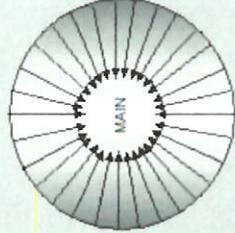
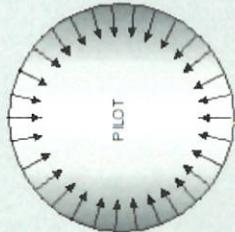
BAD

SP: 9999.99 OFH  
PI: 9999.99 BAD  
OF: 9999.99  
MD: State

31MEN00P025

? X State  
31MBA10A210

? X State  
31MEN00P020

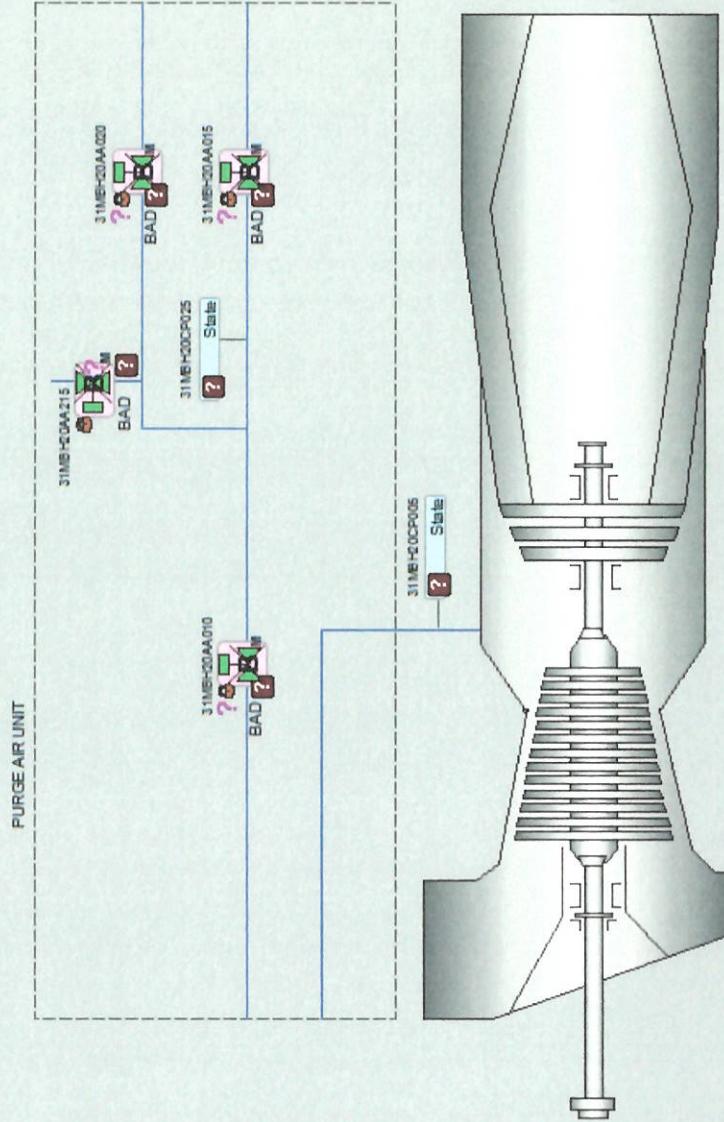


### 3.16 MBH20 PURGE AIR SYSTEM DUAL FUEL (PAUR\_30MB\_M1005\_16)

MBH20 PURGE AIR SYSTEM DUAL FUEL

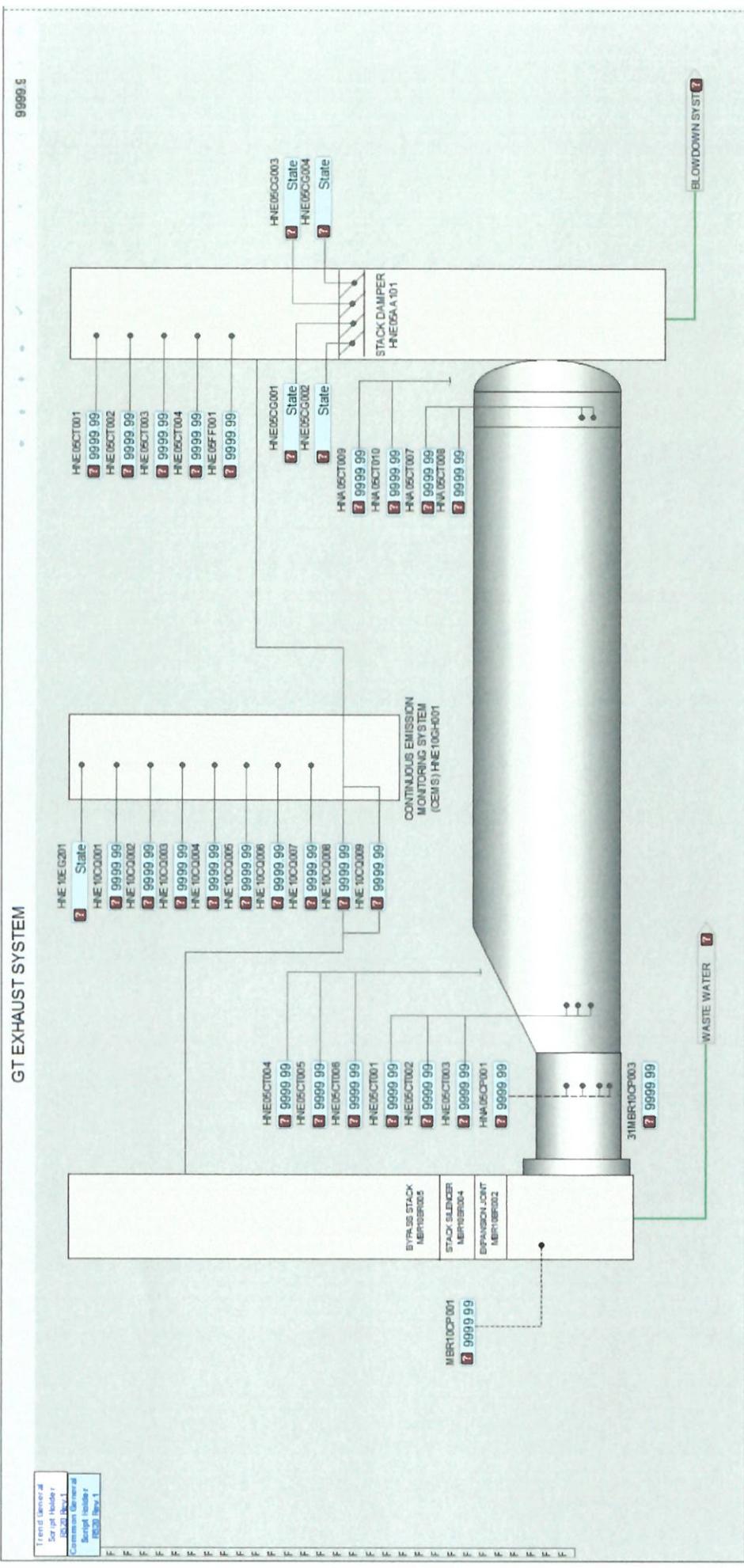
9999

Trend Device 1/8
Bridged Header 1 PFC20 (Rev. 1)
Communication On way 4
Bridged Header PFC20 (Rev. 1)



### 3.17 GT EXHAUST SYSTEM (PAUR\_30HNA\_M3951)

Trend General  
Script Holder  
HSG20 Rev.1



BLONDWYN LISAS

FAT COPY

### 3.18 BYPASS STACK PACKAGE (PAUR\_30HNE\_M3900)

BYPASS STACK PACKAGE

