PLS-Program
SLAVE-PLS
SLAVE I LS
EDI & JAT
Date: MAI 2024
Date: PIAI 2027

**PLC Parameter** 5/3/2024

Data Name: Memory Capacity

**Memory Capacity** 

[Memory Capacity] 8000

[Program Capacity]

8000 Steps

[Comments Capacity]

0 Block 0 Points

[File Register Capacity]

0 Block 0 Points

[Special Function Block Setting]

0 Block

[Positioning]

0 Block

[Built-in CC-Link/LT Setting]

0 Block

PLC Parameter Data Name : PLC System

PLC System

[Battery Less Mode]

OFF

[MODEM Initialized]

None

[RUN Terminal Input]

None

5/3/2024

PLC Parameter Data Name : Device

Device

[Device]

Dovidoj								
	Sym.	Dig.	Points	Start	End	Latch Start	End	Latch Setting Range
Supplemental Relay	М	10	7680	0	7679	500	1023	0 - 1023
State	S	10	4096	0	4095	500	999	0 - 999
Timer	Т	10	512	0	511			
Counter(16bit)	С	10	200	0	199	100	199	0 - 199
Counter(32bit)	С	10	56	200	255	220	255	200 - 255
Data Register	D	10	8000	0	7999	200	511	0 - 511
Extended Register	R	10	32768	0	32767			

Network Parameter Data Name : CC-Link CC-Link Setting 5/3/2024

[CC-Link Setting]

Connection Block Not Set

## Network Parameter Data Name : CC-Link CC-Link Setting

[CC-Link Setting]

	Setting Contents
Special Function Block No.	-
Туре	-
Master Station Data Link Type	Start Parameter by BFM
Mode	-
Total Module Connected	-
Remote input(RX)	-
Remote output(RY)	-
Remote register(RWr)	-
Remote register(RWw)	-
Ver.2 Remote input(RX)	-
Ver.2 Remote output(RY)	-
Ver.2 Remote register(RWr)	-
Ver.2 Remote register(RWw)	-
Special relay(SB)	-
Special register(SW)	-
Retry Count	-
Automatic Reconnection Station Count	-
Standby Master Station No.	-
PLC Down Select	-
Scan Mode Setting	-
Delay Time Setting	-
Remote Device Station Initial Setting	-
Interrupt Settings	-

Program setting Data Name : Program setting 5/3/2024

Execution type	Program file name [Title]	Task name [Title]	Task attribute
Execution Program	MAIN	stroombrudd	Priority (31), Always
		Task_01	Priority (31), Always
		task_2	Priority (31), Interval (T#200ms)

Program setting Data Name : stroombrudd 5/3/2024

## Task Setting

	Program Name	Comment
1	stroombrudd	

Program setting 5/3/2024
Data Name : Task\_01

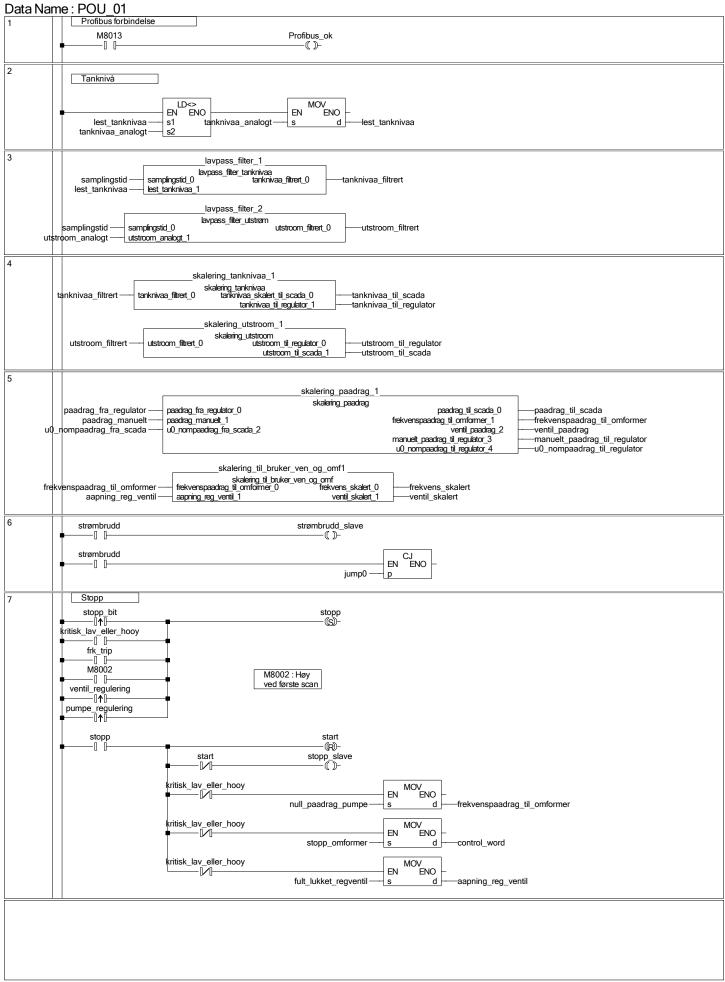
## Task Setting

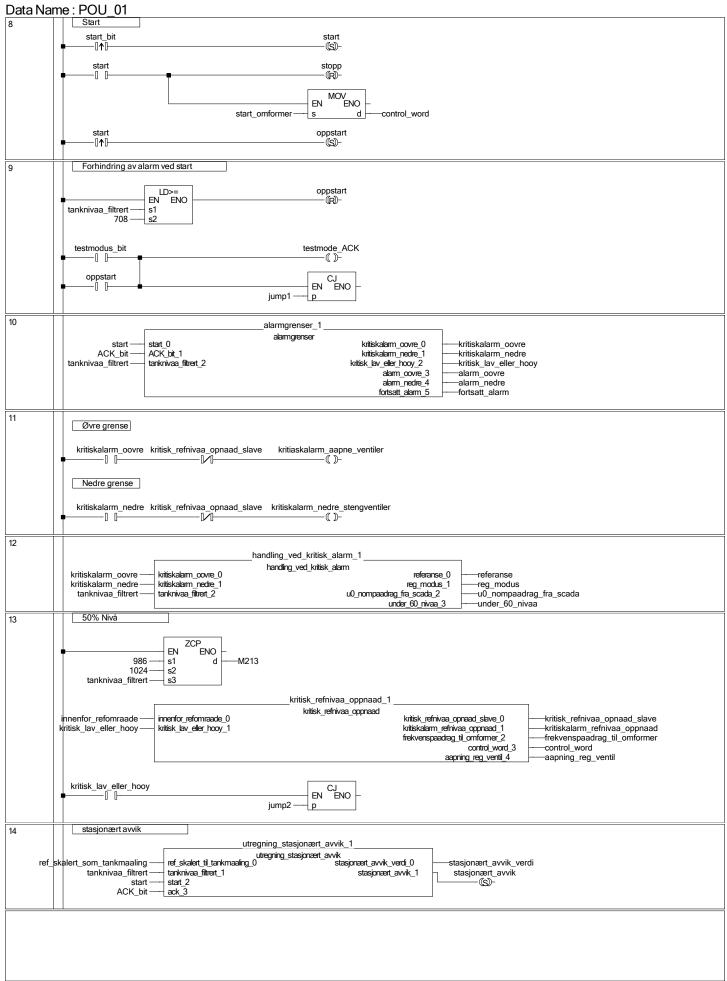
	Program Name	Comment
1	POU_01	

Program setting 5/3/2024
Data Name : task\_2

## Task Setting

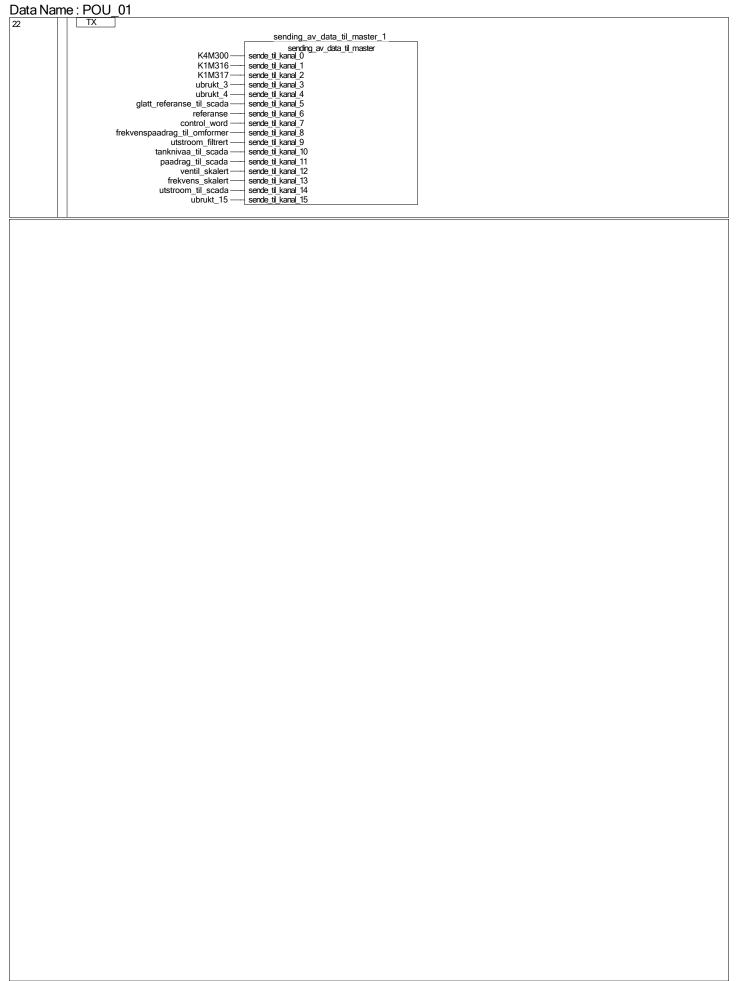
	Program Name	Comment
1	Regulator	



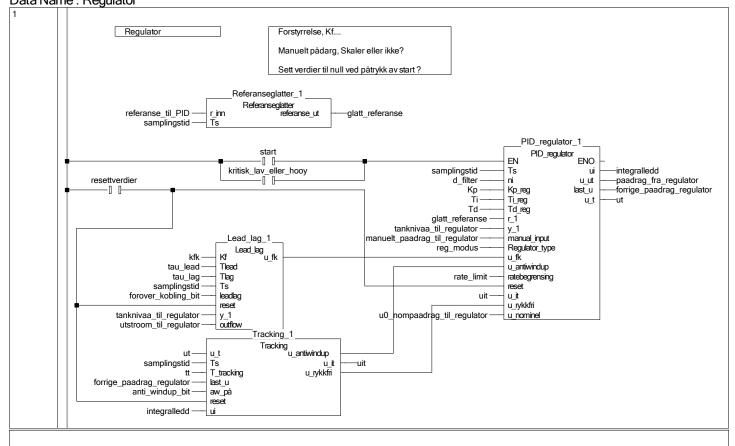


Data Name: POU 01 Reguleringsmod jump1: reguleringsmodus\_1 reguleringsmodus pumpe\_regulering\_bit\_0 ventil\_regulering\_bit\_1 -pumpe\_regulering -ventil\_regulering pumpe\_regulering\_bit pumpe\_regulering\_0 ventil\_regulering\_bit ventil regulering 1 aapning\_reg\_ventil ventil\_paadrag ventil\_paadrag\_2 aapning\_reg\_ventil\_2 frekvenspaadrag\_til\_omformer start start 3 frekvenspaadrag til omformer 3 AD/DA-omformer 16 jump2: 500 0% MOV ENO 4000 100% FΝ aapning reg ventil send aapning reg ventil Alarm - Lampe 17 Lampe\_Alarm\_1 Lampe\_Alarm kritisk\_lav\_eller\_hooy kritisk lav eller hooy 0 alam lampe 0 alarm lampe alarm\_lampe alam\_lampe\_1 alarm oovre alarm oovre 2 alarm\_nedre alarm\_nedre\_3 stasjonært\_avvik\_4 fortsatt\_alarm\_5 stasjonært avvik fortsatt\_alarm blinkrate blinkrate 6 strømbrudd\_7 strømbrudd auto\_ACK\_lav\_hooy auto\_ACK\_lav\_hooy\_8 Referanseskalering 18 skalering\_referanse\_1 skalering\_referanse referanse referanse 0 referanse\_til\_PID\_0 referanse\_til\_PID glatt\_referanse glatt\_referanse\_1 ref\_skalert\_som\_tankmaaling\_1 ref\_skalert\_som\_tankmaaling glatt\_referanse\_til\_scada glatt\_referanse\_til\_scada\_2 Magnetventiler 19 utganger\_1 utganger tvangstyr\_startsignal\_frekv\_0 aktiver\_magv\_1\_bit\_1 fysisk\_start\_frekomformer 0 tvangstyr\_startsignal\_frekv aktiver\_magv\_1\_bit fysisk start frekomformer magnetventil\_1 magnetventil 1 1 -magnetventil\_1
-magnetventil\_2
-magnetventil\_3
-magnetventil\_1\_ACK
-magnetventil\_2\_ACK aktiver\_magv\_2\_bit aktiver\_magv\_3\_bit aktiver\_magv\_2\_bit\_2 aktiver\_magv\_3\_bit\_3 magnetventil 2 2 magnetventil 3 3 kritiaskalarm\_aapne\_ventiler kritiaskalarm\_aapne\_ventiler\_4 magnetventil\_1\_ACK\_4 magnetventil\_2\_ACK\_5 kritisk\_refnivaa\_opnaad\_slave kritisk refnivaa\_opnaad\_slave\_5 kritiskalarm\_nedre\_stengventiler kritiskalarm\_nedre\_stengventil\_6 magnetventil\_3\_ACK\_6 magnetventil\_3\_ACK under 60 nivaa under\_60\_nivaa\_7 Kvittering av kvittering\_av\_alarmer\_1 jump0: kvittering\_av\_alarmer ACK\_bit ACK\_bit\_0 alarm\_oovre\_0 alarm\_oovre kritisk\_lav\_eller\_hooy\_1 kritisk lav eller hooy alarm nedre 1 -alarm nedre kritiskalarm\_oovre\_2 kritiskalarm\_oovre kritiskalarm nedre 3 -kritiskalarm nedre strømbrudd\_4 strømbrudd stasjonært\_avvik\_5 kritiskalarm\_refnivaa\_oppnaad\_6 stasjonært\_avvik kritiskalarm\_refnivaa\_oppnaad auto\_ACK\_7 -auto\_ACK -auto\_ACK\_lav\_hooy auto\_ACK\_lav\_hooy\_8 ACK\_slave\_9 ACK\_slave fortsatt alarm\_10 fortsatt alarm kritisk\_refnivaa\_opnaad\_slave kritisk\_refnivaa\_opnaad\_slave\_11 RX \_mottak\_av\_data\_fra\_master\_1 mottak\_av\_data\_fra\_maste -K4M400 -K4M100 profibusadresse\_0 mottak\_fra\_kanal\_0 profibusadresse 1 mottak fra kanal 1 profibusadresse\_2 mottak\_fra\_kanal\_2 K1M112 mottak\_fra\_kanal\_3 mottak\_fra\_kanal\_4 3 profibusadresse 3 -u0\_nompaadrag\_fra\_scada profibusadresse\_4 -kfk profibusadresse\_5 profibusadresse\_6 mottak\_fra\_kanal\_5 mottak\_fra\_kanal\_6 -referanse -Td 6 profibusadresse\_7 mottak\_fra\_kanal\_7 -Ti 8 profibusadresse 8 mottak fra kanal 8 -Kp 9 profibusadresse\_9 mottak\_fra\_kanal\_9 samplingstid 10 mottak\_fra\_kanal\_10 mottak\_fra\_kanal\_11 tau\_lead profibusadresse 10 profibusadresse\_11 tau\_lag profibusadresse 12 mottak\_fra\_kanal\_12 mottak\_fra\_kanal\_13 12 -d filter 13 profibusadresse\_13 rate limit mottak\_fra\_kanal\_14 mottak\_fra\_kanal\_15 profibusadresse\_14 paadrag manuelt profibusadresse 15

Structured Ladder/FBD 5/3/2024

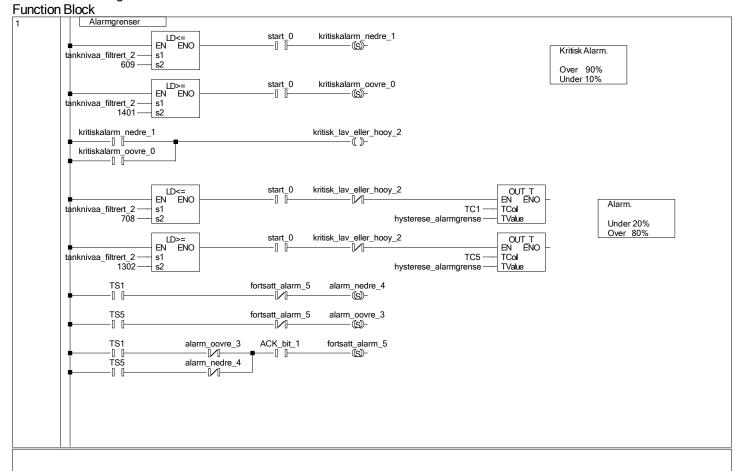


Structured Ladder/FBD Data Name: Regulator



Data Name: stroombrudd strømbrudd M8008 — [] [ strømbrudd M8008: går høy ved strømbrud og lav ved tilbakekomst

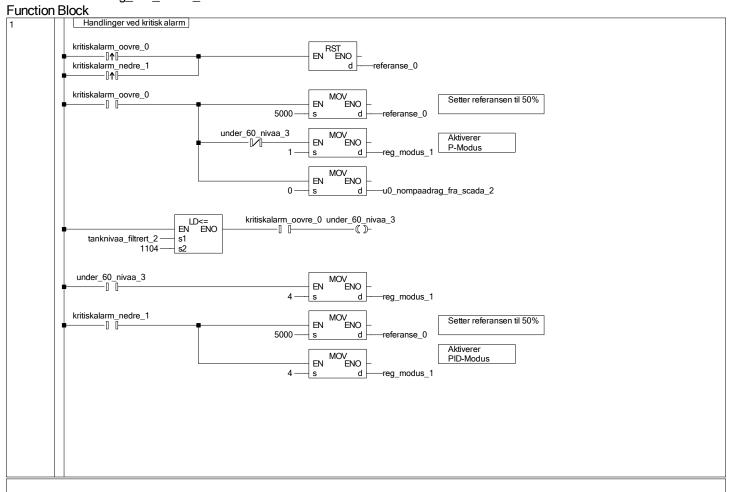
Data Name: alarmgrenser



Data Name : DEROUND

Function Block
glelende\_siffer\_real := INT\_TO\_REAL(glelende\_siffer\_input);
ti\_glelende\_siffer := EXP(glelende\_siffer\_real \* LN(10.0)); IF DINT\_TO\_REAL(REAL\_TO\_DINT(real\_to\_round\* ti\_ti\_gjellende\_siffer))> (real\_to\_round\*ti\_ti\_gjellende\_siffer-0.5) THEN; int\_round:= REAL\_TO\_DINT(real\_to\_round\* ti\_ti\_gjellende\_siffer); real\_rounded:= DINT\_TO\_REAL(int\_round)\*ti\_til\_gjellende\_siffer; ELSE int\_round:= REAL\_TO\_DINT(real\_to\_round\* ti\_til\_gjellende\_siffer + 1.0); real\_rounded:= DINT\_TO\_REAL(int\_round)\*ti\_til\_gjellende\_siffer; END\_IF;

Data Name: handling\_ved\_kritisk\_alarm



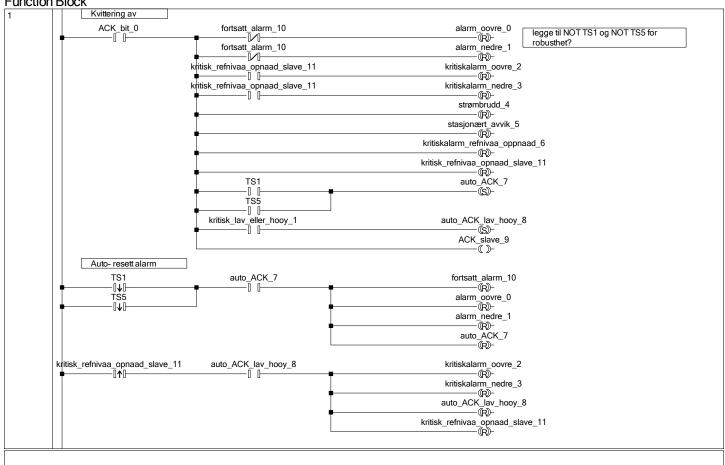
Data Name: kritisk\_refnivaa\_oppnaad

Function Block

| Solve Niva | Innenfor\_reformaade\_0 | kritisk\_lav\_eller\_hooy\_1 | EN BNO | Tankniva mellom 52% og | 48% | EN BNO | 48% | EN BNO | E

Data Name: kvittering\_av\_alarmer

Function Block



Data Name: Lampe\_Alarm

Function Block kritisk\_lav\_eller\_hooy\_0 OUT T EN ENO TCoil TValue auto\_ACK\_lav\_hooy\_8 TS0 -[[∕[]-TC0 -blinkrate\_6 -5 Hz lampe\_5HZ lampe\_5HZ kritisk\_lav\_eller\_hooy\_0 lampe\_5HZ TS0 strømbrudd\_7 TS0 -[]∕[]-1 Hz alarm\_oovre\_2

alarm\_nedre\_3

lightharpoonup | Stasjonært\_avvik\_4 fortsatt\_alarm\_5 kritisk\_lav\_eller\_hooy\_0 lampe\_1HZ M8013 -0 0-Konstant fortsatt\_alarm\_5 kritisk\_lav\_eller\_hooy\_0 lampe\_konstant

auto\_ACK\_lav\_hooy\_8 lampe\_5HZ alarm\_lampe\_0 lampe\_konstant

Data Name: lavpass\_filter\_tanknivaa

_		<b>D</b> : :
Ηı	inction	n Block
	コロしいし	DIOCK

Function Block

tastetid float:= INT\_TO\_REAL (samplingstid\_0)/100.0;
eksponent:= tastetid\_float\*omega\_0\*two\_pi;
flter\_faktor:= EXP(eksponent);
input\_float:= INT\_TO\_REAL (lest\_tanknivaa\_1);
avg\_maaling:= filter\_faktor\* avg\_maaling\_k\_minus\_1 + (1.0-filter\_faktor)\* input\_float;
avg\_maaling\_k\_minus\_1:= avg\_maaling;
DEROUND\_1(real\_to\_round:= avg\_maaling, glelende\_siffer\_input:= 0);
tanknivaa\_filtrert\_0:= REAL\_TO\_INT(DEROUND\_1.real\_rounded);

Data Name: lavpass\_filter\_utstrøm

_				_	
H١	ın/	~†1 <i>/</i>	าท	ĸı	ock
	uı ıv	, LIV	<i>_</i> 11	יט	OCK

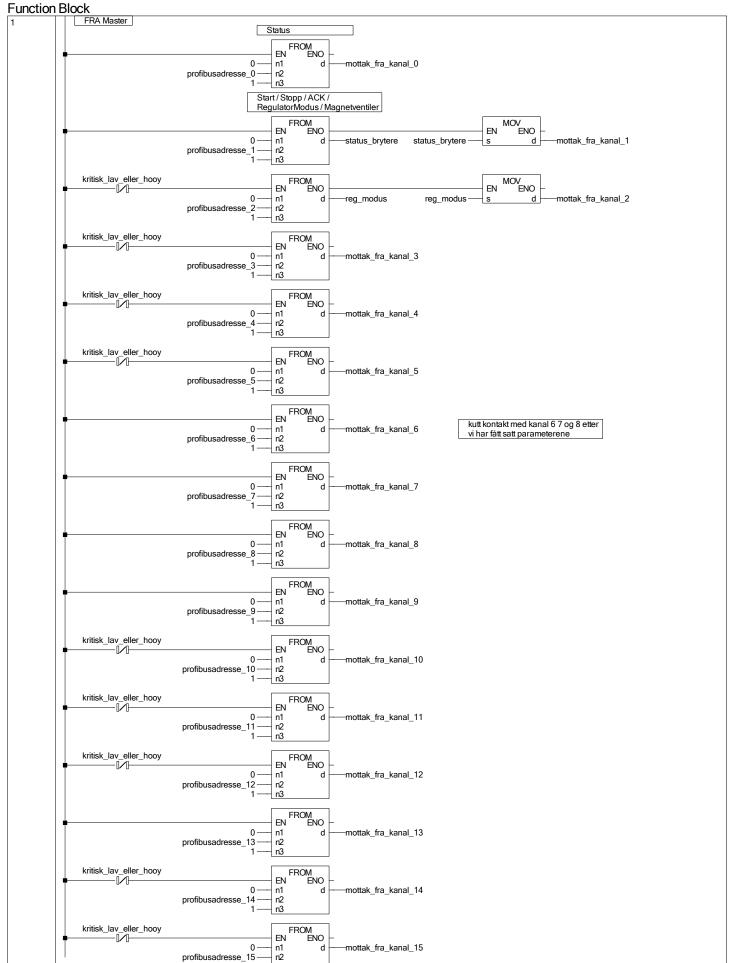
Function Block

tastetid float := INT\_TO\_REAL (samplingstid\_0)/100.0;
eksponent := -tastetid\_float\*omega\_0\*two\_pi;
flter\_faktor := EXP(eksponent);
input\_float := INT\_TO\_REAL (ulstroom\_analogt\_1);
avg\_maaling := filter\_faktor\* avg\_maaling\_k\_minus\_1 + (1.0 - filter\_faktor)\* input\_float;
avg\_maaling\_k\_minus\_1 := avg\_maaling;
DEROUND\_1(real\_to\_round := avg\_maaling, glelende\_siffer\_input := 0);
utstroom\_filtrert\_0 := REAL\_TO\_INT(DEROUND\_1.real\_rounded);

Data Name : Lead\_lag Function Block

| Firesety THEN | last v = 00, | last u, fk = 000, | last u, fk = 0.00, | l

Data Name : mottak\_av\_data\_fra\_master



25

FB/FUN Program
Data Name : mottak\_av\_data\_fra\_master
Function Block

26

Data Name: PID\_regulator

```
Function Block
```

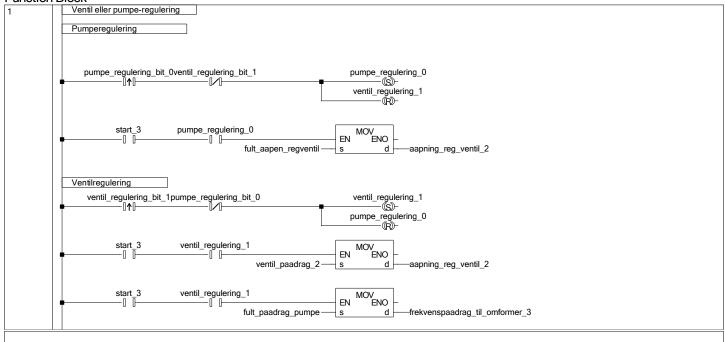
```
IF (reset) THEN last_up := 0.0; last_ui := 0.0;
        last ud := 0.0;
        last_y := 0.0;
  last_u_nom := 0.00;
END_IF;
 Kp_ut := INT_TO_REAL(Kp)/100.00;
Ti_ut := INT_TO_REAL(Ti)/100.00;
Td_ut := INT_TO_REAL(Td)/100.00;
Ts_ut := INT_TO_REAL(Ts)/100.00;
d_fit := INT_TO_REAL(n)/100.00;
  e_reg:= r_1-y_1;
 alpha:=Ts_ut/Ti_ut;
beta:=Td_ut/(Td_ut+d_filt*Ts_ut);
 IF (up-last_up>INT_TO_REAL((atebegrensing)) THEN up := last_up+INT_TO_REAL((atebegrensing); ELSIF (up-last_up<INT_TO_REAL(0-atebegrensing)) THEN up := last_up-INT_TO_REAL((atebegrensing);
  IF (e_reg)<0.00 THEN
 konstant := 1.00;
ELSE
  konstant := 1.00;
END_IF;
  ui := last_ui + Kp_ut*alpha* e_reg*konstant+u_it+u_antiwindup;
  IF (ui-last_ui>INT_TO_REAL(ratebegrensing)) THEN
 ui := last_ui+INT_TO_REAL(hatebegrensing);
ELSIF (ui-last_ui<INT_TO_REAL(hatebegrensing)) THEN
ui := last_ui-INT_TO_REAL(hatebegrensing);
  END IF;
   ud := beta*last_ud-Kp_ut*(Td_ut/Ts_ut)*(1.00-beta)*(y_1-last_y);
  IF (ud-last_ud>INT_TO_REAL(ratebegrensing)) THEN
 in (wheel with in the Architecture of the Arc
 (*velger regulatortype*)
CASE regulator_type OF
        u_reg := manual_input;
 ui := 0.00;
(* up := 0.00;
        ud := 0.00;*)
        u_reg := up+u_nominel+u_fk+u_rykkfri;
 ui := u_nominet;
(* ud := 0.00;*)
        u_reg := up+ui+u_fk+u_rykkfri;
         (*ud := 0.00;*)
        u_reg := up+ud+u_nominel+u_fk+u_rykkfri;
        ui := u_nominel;
  u_reg:= up+ui+ud+u_fk+u_rykkfri;
END_CASE;
   ut:=ureg;
  IF u_reg<0.00 THEN
 u_reg := 0.00;
END_IF;
IF (u_reg-last_u>INT_TO_REAL(ratebegrensing)) THEN
u_reg := last_u+INT_TO_REAL(ratebegrensing);
ELSIF (u_reg-last_u<INT_TO_REAL(0-ratebegrensing)) THEN
u_reg := last_u-INT_TO_REAL(ratebegrensing);
END_IF;
  u_nom := u_nominel;
IF (u_nomineHast_u_nom>INT_TO_REAL(ratebegrensing)) THEN u_nom := last_u_nom+INT_TO_REAL(ratebegrensing); ELSIF (u_nomineHast_u_nom<INT_TO_REAL(0-ratebegrensing)) THEN u_nom := last_u_nom - INT_TO_REAL(ratebegrensing); END_IF;
 last_u_nom := u_nom;
last_u := u_reg;
 last_up := up;
last_ui := ui;
  last_ud := ud;
 last_y := y_1;
u_ut := u_reg;
```

FB/FUN Program	5/3/2024
FB/FUN Program Data Name : PID_regulator Function Block	
T CHICKIOT BIOCK	

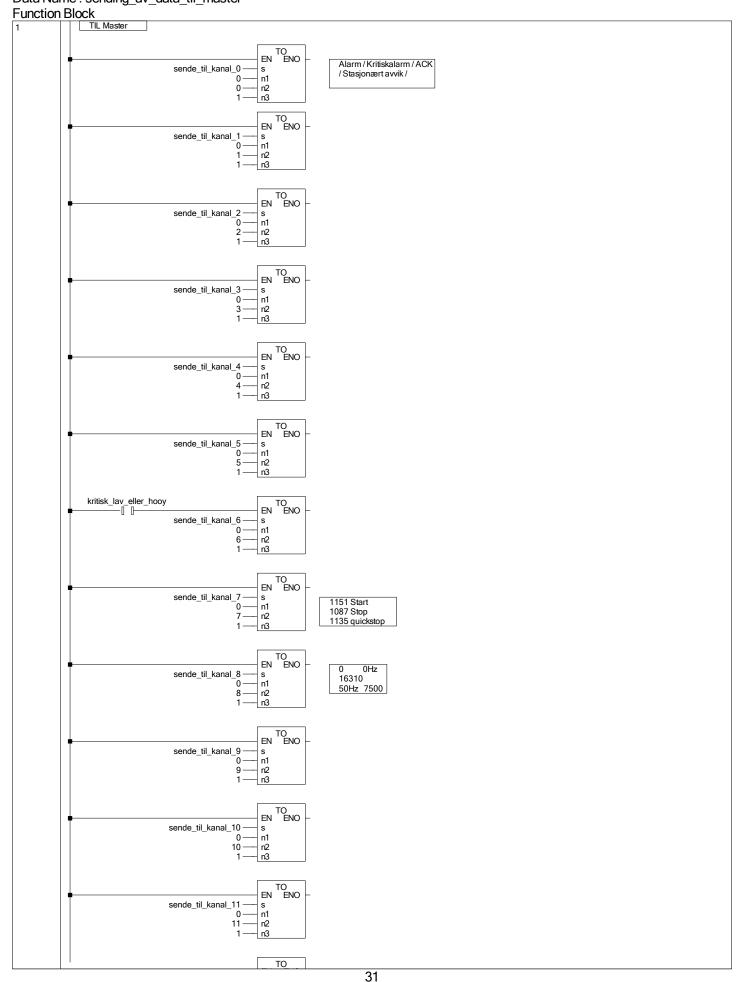
FB/FUN Program	5/3/2024
FB/FUN Program  Data Name: Referanseglatter	
Function Block   F (M8002) THEN	
IF (M8002) THEN   lest nut := 0.0:	
_lastlast_rut := 0.0;	
Ts_ut := INT_TO_REAL(Ts)/100.00; r_glatting := r_inn;	
r_glatting := r_inn;	
referanse_ut := (Ts_ut*Ts_ut*a_rglatt*r_glatting-lastlast_rut+(2.00+b*Ts_ut)*last_rut)(1.00+Ts_ut*b+a_rglatt*Ts_ut*Ts_ut);	
lastlast_rut := last_rut;	
last_rut := referanse_ut;	

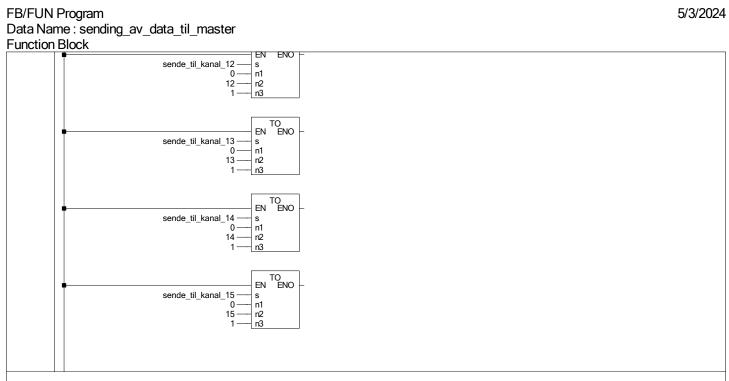
Data Name: reguleringsmodus

Function Block



Data Name : sending\_av\_data\_til\_master





Data Name: skalering\_paadrag

Function Block

IF pumpe\_regulering THEN;
DEROUND\_1(real\_to\_round := paadrag\_fra\_regulator\_0'84.85 + 7825.0, gjelende\_siffer\_input := 0);
frekverspaadrag\_til\_omformer\_1 := REAL\_TO\_INT(DEROUND\_1.real\_rounded);
ELSIF ventil\_regulering THEN;
DEROUND\_2(real\_to\_round := paadrag\_fra\_regulator\_0'35.0 + 500.0, gjelende\_siffer\_input := 0);
ventil\_paadrag\_2 := REAL\_TO\_INT(DEROUND\_2.real\_rounded);
END\_IF;
DEROUND\_3(real\_to\_round := paadrag\_fra\_regulator\_0'100.0, gjelende\_siffer\_input := 0);
paadrag\_til\_scada\_0 := REAL\_TO\_INT(DEROUND\_3.real\_rounded);
manuelt\_paadrag\_til\_regulator\_3 := INT\_TO\_REAL(paadrag\_manuelt\_1)/100.0;
u0\_nompaadrag\_til\_regulator\_4 := INT\_TO\_REAL(u0\_nompaadrag\_fra\_scada\_2)/100.0;

FB/FUN Program
Data Name : skalering\_referanse
Function Block

DEROUND_1(real_to_round := referanse_til_PID_0*9.9 + 510.0, gjelende_siffer_input := 0);	
referanse_ti_PID_0:= INT_TO_REAL(referanse_0)/100.0; DEROUND_1(real_to_round:= referanse_ti_PID_0*9.9+510.0; gielende_siffer_input:= 0); ref_skalert_som_tankmaaling_1:= REAL_TO_INT(DEROUND_1.real_rounded); DEROUND_2(real_to_round:= glatt_referanse_ti*100.0, gielende_siffer_input:= 0); glatt_referanse_ti_scada_2:= REAL_TO_INT(DEROUND_2.real_rounded);	
gent_rereranse_tr_scada_z:= REAL_TO_INT(DERCOND_z.real_rounded);	ᅥ

Data Name: skalering\_tanknivaa Function Block

If (tanknivaa\_fitrett\_0 < 510) THEN;
tanknivaa\_fitrett\_0 < 510) THEN;
tanknivaa\_til\_regulator\_1 := 0.0;
tanknivaa\_skalert\_til\_scada\_0 := 0;
ELSE
tanknivaa\_til\_regulator\_1 := INT\_TO\_REAL(tanknivaa\_fitrett\_0.510)/9.9;
DEROUND\_1(real\_to\_round := INT\_TO\_REAL(tanknivaa\_fitrett\_0.510)/9.9\*100.0, gjelende\_siffer\_input := 0);
tanknivaa\_skalert\_til\_scada\_0 := REAL\_TO\_INT(DEROUND\_1.real\_rounded);
END\_IF; 5/3/2024

FB/FUN Program
Data Name : skalering\_til\_bruker\_ven\_og\_omf

	_	_	-	_	_	_	-	<u> </u>	_	-
	٠	+	:an 1	$\supset$ I $\sim$	ماد					
Г	uı	ICι	ion l	$\supset$ IC	CK					
					_	_				
11	– tre	<b>k</b> ve	nsnaar	lran	til on	ntoı	mer	0 < 782	5 THE	-N·

frekvens skalert 0 := 0;  ELSE
DEROUND_1(real_to_round := (INT_TO_REAL(frekvenspaadrag_til_omformer_0) - 7825.0)/0.8485, gjelende_siffer_input := 0); frekvens_skalert_0 := REAL_TO_INT(DEROUND_1.real_rounded); END_IF; DEROUND_2(real_to_round := (INT_TO_REAL(aapning_reg_ventil_1) - 500.0)/0.35, gjelende_siffer_input := 0); ventil_skalert_1 := REAL_TO_INT(DEROUND_2.real_rounded);
END_IF;  DEROUND 2(real to round:= (INT_TO_REAL(aapning_reg_ventil_1)-500.0)(0.35, gjelende_siffer_input := 0);
ventil_skalert_1 := REAL_TO_INT(DEROUND_2 real_rounded);
36

FB/FUN Program 5/3/2024

Data Name: skalering\_utstroom

Function Block

IF utstroom\_fitrert\_0 < 400 THEN;
utstroom\_til\_regulator\_0 := 0.0;
utstroom\_til\_scada\_1 := 0;
ELSE
utstroom\_til\_regulator\_0 := INT\_TO\_REAL(utstroom\_fitrert\_0-400)/12.35;
DEROUND\_2(real\_to\_round := INT\_TO\_REAL(utstroom\_fitrert\_0-400)/20.00, gielende\_siffer\_input := 2);
utstroom\_til\_scada\_1 := REAL\_TO\_INT(DEROUND\_2 real\_rounded\*100.00);
END\_IF;

5/3/2024

FB/FUN Program
Data Name : skalering\_ventil Function Block

DEROUND\_1(real\_to\_round:= INT\_TO\_REAL(ventl\_input - 500)/0.35, gielende\_siffer\_input := 0);

ventl\_scada:= REAL\_TO\_INT(DEROUND\_1.real\_rounded);

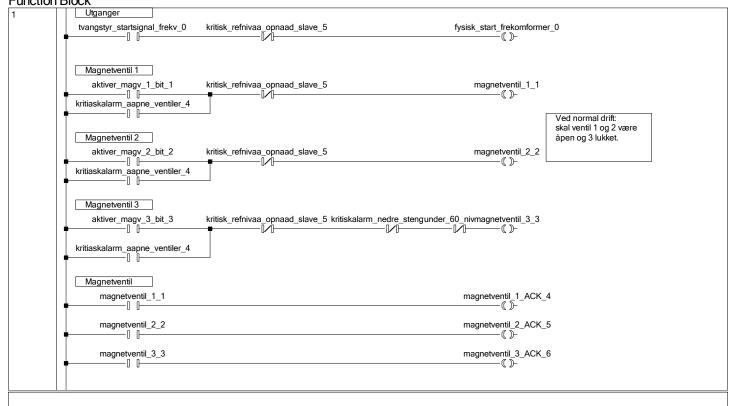
ventl\_regulator:= INT\_TO\_REAL(ventl\_input - 500)/35.0; FB/FUN Program 5/3/2024

Data Name: Tracking Function Block

```
| Fireseth Telexit
| best u_gridwindp:=0.00; |
| best_u_gridwindp:=0.00; |
| Ts_ut:=INT_TO_REAL(T_spi00.00; |
| T_ut:=INT_TO_REAL(T_spi00.00; |
| u_gw=u_metring=u_t; |
| u_f:=u_t; |
| Fireseth Telexit; |
| u_f:=u_t; |
| Fireseth Telexit; |
| u_gw+5.000;-0.000; |
| The Telexit; |
| u_gw+5.000;-0.000; |
| U_gw+5.000;-0.000;-0.000; |
| U_gw+5.000;-0.000;-0.000;-0.000; |
| U_gw+5.000;-0.000;-0.000;-0.000;-0.000;-0.000; |
| U_gw+5.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.000;-0.0
```

FB/FUN Program

Data Name: utganger Function Block



FB/FUN Program
Data Name : utregning\_stasjonært\_avvik
Function Block 5/3/2024

stasjonæt_avvik_verdi_0 := ABS(ref_skalert_til_tankmaaling_0-tanknivaa_filtrert_1);
IF ((stasjoneert_avvik_verdi_0>= 99 ) AND (start_2) AND (NOT ack_3))THEN; myTimer(IN := TRUE, PT := T#60s); ELSE
ELSE   myTimer(IN := FALSE);   END_IF;
IF myTimer.QTHEN   stasjonæet_avvk_1:= TRUE;   ELSE
ELSE stasjonæet_avvik_1:= FALSE; END_IF;

## Label Data Name : Global1 Global Label Setting

1	Class VAR GLOBAL	Label Name tanknivaa_analogt	Data Type Word[Signed]	Constant	Device D8260	Address %MW0.8260	Comment	Remark NIVÁMÁLER	Relation with System Label	System Label Name	Attribute
	VAR_GLOBAL	utstroom_analogt	Word[Signed]		D8261	%MW0.8261 %MW0.8262		FLOWMETER FACTOR			
4	VAR_GLOBAL	send_aapning_reg_ventil	Word[Signed]		D8262	лом vvu.6262		ÅPNING REGVENTIL			
5	VAR_GLOBAL	start_bit	Bit		M101	%MX0.101		M100 til M199 Reserveres TIL SLAVE			
7	VAR_GLOBAL	stopp_bit	Bit		M100	%MX0.100					
8	VAR_GLOBAL VAR_GLOBAL		Bit Bit		M102 M103	%MX0.102 %MX0.103					
10	VAR_GLOBAL	aktiver_magv_2_bit	Bit		M104	%MX0.104					
11	VAR_GLOBAL VAR_GLOBAL		Bit Bit		M105 M106	%MX0.105 %MX0.106					
13	VAR_GLOBAL	pumpe_regulering_bit	Bit		M107	%MX0.107					
14	VAR_GLOBAL VAR_GLOBAL		Bit Bit		M108 M109	%MX0.108 %MX0.109					
16	VAR_GLOBAL	testmodus_bit	Bit		M110	%MX0.110					
	VAR_GLOBAL VAR_GLOBAL	kritisk_lav_eller_hooy_bit reg_modus_bit	Bit Bit		M111 M112	%MX0.111 %MX0.112	Til og med M115				
19	VAR_GLOBAL	reg_modus_bit	Dit		MTIZ	76MIXU.112	III og med M I IS				
20	VAR_GLOBAL	tvangstyr_startsignal_frekv	Bit		M1	%MX0.1	Aktiver kontaktor for startsignal til omformer	M0 til M99 Reservert INTERNT i slave			
22	VAR_GLOBAL	intern_start_regventil	Bit		M2	%MX0.2					
23 24	VAR_GLOBAL	intern_aktiver_magventil_1	Bit		M4	%MX0.4	Lokalt for slave				
25	VAR_GLOBAL	intern_aktiver_magventil_2	Bit		M5	%MX0.5	Lokalt for slave				
26 27	VAR_GLOBAL	intern_aktiver_magventil_3	Bit		M6	%MX0.6	Lokalt for slave				
28					D0	%MW0.0					
30	VAR_GLOBAL VAR_GLOBAL	tanknivaa_til_scada lest_tanknivaa	Word[Signed] Word[Signed]		D1	%MW0.0		LAGRING AV WORDS			
31	VAR_GLOBAL	status_brytere	Word[Signed]		D2	%MW0.2	Start,stopp,ACK og AutoModus				
32	VAR_GLOBAL VAR_GLOBAL	paadrag_til_scada referanse	Word[Signed] Word[Signed]		D4 D5	%MW0.4 %MW0.5	Start,stopp,ACK og AutoModus				
34	VAR_GLOBAL	Td	Word[Signed]		D6	%MW0.6					
	VAR_GLOBAL VAR_GLOBAL	Ti Kp	Word[Signed] Word[Signed]		D7 D8	%MW0.7 %MW0.8					
37	VAR_GLOBAL	reg_modus	Word[Signed]		D9	%MW0.9	4bit				
38	VAR_GLOBAL VAR_GLOBAL	u0_nompaadrag_fra_scada samplingstid	Word[Signed] Word[Signed]		D10 D12	%MW0.10 %MW0.12					
40	VAR GLOBAL	tau_lead	Word[Signed]		D13	%MW0.13					
41	VAR_GLOBAL VAR GLOBAL	tau_lag d_filter	Word[Signed] Word[Signed]		D14 D15	%MW0.14 %MW0.15					
43	VAR_GLOBAL	d_filter rate_limit	Word[Signed]		D16	%MW0.16					
44	VAR_GLOBAL	tt	Word[Signed]		D17	%MW0.17	Engage de la constant				
46	VAR_GLOBAL	kfk	Word[Signed]		D18	%MW0.18	Foroverkoblingsparameter				
47	VAR_GLOBAL	utstroom_filtrert	Word[Signed]		D20	%MW0.20					
49	VAR_GLOBAL	lest_utstroom	Word[Signed]		D21	%MW0.21					
50	VAR_GLOBAL	ref_skalert_som_tankmaaling	Word[Signed]		D22	%MW0.22					
51 52	VAR_GLOBAL VAR_GLOBAL	aapning_reg_ventil tanknivaa_filtrert	Word[Signed] Word[Signed]		D23 D24	%MW0.23 %MW0.24					
53	VAR_GLOBAL	stasjonært_avvik_verdi	Word[Signed]		D25	%MW0.25					
54	VAR_GLOBAL	paadrag_regulator	Word[Signed]		D26	%MW0.26	RegulatorParmarametere				
56	VAR_GLOBAL	control_word	Word[Signed]		D32	%MW0.32					
	VAR_GLOBAL VAR_GLOBAL	frekvenspaadrag_til_omformer paadrag_manuelt	Word[Signed] Word[Signed]		D33	%MW0.33 %MW0.34					
59	VAR_GLOBAL	frekvens_skalert	Word[Signed]		D35	%MW0.35					
60	VAR_GLOBAL	ventil_paadrag	Word[Signed]		D36	%MW0.36					
61	VAR_GLOBAL VAR_GLOBAL	ventil_skalert glatt_referanse_til_scada	Word[Signed] Word[Signed]		D37	%MW0.37 %MW0.38					
63	VAR_GLOBAL	utstroom_til_scada	Word[Signed]			%MW0.39					
64 65	VAR_GLOBAL	tanknivaa_til_regulator	FLOAT (Single Precision)		D40	%MD0.40					
66	VAR_GLOBAL	referanse_til_PID	FLOAT (Single Precision)		D42	%MD0.42					
67	VAR_GLOBAL VAR_GLOBAL	glatt_referanse u0_nompaadrag_til_regulator	FLOAT (Single Precision) FLOAT (Single Precision)		D44 D46	%MD0.44 %MD0.46					
69	VAR_GLOBAL	paadrag_fra_regulator	FLOAT (Single Precision)		D48	%MD0.48					
	VAR_GLOBAL	manuelt_paadrag_til_regulator	FLOAT (Single Precision)		D50	%MD0.50					
	VAD CLOBAL										
71	VAR_GLOBAL VAR_GLOBAL	forrige_paadrag_regulator utstroom_til_regulator	FLOAT (Single Precision) FLOAT (Single Precision)		D52 D54	%MD0.52 %MD0.54					
72 73	VAR_GLOBAL	forrige_paadrag_regulator utstroom_til_regulator	FLOAT (Single Precision) FLOAT (Single Precision)		D52 D54	%MD0.52 %MD0.54					
72 73 74	VAR_GLOBAL VAR_GLOBAL VAR_GLOBAL VAR_GLOBAL VAR_GLOBAL	forrige_paadrag_regulator	FLOAT (Single Precision)		D52	%MD0.52					
72 73 74 75 76	VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL	forrige_paadrag_regulator utstroom_til_regulator ubrukt_2 ubrukt_3 ubrukt_4	FLOAT (Single Precision) FLOAT (Single Precision) Word[Signed] Word[Signed] Word[Signed]		D52 D54 D100 D101 D102	%MD0.52 %MD0.54 %MW0.100 %MW0.101 %MW0.102					
72 73 74 75 76	VAR_GLOBAL VAR_GLOBAL VAR_GLOBAL	forrige_paadrag_regulator utstroom_til_regulator ubrukt_2 ubrukt_3	FLOAT (Single Precision) FLOAT (Single Precision) Word[Signed] Word[Signed]		D52 D54 D100 D101	%MD0.52 %MD0.54 %MW0.100 %MW0.101					
72 73 74 75 76 77 78 79	VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL_CONSTANT	forrige_pasdrag_regulator utstroom_6i_regulator utrutkt_2 utrutkt_2 utrutkt_3 utrutkt_14 utrutkt_15 start_omformer	FLOAT (Single Precision)  FLOAT (Single Precision)  Word(Signed)  Word(Signed)  Word(Signed)  Word(Signed)  Word(Signed)  Word(Signed)	1151	D52 D54 D100 D101 D102	%MD0.52 %MD0.54 %MW0.100 %MW0.101 %MW0.102		KONSTANTER			
72 73 74 75 76 77 78 79	VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT	forrige_pasdrag_regulator ustercom_ill_regulator ubruid_2 ubruid_3 ubruid_4 ubruid_15 start_omformer stopp_cmformer quickstop_omformer	FLOAT (Single Precision)  FLOAT (Single Precision)  Word[Signed]  Word[Signed]  Word[Signed]  Word[Signed]  Word[Signed]	1151 1087 1135	D52 D54 D100 D101 D102	%MD0.52 %MD0.54 %MW0.100 %MW0.101 %MW0.102		KONSTANTER			
72 73 74 75 76 77 78 79 80 81 82	VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT	forrige pasdrag, regulator dataroom, sii, regulator ubrulat, 2 duhrulat, 2 duhrulat, 3 duhrulat, 4 duhrulat, 15 start, omformer stopp, omformer guickstop, omformer full, sapen, regeventil	FLOXT (Single Precision) FLOXT (Single Precision) Word[Signed]	1087 1135 4000	D52 D54 D100 D101 D102	%MD0.52 %MD0.54 %MW0.100 %MW0.101 %MW0.102		KONSTANTER			
72 73 74 75 76 77 78 79 80 81 82 83	VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT	forige pasdrag regulator  darratt 2  darratt 3  darratt 3  darratt 4  darratt 15  start, omformer  stopp, omformer  full, sapen, regventi  full, tukket, regventil	FLOAT (single Precision) FLOAT (single Precision) Word!Signed	1087 1135	D52 D54 D100 D101 D102	%MD0.52 %MD0.54 %MW0.100 %MW0.101 %MW0.102	15310 for skalering	KONSTANTER			
72 73 74 75 76 77 78 79 80 81 82 83 84	VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT  VAR_GLOBAL_CONSTANT	forrige pasdrag, regulator dataroom, sii, regulator ubrulat, 2 duhrulat, 2 duhrulat, 3 duhrulat, 4 duhrulat, 15 start, omformer stopp, omformer guickstop, omformer full, sapen, regeventil	FLOXT (Single Precision) FLOXT (Single Precision) Word[Signed]	1087 1135 4000 500	D52 D54 D100 D101 D102	%MD0.52 %MD0.54 %MW0.100 %MW0.101 %MW0.102	16310 for skalering 16310 for skalering	KONSTANTER			
72 73 74 75 76 77 78 80 81 82 83 84 85	VAR GLOBAL  CONSTANT  VAR GLOBAL  VAR GLOBAL  CONSTANT	borrige_posadrag_regulator ustroom_81_regulator ust	FLOXT (Single Precision) FLOXT (Single Precision) Word[Signed]	1087 1135 4000 500	D52 D54 D100 D101 D102	%MD0.52 %MD0.54 %MW0.100 %MW0.101 %MW0.102		KONSTANTER			
72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87	VAR GLOBAL  VAR GL	borrige_posadrag_regulator ustroom_81_regulator ustroom_81_regulator ustroom_81_regulator ustroom_81_regulator ustroom_81_regulator ustroom_81_81_81_81_81_81_81_81_81_81_81_81_81_	FLOAT (Single Precision)  Word[Signed]	1087 1135 4000 500	D52 D54 D100 D101 D102	%MD0.52 %MD0.54 %MW0.100 %MW0.101 %MW0.102		KONSTANTER			
72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88	VAR GLOBAL  CONSTANT  VAR GLOBAL	toringe_pasdrag_regulator ustroom_8i_regulator stroom_8i_regulator stroom_8i	FLOXT (Single Precision) FLOXT (Single Precision) Word[Signed]	1087 1135 4000 500	D92 D94 D160 D161 D162 D163 D163 D163 D160 D160	\$MM0.52 \$MM0.54 \$MMV0.100 \$MMV0.101 \$MWV0.102 \$MWV0.103	16310 fer skalering	KONSTANTER			
72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90	VAR GLOBAL	forrige pasdrag regulator ustartom, III sanda, III pasdrag, pumpe III sanda, III pasdrag, pumpe III sanda, pumpe III pasdrag, pumpe III sanda, III san	FLOAT (single Precision)  FLOAT (single Precision)  WordSigned  B B B B B B B B B B B B B B B B B B B	1087 1135 4000 500	D92 D94 D100 D101 D101 D102 D103 V000 V000	%MM0.52 %MM0.54 %MM0.54 %MMV0.100 %MMV0.101 %MMV0.103 %MMV0.103	16310 fer skalering				
72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 91 92	VAR GLOBAL	toringe_pasdrag_regulator ustroom_sit_regulator sit_regulator	FLOXT (Single Precision) FLOXT (Single Precision) Word[Signed]	1087 1135 4000 500	D92 D94 D100 D101 D101 D102 D103 V000 V000 V000 V000 V000	%MM0.52 %MM0.54 %MM0.54 %MMV0.100 %MMV0.101 %MMV0.103 %MMV0.103 %MMV0.103 %MMV0.103	16310 fer skalering				
72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93	VAR GLOBAL	forrige pasdrag regulator ustarom, III regulator, III said, III padrag, pumpe III said, III padrag, pumpe III said, II	FLOXT (Single Precision) FLOXT (Single Precision) Word[Signed]	1087 1135 4000 500	D92 D94 D100 D101 D101 D102 D103 V000 V000 V000 V000 V000	%MM0.52 %MM0.54 %MMV0.100 %MWV0.101 %MWV0.102 %MWV0.103 %MWV0.103	16310 fer skalering  K4 Alarmfampe K1				
72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 96	VAR GLOBAL	toringe_pasdrag_regulator udsrudt_2 udsrudt_3 udsrudt_15 udsrudt_15 start_omformer stopp_omformer quickstop_omformer full_appen_regulator full_appen_regulat	FLOAT (Single Precision) FLOAT (Single Precision) Word[Signed] Ba Ba Ba Ba Ba Ba	1087 1135 4000 500	DB2 DB4 D100 D101 D101 D102 D103 D102 D100 D100 D100 D100 D100 D100 D100	%MM0.52 %MM0.54 %MMV0.100 %MWV0.101 %MWV0.102 %MWV0.103 %MWV0.103 %MWV0.103 %MWV0.103 %MWV0.103	16310 for akalering K4 Alamitampe K1 K2				
72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 99 91 92 92 93 94 95 96	VAR GLOBAL	forrige pasdrag regulator ustroom, III regulator, III said, III pasdrag pumpe in light pasdrag pump	FLOAT (Single Precision)  FLOAT (Single Precision)  WordSigned  Ba  Ba  Ba  Ba  Ba  Ba	1087 1135 4000 500	D92 D94 D100 D101 D101 D102 D103 V000 V000 V000 V000 V000	%MM0.52 %MM0.54 %MM0.54 %MMV0.100 %MMV0.101 %MMV0.103 %MMV0.103 %MMV0.103 %MMV0.103	16310 for akalering K4 Alamitampe K1 K2				
72 73 74 75 75 76 80 81 82 83 83 84 85 86 87 90 91 92 93 94 95 99	VAR GLOBAL	Forige_pasding_regulator ustroom_81_regulator ustroom_81_regulator ustroom_81_regulator ustroom_81_regulator ustroom_81_regulator ustroom_81_regulator ustroom_81_regulator ustroom_81_regulator ustroom_81_regulator start_omformer st	FLAT (Single Precision)  FLAT (Single Precision)  Word(Signed)  Ba  Ba  Ba  Ba  Ba  Ba  Ba  Ba  Ba  B	1087 1135 4000 500	DB2 DB4	%MM0.52 %MM0.54 %MMV0.100 %MWV0.101 %MWV0.102 %MWV0.103	16310 for akalering K4 Alamitampe K1 K2				
72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 96 97	VAR GLOBAL	toringe_pasdrag_regulator ustroom_sit_regulator ustroom_sit_regula	FLOAT (Single Precision) FLOAT (Single Precision) Word[Signed] Ba Ba Ba Ba Ba Ba Ba Ba	1087 1135 4060 500 116310 0 0	DB2 DB4 D100 D101 D101 D102 D102 D103 D102 D103 D102 D103 D102 D103 D100 D100 D100 D100 D100 D100 D100	%MM0.52 %MM0.54 %MM0.100 %MW0.101 %MW0.102 %MW0.103 %MW0.	16310 for akalering K4 Alamitampe K1 K2	UTGANGER			
72 73 74 75 75 76 77 78 80 81 82 83 84 85 86 87 90 91 92 93 93 94 95 96 97 98 99 100 100 100 100	VAR GLOBAL	borrige_pasdrag_regulator ubruitd_2 ubruitd_3 ubruitd_15 start_minormer stopp_omformer quickstop_omformer quickstop_omformer flut_sapen_regulator flut_sapen	FLOAT (Single Precision) FLOAT (Single Precision) Word[Signed] Ball Ball Ball Ball Ball Ball Ball Bal	1087 1135 4060 500 116310 0 0	DB2 DB4 D100 D101 D101 D102 D103 D102 D103 D102 D103 D102 D103 D102 D100 D100 D100 D100 D100 D100 D100	%MM0.52 %MM0.54 %MM0.100 %MM0.101 %MM0.101 %MM0.102 %MM0.103	16310 for akalering K4 Alamitampe K1 K2	UTGANGER			
72 73 74 75 75 77 79 80 81 81 82 83 84 84 85 86 87 90 91 92 93 94 95 96 99 99	VAR GLOBAL	Borrige pasdrag regulator  ubruid 2  ubruid 3  ubruid 3  ubruid 15  start, onformer  start, onformer  start, onformer  subp, omformer  subp, omformer  subp, omformer  subp, omformer  full, label, regventil  full,	FLAT (Single Precision)  FLAT (Single Precision)  Word(Signed)	1087 1135 4060 500 116310 0 0	DS2 DS4 D100 D101 D100 D101 D102 D102 D103 D102 D103 D100 D100 D100 D100 D100 D100 D100	"SAMDO S2 "SAMOUS S1 "SAMWU 100 "SAMWU 101 "SAMWU 101 "SAMWU 102 "SAMWU 103 "SAMWU 200 "SAMWU 200 "SAMWU 200 "SAMWU 200 "SAMWU 200 "SAMWU 200	16310 for akalering K4 Alamitampe K1 K2	UTGANGER			
72 73 74 75 75 76 77 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 96 97 97 97 98 98 98 99 90 90 90 90 90 90 90 90 90 90 90 90	WAR GLOBAL	Eurige pasadrag regulator  utartoom, 81 regulator  uta	FLOAT (Single Precision)  FLOAT (Single Precision)  Word[Signed]  Word[S	1067 1135 4000 500 105 10 10 10 10 10 10 10 10 10 10 10 10 10	DB2 DB4 D100 D5101 D100 D101 D102 D102 D102 D100 D100 D	"SAMOS SE "SAMOS SE "SAMOS SI "SAMOVO, 100 "SAMOVO, 101 "SAMOVO, 101 "SAMOVO, 102 "SAMOVO, 103 "	16310 for akalering K4 Alamitampe K1 K2	UTGANGER			
72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 91 92 93 93 94 95 96 97 97 98 99 100 101 102 102 103 104 105 105 105 105 105 105 105 105	VAR GLOBAL	borrige_pasdrag_regulator  ubruist_2  ubruist_3  ubruist_3  ubruist_15  start_omformer  stopp_omformer  quickstop_omformer  quickstop_omformer  full_sapen_regulator  full_sapen	FLOAT (Single Precision) FLOAT (Single Precision) Word[Signed]  Ba	1067 1135 4000 500 105 10 10 10 10 10 10 10 10 10 10 10 10 10	DB2 DB4 D100 D101 D101 D102 D102 D103 D103 D103 D103 D103 D103 D103 D103	%MM0.0 S2 %MM0.0 S4 %MM0.0 S4 %MM0.101 %MM0.101 %MM0.102 %MM0.103 %MM0.103 %MM0.103 %MM0.103 %MM0.205 %MM0.205 %MM0.200	16310 for akalering K4 Alamitampe K1 K2	UTGANGER			
72 73 74 75 76 77 78 80 81 82 83 83 84 85 89 90 90 101 102 102 103 104 105 106 107 107 108 108 109 109 109 109 109 109 109 109 109 109	VAR GLOBAL	borrige_pasdrag_regulator  ubruist_2  ubruist_3  ubruist_3  ubruist_15  start_omformer  stopp_omformer  quickstop_omformer  quickstop_omformer  full_sapen_regulator  full_sapen	FLOXT (Single Precision) FLOXT (Single Precision) Word[Signed]  Ba	1067 1135 4000 500 105 105 105 105 105 105 105 105	DB2 DB4 D100 D101 D101 D102 D102 D103 D103 D103 D103 D103 D103 D103 D103	%MM0.0 S2 %MM0.0 S4 %MM0.0 S4 %MM0.101 %MM0.101 %MM0.102 %MM0.103 %MM0.103 %GXX1 %GXX0 %GXX1 %GXX5 %GXX6 %X %X %X %X %X %X %X %X %X %X %X %X %X	16310 for akalering K4 Alamitampe K1 K2	UTGANGER			
72 73 74 75 76 77 78 80 81 82 83 84 85 85 86 87 90 91 92 93 94 100 101 102 103 105 106 107 108	WAR GLOBAL	borrige pasadrag regulator  ubruist 2, regulator  ubruist 3, ubruist 3, ubruist 3, ubruist 3, ubruist 1, 15  start, ubruist 1, 15  s	FLOAT (Single Precision) FLOAT (Single Precision) Word[Signed] Word[Si	1067 1135 4000 500 15310 0 0 20	DB2 DB4 D100 DB4 D100 D101 D101 D102 D102 D102 D103 D100 D100 D100 D100 D100 D100 D100	\$5MM0.92 \$5MMV0.100 \$5MMV0.101 \$5MMV0.101 \$5MMV0.102 \$5MMV0.102 \$5MMV0.103 \$5MMV0.103 \$5MMV0.103 \$5MMV0.103 \$5MMV0.103 \$5MMV0.103 \$5MMV0.103 \$5MMV0.103 \$5MMV0.103 \$5MMV0.200 \$5MMV0.210 \$5MMV0.211 \$5MMV0.211	16310 for skalering  K4  Alarmianpe  K1  C2  K3	UTGANGER			
72 73 74 75 76 77 78 79 80 81 82 83 84 85 89 90 91 92 93 94 102 103 104 105 105 105 105 105 105 105 105	VAR GLOBAL	Corrige pasdrag, regulator ustronous, il regulator ustronous	FLOAT (Single Precision) FLOAT (Single Precision) Word[Signed] Word[Si	1067 1135 4000 500 105 10 10 10 10 10 10 10 10 10 10 10 10 10	DB2 DB4 D100 D54 D100 D101 D101 D102 D102 D100 D102 D100 D100	\$5MM0.92   \$5MMV0.100   \$5MMV0.101   \$5MMV0.101   \$5MMV0.102   \$5MMV0.103   \$5MMV0.200   \$5MMV0.	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER			
72 73 74 75 76 77 78 77 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 97 98 99 90 101 102 103 104 105 105 105 105 105 105 105 105	VAR GLOBAL	Corrige pasdrag, regulator ustronous, il regulator ustronous	FLOAT (Single Precision) FLOAT (Single Precision) Word[Signed]  Ba	1067 1135 4000 500 105 10 10 10 10 10 10 10 10 10 10 10 10 10	DS2 DS4 D100 D101 D101 D102 D103 D102 D103 D109 D109 D109 D109 D109 D109 D109 D109	%MM0.0 S2 %MM0.0 S4 %MM0.0 10 %MMV0.100 %MMV0.101 %MMV0.102 %MMV0.103 %MMV0.103 %MMV0.103 %MMV0.103 %MMV0.0 %M	16310 for skalering  K4 Alarminape K3 K3 K3 K4 K4 K4 K4 K4 K5 K6	UTGANGER			
72 73 74 75 76 77 78 77 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 100 101 102 103 104 105 105 105 105 105 105 105 105	VAR GLOBAL  VAR, GLOBAL	Corrige pasdrag, regulator ustroom, 81, 81, 81, 81, 81, 81, 81, 81, 81, 81	FLOAT (Single Precision) FLOAT (Single Precision) Word[Signed] Word[Si	1067 1135 4000 500 105 10 10 10 10 10 10 10 10 10 10 10 10 10	DB2 DB4 D100 D101 D101 D102 D102 D103 D103 D103 D103 D103 D103 D103 D103	%MM00 S2  %MM00 S4  %MM00 S4  %MM00 S1  %MM00 S10  %MM0	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER			
72 73 74 75 76 77 77 78 79 80 81 82 83 84 85 86 87 88 89 90 101 102 103 104 105 105 107 108 109 109 109 109 109 109 109 109	WAR GLOBAL	borrige pasadrag regulator  ubrould 2  ubrould 3  ubrould 3  ubrould 15  start_omnormer  stopp_omnormer  quickstop_omnormer  quickstop_omnormer  quickstop_omnormer  quickstop_omnormer  quickstop_omnormer  full_ubrould_ubro	FLOAT (Single Precision) FLOAT (Single Precision) Word[Signed] Word[Si	1067 1135 4000 500 105 10 10 10 10 10 10 10 10 10 10 10 10 10	DB2 DB4 D100 DB4 D100 D101 D101 D102 D102 D103 D103 D100 D100 D100 D100 D100 D100	\$5MM0.92 \$5MMV0.100 \$5MMV0.101 \$5MMV0.101 \$5MMV0.102 \$5MMV0.102 \$5MMV0.103 \$5MMV0.203 \$5MMV0.200	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER			
72 73 74 75 76 77 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 92 93 94 100 101 105 105 105 105 105 105	WAR GLOBAL	toringe_pasdrag_regulator ubruist_2 ubruist_3 ubruist_3 ubruist_3 ubruist_15 start_omformer stopp_omformer quickstop_omformer quickstop_omformer flut_sapen_regulator flut_sapen_	FLOAT (Single Precision)  FLOAT (Single Precision)  Word[Signed]  Band	1067 1135 4000 500 105 10 10 10 10 10 10 10 10 10 10 10 10 10	DB2 DB4 D100 DB4 D100 D101 D101 D102 D102 D103 D100 D100 D100 D100 D100 D100 D100	\$4MM0.92   \$4MMV0.100   \$5MMV0.101   \$5MMV0.101   \$5MMV0.102   \$5MMV0.103   \$5MMV0.200   \$5MMV0.200   \$5MMV0.200   \$5MMV0.200   \$5MMV0.201   \$5MMV0.211   \$5MMV0.215   \$5MMV0.215   \$5MMV0.215   \$5MMV0.215   \$5MMV0.215   \$5MMV0.216   \$5MMV0.216   \$5MMV0.217   \$5MMV0.216   \$5MMV0.217   \$5MMV0.216   \$5MMV0.217   \$5MMV0.217   \$5MMV0.216   \$5MMV0.217   \$5MMV0.216   \$5MMV0.217   \$5MMV0.216   \$5MMV0.217   \$5MMV0.217   \$5MMV0.216   \$5MMV0.217   \$5MMV0.200	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER			
72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 99 90 91 102 103 104 105 106 107 108 109 101 111 111 111 111 111 111	VAR GLOBAL	borrige_pasdrag_regulator  ubruist_2  ubruist_3  ubruist_3  ubruist_3  ubruist_15  start_omformer  stopo_mformer  quickstop_omformer  quickstop_omformer  full_sapen_regulator	FLOX (Single Precision) FLOX (Single Precision) Word(Signed) Word(Sign	1067 1135 4000 500 105 10 10 10 10 10 10 10 10 10 10 10 10 10	DS2 DS4 D100 D101 D101 D102 D103 D103 D103 D103 D103 D103 D103 D103	\$5MM0.0 S2 \$MM0.0 S4 \$MM0.0 101 \$5MM0.101 \$5MM0.101 \$5MM0.102 \$5MM0.103 \$5MM0.103 \$5MM0.103 \$5MM0.103 \$5MM0.103 \$5MM0.103 \$5MM0.103 \$5MM0.203 \$5MM	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER  WIERNT I SLAVE			
72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 87 90 91 92 93 94 105 106 107 108 109 110 111 112 113 114 115 116 117 118	WAR GLOBAL	borrige_posadrag_regulator  ubrould_2 ubrould_3 ubrould_3 ubrould_15 ubrould_15 start_omnformer stopp_omnformer stopp_omnformer spop_omnformer spop_omnforme	FLOX (Single Precision) FLOX (Single Precision) Word[Signed] Word[Sign	1087 1135 4000 500 105 10 10 10 10 10 10 10 10 10 10 10 10 10	DB2 DB4 D100 DB4 D100 D101 D101 D102 D102 D103 D100 D100 D100 D100 D100 D100 D100	\$4MM0.92   \$5MMV0.100   \$5MMV0.101   \$5MMV0.101   \$5MMV0.102   \$5MMV0.103   \$5MMV0.200   \$5MMV0.200   \$5MMV0.200   \$5MMV0.200   \$5MMV0.200   \$5MMV0.201   \$5MMV0.211   \$5MMV0.215   \$5MMV0.215   \$5MMV0.215   \$5MMV0.216   \$5MMV0.216   \$5MMV0.201   \$5MMV0.200   \$5MMV0.	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER  WIERNT I SLAVE			
72 73 74 75 76 77 78 80 80 81 82 83 84 85 86 87 90 90 90 90 90 90 90 100 102 102 102 103 104 105 105 105 105 105 105 105 105 105 105	WAR GLOBAL	borrige_posadrag_regulator  ubrould_2 ubrould_3 ubrould_3 ubrould_15 ubrould_15 start_omnformer stopp_omnformer subcp_omnformer subcp_omnforme	FLOAT (Single Precision)  FLOAT (Single Precision)  Word[Signed]  Band  Ba	1067 1135 4000 500 16510 0 0 20 1	DB2 DB4 D100 DB4 D100 D101 D102 D102 D103 D102 D103 D102 D100 D102 D100 D102 D100 D102 D100 D102 D100 D102 D100 D100	\$4MM0.92   \$5MMV0.100   \$5MMV0.101   \$5MMV0.101   \$5MMV0.102   \$5MMV0.103   \$5MMV0.200   \$5MMV0.200   \$5MMV0.200   \$5MMV0.201   \$5MMV0.	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER  INTERNT I SLAVE  INTERNT I SLAVE  M300 III M399 beholdes FRA SLAVE			
72 73 74 75 76 77 77 78 80 80 80 80 80 80 80 90 90 90 90 191 192 293 80 90 101 102 103 104 105 105 105 105 105 105 105 105 105 105	VAR GLOBAL	borrige_pasdrag_regulator  ubruist_2  ubruist_3  ubruist_3  ubruist_3  ubruist_15  start_omformer  stopp_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  full_apaner_operettil  full_lukket_regventil  full_abket_regventil  full_abket_regventil  full_abket_regventil  full_abket_regventil  full_abket_regventil  full_abket_regventil  full_abardrag_pumpe  hysisk_start_frekomformer  alarm_lampe  magnetentil_2  magnetentil_3  strembruid  strembruid	FLOAT (Single Precision) FLOAT (Single Precision) Word[Signed] Word[Si	1067 1135 4000 500 16510 0 0 20 1	DS2 DS4 D100 D54 D100 D101 D102 D102 D103 D103 D103 D103 D103 D103 D103 D103	\$5MM00.52 \$5MMV0.100 \$5MMV0.101 \$5MMV0.101 \$5MMV0.101 \$5MMV0.102 \$5MMV0.103 \$5MMV0.203	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER  WIERNT I SLAVE			
73 74 75 76 77 77 78 80 81 82 83 84 85 86 90 90 100 100 100 100 100 100 100 100 1	VAR GLOBAL  VAR, GLOBAL	borrige_pasdrag_regulator  ubruist_2  ubruist_3  ubruist_3  ubruist_15  start_omformer  stopo_moremer  quickstop_omformer  quickstop_omformer  quickstop_omformer  full_sapen_regulator  full_sapen_re	FLOX (Single Precision) FLOX (Single Precision) Word(Signed) Word(Sign	1067 1135 4000 500 16310 0 0 20	DS2 DS4 D100 D54 D100 D101 D102 D102 D103 D103 D103 D103 D103 D103 D103 D103	\$5MM00.52 \$5MM00.54 \$5MM00.51 \$5MM00.101 \$5MM00.101 \$5MM00.101 \$5MM00.101 \$5MM00.102 \$5MM00.103 \$5MM00.103 \$5MM00.103 \$5MM00.103 \$5MM00.103 \$5MM00.103 \$5MM00.103 \$5MM00.103 \$5MM00.203 \$5MM00.203 \$5MM00.203 \$5MM00.203 \$5MM00.211 \$5MM00.212 \$5MM00.213	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER  INTERNT I SLAVE  INTERNT I SLAVE  M300 III M399 beholdes FRA SLAVE			
72 73 74 75 76 77 78 80 80 81 81 82 83 84 85 86 89 90 90 90 90 90 90 90 90 90 100 102 102 102 103 104 105 105 105 105 105 105 105 105 105 105	WAR GLOBAL	borrige pasadrag regulator  ubrould 2  ubrould 3  ubrould 3  ubrould 15  start_montomer  stopp_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  full_pasadrag_pumpe  prisperses_darmgrense  blinkrate  blinkrate  blinkrate  blinkrate  blinkrate  blinkrate  start_trekomformer  alarm_lumpe  mal_pasadrag_pumpe  hysiak_start_trekomformer  alarm_lumpe  mal_preteredil_3  start  stopp  thinkrate  stopp.start  stop, fort, law hooy  upder got privas  start  stop, fort, law hooy  under got privas  start  stop, start  start  stop, start  stop, start  stop, start  stop, start  start  stop, start  start  start  stop, start  start  start  start  stop  start  start  start  stop  start  start  start  start  start  stop  start  st	FLOX (Single Precision)  FLOX (Single Precision)  Word[Signed]  Word[Sig	1067 1135 4000 500 16310 0 0 20	DE2 DE4 DE500 DE510 DE51	\$4MM0.92   \$5MMV0.100   \$5MMV0.101   \$5MMV0.101   \$5MMV0.102   \$5MMV0.102   \$5MMV0.103   \$5MMV0.200   \$5MMV0.200   \$5MMV0.200   \$5MMV0.200   \$5MMV0.201   \$5MMV0.200   \$5MMV0.201   \$5MMV0.200   \$5MMV0.	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER  INTERNT I SLAVE  INTERNT I SLAVE  M300 III M399 beholdes FRA SLAVE			
72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 90 90 90 90 100 100 100 10	VAR GLOBAL  VAR, GLOBAL	borrige pasadrag regulator  ubrould 2  ubrould 3  ubrould 3  ubrould 15  start_montomer  stopp_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  full_pasadrag_pumpe  prisperses_darmgrense  blinkrate  blinkrate  blinkrate  blinkrate  blinkrate  blinkrate  start_trekomformer  alarm_lumpe  mal_pasadrag_pumpe  hysiak_start_trekomformer  alarm_lumpe  mal_preteredil_3  start  stopp  thinkrate  stopp.start  stop, fort, law hooy  upder got privas  start  stop, fort, law hooy  under got privas  start  stop, start  start  stop, start  stop, start  stop, start  stop, start  start  stop, start  start  start  stop, start  start  start  start  stop  start  start  start  stop  start  start  start  start  start  stop  start  st	FLOX (Single Precision) FLOX (Single Precision) Word(Signed) Word(Sign	1067 1135 4000 500 16310 0 0 20	DE2 DE4 DE500 DE510 DE51	\$5MM00.52 \$5MM00.54 \$5MM00.51 \$5MM00.101 \$5MM00.101 \$5MM00.101 \$5MM00.101 \$5MM00.102 \$5MM00.103 \$5MM00.103 \$5MM00.103 \$5MM00.103 \$5MM00.103 \$5MM00.103 \$5MM00.103 \$5MM00.103 \$5MM00.203 \$5MM00.203 \$5MM00.203 \$5MM00.203 \$5MM00.211 \$5MM00.212 \$5MM00.213	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER  INTERNT I SLAVE  INTERNT I SLAVE  M300 III M399 beholdes FRA SLAVE			
72 73 74 75 76 77 77 78 80 81 82 83 84 85 86 87 88 89 90 90 191 192 193 194 195 196 197 197 198 198 198 198 198 198 198 198	VAR GLOBAL	burige_pasdrag_regulator  ubruist_2  ubruist_3  ubruist_3  ubruist_3  ubruist_15  start_omformer  stopp_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  full_apaner_operetiii  full_lukket_regventii  full_abket_regventii  full_abket_regventii  full_abket_regventii  full_abket_regventii  full_abket_regventii  full_abket_regventii  full_abket_regventii  full_abket_regventii  full_abket_regventii  full_abardrag_pumpe  hysisk_start_fekomformer  alarm_lampe  magneteentii_3  magneteentii_1  magneteentii_2  magneteentii_3  strembruidd  st	FLOAT (Single Precision)  FLOAT (Single Precision)  Word Signed  Word	1067 1135 4000 500 16310 0 0 2 2 1 1	DS2 DS4 D100 D54 D100 D101 D102 D102 D103 D103 D103 D103 D103 D103 D103 D103	\$4MM0.052 \$5MMV0.100 \$5MMV0.101 \$5MMV0.101 \$5MMV0.101 \$5MMV0.102 \$5MMV0.102 \$5MMV0.103 \$5MMV0.203 \$5MMV0.213 \$5MMV0.213 \$5MMV0.213 \$5MMV0.213 \$5MMV0.215	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER  INTERNT I SLAVE  INTERNT I SLAVE  M300 III M399 beholdes FRA SLAVE			
72 73 74 75 76 77 78 80 80 81 82 83 84 85 86 89 90 90 91 92 92 93 94 102 102 103 104 105 106 107 108 108 108 108 108 108 108 108	WAR GLOBAL	buring pasadrag regulator  ubrukt 2  ubrukt 3  ubrukt 3  ubrukt 4  ubrukt 15  start_omformer  stopp_omformer  quckstop_omformer  quckstop_omformer  quckstop_omformer  quckstop_omformer  quckstop_omformer  full_pasadrag_pumpe  pumpe	FLOX (Single Precision) FLOX (Single Precision) Word[Signed] Word[Sign	1987 1987 1980 1980 1980 1980 1980 1980 1980 1980	DB2 DB4 D100 DB4 D100 D101 D101 D102 D102 D103 D103 D100 D100 D102 D100 D100 D100 D100 D100	\$4MM0.92   \$5MMV0.100   \$5MMV0.101   \$5MMV0.101   \$5MMV0.102   \$5MMV0.102   \$5MMV0.103   \$5MMV0.200   \$5MMV0.200   \$5MMV0.200   \$5MMV0.200   \$5MMV0.201   \$5MMV0.	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER  INTERNT I SLAVE  INTERNT I SLAVE  M300 III M399 beholdes FRA SLAVE			
72 73 74 75 76 77 78 80 80 81 82 83 84 85 86 89 90 90 91 92 93 93 94 101 102 103 104 105 106 107 108 108 108 108 108 108 108 108	WAR GLOBAL	buring pasadrag regulator  ubrukt 2  ubrukt 3  ubrukt 3  ubrukt 15  start_omformer stopp_omformer quckstop_omformer quckstop_omformer quckstop_omformer quckstop_omformer quckstop_omformer flict_pasadrag_pumpe printip_omformer flict_pasadrag_pumpe flict_pasadrag_pas	FLOX (Single Precision)  FLOX (Single Precision)  Word[Signed]  Word[Sig	1067 1135 4000 500 100 100 100 100 100 100 100 100	DB2 DB4 D100 DB4 D100 D101 D102 D102 D103 D103 D103 D103 D103 D103 D103 D103	\$4MM0.0 S2 \$MMV0.100 \$5MMV0.101 \$5MMV0.101 \$5MMV0.102 \$5MMV0.102 \$5MMV0.103 \$5MMV0.203 \$5MMV0.203 \$5MMV0.203 \$5MMV0.203 \$5MMV0.203 \$5MMV0.201 \$	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER  INTERNT I SLAVE  INTERNT I SLAVE  M300 III M399 beholdes FRA SLAVE			
72 73 74 75 76 77 78 80 81 82 83 84 85 86 90 91 92 93 94 95 96 97 98 99 90 101 102 103 105 106 107 108 109 109 109 109 109 109 109 109	VARR GLOBAL VARR G	burige_pasdrag_regulator  ubruist_2  ubruist_3  ubruist_3  ubruist_3  ubruist_15  start_omformer  stopp_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  full_apadrag_pumpe  prist_apadrag_pumpe  prist_apadraga_pumpe  prist_apadraga_pumped  prist_apadrag	FLOAT (Single Precision)  FLOAT (Single Precision)  Word Signed  Word	1987 1135 4000 500 18510 0 2 2 1 1	DS2 DS4 D100 D54 D100 D101 D102 D102 D103 D103 D103 D103 D103 D103 D103 D103	\$4MM0.0 S2 \$MMV0.100 \$5MMV0.101 \$5MMV0.101 \$5MMV0.102 \$5MMV0.102 \$5MMV0.103 \$5MMV0.203 \$	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER  INTERNT I SLAVE  INTERNT I SLAVE  M300 III M399 beholdes FRA SLAVE			
73 74 75 76 77 77 78 80 81 82 83 84 85 86 86 87 88 89 90 101 102 103 105 105 107 102 113 114 115 119 119 111 111 111 111 111 111 111	WAR GLOBAL	buring pasadrag, regulator  ubrukt_2  ubrukt_3  ubrukt_4  ubrukt_4  ubrukt_15  start_omformer  stopp_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  quickstop_omformer  full_pasadrag_pumpe  prisperses_dammgrense  blinkrate  blinkrate	FLOX (Single Precision)  FLOX (Single Precision)  Word[Signed]  Word[Sig	1087 1135 4000 500 100 100 100 100 100 100 100 100	DB2 DB4 D100 DB4 D100 D101 D102 D102 D103 D103 D103 D103 D103 D103 D103 D103	\$4MM0.0 S2 \$MMV0.100 \$5MMV0.101 \$5MMV0.101 \$5MMV0.102 \$5MMV0.102 \$5MMV0.103 \$5MMV0.203 \$5MMV0.203 \$5MMV0.203 \$5MMV0.203 \$5MMV0.201 \$	16310 for skalering  K4 Alarmianpe K1 C2 K3 M213 et M215 M213 et M215 M213 et M215	UTGANGER  INTERNT I SLAVE  INTERNT I SLAVE  M300 III M399 beholdes FRA SLAVE			
72 73 74 75 76 77 77 78 80 81 82 83 84 85 86 87 99 99 99 99 90 100 101 102 103 104 105 106 107 108 108 109 109 109 109 109 109 109 109	WAR GLOBAL	buringe pasadrag regulator  ubroukt 2  ubroukt 3  ubroukt 3  ubroukt 3  ubroukt 15  start_omformer stopp_omformer quckstop_omformer quckstop_omformer quckstop_omformer quckstop_omformer flat_pasket_regventil flat_pasket_	FLOX (Single Precision)  FLOX (Single Precision)  Word[Signed]  Word[Sig	1087 1135 4000 500 100 100 100 100 100 100 100 100	DB2 DB4 D100 DB4 D100 D101 D102 D102 D103 D102 D103 D102 D100 D102 D100 D102 D100 D102 D100 D102 D100 D102 D100 D100	\$MM00.92 \$MMV0.100 \$MMV0.101 \$MMV0.101 \$MMV0.101 \$MMV0.101 \$MMV0.102 \$MMV0.102 \$MMV0.103 \$MMV0.203 \$MMV0.2	16310 for skalening  K4 Alarmanpe K1 T1 K2 K3 M213 in M215 M213 in M215 M213 in M215	UTGANGER  INTERNT I SLAVE  INTERNT I SLAVE  M300 III M399 beholdes FRA SLAVE			
72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 91 91 91 92 93 94 94 105 105 105 105 105 105 105 105	WAR GLOBAL	buringe pasadrag regulator  ubroukt 2  ubroukt 3  ubroukt 3  ubroukt 3  ubroukt 15  start_omformer stopp_omformer quckstop_omformer quckstop_omformer quckstop_omformer quckstop_omformer flat_pasket_regventil flat_pasket_	FLOX (Single Precision)  FLOX (Single Precision)  Word[Signed]  Word[Sig	1087 1135 4000 500 100 100 100 100 100 100 100 100	DB2 DB4 D100 DB4 D100 D101 D102 D102 D103 D102 D103 D102 D100 D102 D100 D102 D100 D102 D100 D102 D100 D102 D100 D100	\$MM00.92 \$MMV0.100 \$MMV0.101 \$MMV0.101 \$MMV0.101 \$MMV0.101 \$MMV0.102 \$MMV0.102 \$MMV0.103 \$MMV0.203 \$MMV0.2	16310 for skalening  K4 Alarmanpe K1 T1 K2 K3 M213 in M215 M213 in M215 M213 in M215	UTGANGER  INTERNT I SLAVE  INTERNT I SLAVE  M300 III M399 beholdes FRA SLAVE			

Data Name : Global1 Global Label Setting

_											
	Class	Label Name	Data Type	Constant	Device	Address	Comment	Remark	Relation with System Label	System Label Name	Attribute
139	VAR_GLOBAL	frk_VLT	Bit		M401	%MX0.401					
140	VAR_GLOBAL	frk_motor_coasting	Bit		M402	%MX0.402					
141	VAR_GLOBAL	frk_trip	Bit		M403	%MX0.403					
142	VAR_GLOBAL	frk_on_2	Bit		M404	%MX0.404					
143	VAR_GLOBAL	frk_on_3	Bit		M405	%MX0.405					
144		frk_stop_enable	Bit		M406	%MX0.406					
145		frk_warning	Bit		M407	%MX0.407					
146	VAR_GLOBAL	frk_speed_ref	Bit		M408	%MX0.408					
147	VAR_GLOBAL	frk_local_operation	Bit		M409	%MX0.409					
148	VAR_GLOBAL	frk_frequency_ok	Bit		M410	%MX0.410					
149	VAR_GLOBAL	frk_running	Bit		M411	%MX0.411					
150	VAR_GLOBAL	frk_spenning_ok	Bit		M413	%MX0.413					
151	VAR_GLOBAL	frk_moment_ok	Bit		M414	%MX0.414					
152	VAR GLOBAL	frk termisk varsel	Bit		M415	%MX0.415					

Data Name : POU\_01 Local Label Setting

	Class	Label Name	Data Type	Constant	Device	Address	Comment
1	VAR	lavpass_filter_1	lavpass_filter_tanknivaa				
2	VAR	lavpass_filter_2	lavpass_filter_utstrøm				
3	VAR	DEROUND_1	DEROUND				
4	VAR	DEROUND_2	DEROUND				
5	VAR	Lampe_Alarm_1	Lampe_Alarm				
6	VAR	DEROUND_5	DEROUND				
7	VAR	DEROUND_6	DEROUND				
8	VAR	DEROUND_7	DEROUND				
9	VAR	DEROUND_3	DEROUND				
10	VAR	DEROUND_4	DEROUND				
11	VAR	skalering_tanknivaa_1	skalering_tanknivaa				
12	VAR	skalering_ventil_1	skalering_ventil				
13	VAR	skalering_paadrag_1	skalering_paadrag				
14	VAR	skalering_referanse_1	skalering_referanse				
15	VAR	utregning_stasjonært_avvik_1	utregning_stasjonært_avvik				
16	VAR	skalering_til_bruker_ven_og_o mf1	skalering_til_bruker_ven_og_omf				
17	VAR	skalering_utstroom_1	skalering_utstroom				
18	VAR	mottak_av_data_fra_master_1	mottak_av_data_fra_master				
19	VAR	sending_av_data_til_master_1	sending_av_data_til_master				
20	VAR	kvittering_av_alarmer_1	kvittering_av_alarmer				
21	VAR	utganger_1	utganger				
22	VAR	kritisk_refnivaa_oppnaad_1	kritisk_refnivaa_oppnaad				
23	VAR	reguleringsmodus_1	reguleringsmodus				
24	VAR	handling_ved_kritisk_alarm_1	handling_ved_kritisk_alarm				
25	VAR	alarmgrenser_1	alarmgrenser				

Data Name : Regulator Local Label Setting

	Class	Label Name	Data Type	Constant	Device	Address	Comment
1	VAR	Lead_lag_1	Lead_lag				
2	VAR	Tracking_1	Tracking				
3	VAR	PID_regulator_1	PID_regulator				
4	VAR	Referanseglatter_1	Referanseglatter				
5	VAR	resettverdier	Bit				
6	VAR	integralledd	FLOAT (Single Precision)				
7	VAR	uit	FLOAT (Single Precision)				
8	VAR	ut	FLOAT (Single Precision)				

Data Name : stroombrudd Local Label Setting

Class	Label Name	Data Type	Constant	Device	Address	Comment

Data Name : alarmgrenser Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	start_0	Bit		
2	VAR_INPUT	ACK_bit_1	Bit		
3	VAR_INPUT	tanknivaa_filtrert_2	Word[Signed]		
4					
5	VAR_OUTPUT	kritiskalarm_oovre_0	Bit		
6	VAR_OUTPUT	kritiskalarm_nedre_1	Bit		
7	VAR_OUTPUT	kritisk_lav_eller_hooy_2	Bit		
8	VAR_OUTPUT	alarm_oovre_3	Bit		
9	VAR_OUTPUT	alarm_nedre_4	Bit		
10	VAR_OUTPUT	fortsatt_alarm_5	Bit		

Data Name : DEROUND Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	real_to_round	FLOAT (Single Precision)		
2	VAR_INPUT	gjelende_siffer_input	Word[Signed]		
3	VAR	gjelende_siffer_real	FLOAT (Single Precision)		
4	VAR	ti_til_gjellende_siffer	FLOAT (Single Precision)		
5	VAR	int_round	Double Word[Signed]		
6	VAR_OUTPUT	real_rounded	FLOAT (Single Precision)		

Data Name : handling\_ved\_kritisk\_alarm Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	kritiskalarm_oovre_0	Bit		
2	VAR_INPUT	kritiskalarm_nedre_1	Bit		
3	VAR_INPUT	tanknivaa_filtrert_2	Word[Signed]		
4					
5	VAR_OUTPUT	referanse_0	Word[Signed]		
6	VAR_OUTPUT	reg_modus_1	Word[Signed]		
7	VAR_OUTPUT	u0_nompaadrag_fra_scada_2	Word[Signed]		
8	VAR_OUTPUT	under_60_nivaa_3	Bit		

Data Name : kritisk\_refnivaa\_oppnaad Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	innenfor_refomraade_0	Bit		
2	VAR_INPUT	kritisk_lav_eller_hooy_1	Bit		
3					
4	VAR_OUTPUT	kritisk_refnivaa_opnaad_slave_	Bit		
5	VAR_OUTPUT	kritiskalarm_refnivaa_oppnaad_	Bit		
6	VAR_OUTPUT	frekvenspaadrag_til_omformer_	Word[Signed]		
7	VAR_OUTPUT	control_word_3	Word[Signed]		
8	VAR_OUTPUT	aapning_reg_ventil_4	Word[Signed]		

Data Name : kvittering\_av\_alarmer Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	ACK_bit_0	Bit		
2	VAR_INPUT	kritisk_lav_eller_hooy_1	Bit		
3					
4	VAR_OUTPUT	alarm_oovre_0	Bit		
5	VAR_OUTPUT	alarm_nedre_1	Bit		
6	VAR_OUTPUT	kritiskalarm_oovre_2	Bit		
7	VAR_OUTPUT	kritiskalarm_nedre_3	Bit		
8	VAR_OUTPUT	strømbrudd_4	Bit		
9	VAR_OUTPUT	stasjonært_avvik_5	Bit		
10	VAR_OUTPUT	kritiskalarm_refnivaa_oppnaad_	Bit		
11	VAR_OUTPUT	auto_ACK_7	Bit		
12	VAR_OUTPUT	auto_ACK_lav_hooy_8	Bit		
13	VAR_OUTPUT	ACK_slave_9	Bit		
14	VAR_OUTPUT	fortsatt_alarm_10	Bit		
15	VAR_OUTPUT	kritisk_refnivaa_opnaad_slave_ 11	Bit		

Data Name : Lampe\_Alarm Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	kritisk_lav_eller_hooy_0	Bit		
2	VAR_INPUT	alarm_lampe_1	Bit		
3	VAR_INPUT	alarm_oovre_2	Bit		
4	VAR_INPUT	alarm_nedre_3	Bit		
5	VAR_INPUT	stasjonært_avvik_4	Bit		
6	VAR_INPUT	fortsatt_alarm_5	Bit		
7	VAR_INPUT	blinkrate_6	Word[Signed]		
8	VAR_OUTPUT	alarm_lampe_0	Bit		
9	VAR_INPUT	strømbrudd_7	Bit		
10	VAR_INPUT	auto_ACK_lav_hooy_8	Bit		
11					
12	VAR	lampe_5HZ	Bit		
13	VAR	lampe_1HZ	Bit		
14	VAR	lampe_konstant	Bit		

Data Name : lavpass\_filter\_tanknivaa Function/FB Label Setting

Class	Label Name	Data Type	Constant	Comment
VAR_CONSTANT	omega_0	FLOAT (Single Precision)	0.2	cutoff frekvens. 16.4: 0.25 mye støy?? gamle:0.0384
VAR_CONSTANT	two_pi	FLOAT (Single Precision)	6.28	2*pi
VAR_INPUT	samplingstid_0	Word[Signed]		
VAR	input_float	FLOAT (Single Precision)		
VAR	avg_maaling	FLOAT (Single Precision)		
VAR	avg_maaling_k_minus_1	FLOAT (Single Precision)		
VAR	filter_faktor	FLOAT (Single Precision)		
VAR	eksponent	FLOAT (Single Precision)		
VAR	tastetid_float	FLOAT (Single Precision)		
VAR_INPUT	lest_tanknivaa_1	Word[Signed]		
VAR_OUTPUT	tanknivaa_filtrert_0	Word[Signed]		
VAR	DEROUND_1	DEROUND		
	VAR_CONSTANT  VAR_CONSTANT  VAR_INPUT  VAR  VAR  VAR  VAR  VAR  VAR  VAR  VA	VAR_CONSTANT omega_0  VAR_CONSTANT two_pi  VAR_INPUT samplingstid_0  VAR input_float  VAR avg_maaling  VAR avg_maaling_k_minus_1  VAR filter_faktor  VAR eksponent  VAR tastetid_float  VAR_INPUT lest_tanknivaa_1  VAR_OUTPUT tanknivaa_filtrert_0	VAR_CONSTANT omega_0 FLOAT (Single Precision)  VAR_CONSTANT two_pi FLOAT (Single Precision)  VAR_INPUT samplingstid_0 Word[Signed]  VAR input_float FLOAT (Single Precision)  VAR avg_maaling FLOAT (Single Precision)  VAR avg_maaling FLOAT (Single Precision)  VAR avg_maaling_k_minus_1 FLOAT (Single Precision)  VAR filter_faktor FLOAT (Single Precision)  VAR eksponent FLOAT (Single Precision)  VAR tastetid_float FLOAT (Single Precision)  VAR WAR tastetid_float FLOAT (Single Precision)  VAR_INPUT lest_tanknivaa_1 Word[Signed]  VAR_OUTPUT tanknivaa_filtrert_0 Word[Signed]	VAR_CONSTANT         omega_0         FLOAT (Single Precision)         0.2           VAR_CONSTANT         two_pi         FLOAT (Single Precision)         6.28           VAR_INPUT         samplingstid_0         Word[Signed]           VAR         input_float         FLOAT (Single Precision)           VAR         avg_maaling         FLOAT (Single Precision)           VAR         avg_maaling_k_minus_1         FLOAT (Single Precision)           VAR         filter_faktor         FLOAT (Single Precision)           VAR         eksponent         FLOAT (Single Precision)           VAR         tastetid_float         FLOAT (Single Precision)           VAR_INPUT         lest_tanknivaa_1         Word[Signed]           VAR_OUTPUT         tanknivaa_filtrert_0         Word[Signed]

Data Name : lavpass\_filter\_utstrøm Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_CONSTANT	omega_0	FLOAT (Single Precision)	0.2	cutoff frekvens. 16.4: 0.25 mye støy?? gamle:0.0384
2	VAR_CONSTANT	two_pi	FLOAT (Single Precision)	6.28	2*pi
3	VAR_INPUT	samplingstid_0	Word[Signed]		
4	VAR_INPUT	utstroom_analogt_1	Word[Signed]		
5	VAR_OUTPUT	utstroom_filtrert_0	Word[Signed]		
6	VAR	input_float	FLOAT (Single Precision)		
7	VAR	avg_maaling	FLOAT (Single Precision)		
8	VAR	avg_maaling_k_minus_1	FLOAT (Single Precision)		
9	VAR	filter_faktor	FLOAT (Single Precision)		
10	VAR	eksponent	FLOAT (Single Precision)		
11	VAR	tastetid_float	FLOAT (Single Precision)		
12	VAR	DEROUND_1	DEROUND		

Data Name : Lead\_lag Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_OUTPUT	u_fk	FLOAT (Single Precision)		
2	VAR_INPUT	Kf	Word[Signed]		random konstant per nå
3	VAR	forstyrr	FLOAT (Single Precision)		forstyrrelse
4	VAR_INPUT	Tlead	Word[Signed]		random konstant per nå
5	VAR_INPUT	Tlag	Word[Signed]		random konstant per nå
6	VAR	last_v	FLOAT (Single Precision)		
7	VAR_INPUT	Ts	Word[Signed]		
8	VAR	last_u_fk	FLOAT (Single Precision)		
9	VAR_INPUT	leadlag	Bit		
10	VAR	Kf_ny	FLOAT (Single Precision)		
11	VAR	Tlead_ny	FLOAT (Single Precision)		
12	VAR	Tlag_ny	FLOAT (Single Precision)		
13	VAR	forstyrr_ny	FLOAT (Single Precision)		
14	VAR	Ts_ut	FLOAT (Single Precision)		
15	VAR_INPUT	reset	Bit		
16	VAR_INPUT	y_1	FLOAT (Single Precision)		
17	VAR_INPUT	outflow	FLOAT (Single Precision)		

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	profibusadresse_0	Word[Signed]		
2	VAR_INPUT	profibusadresse_1	Word[Signed]		
3	VAR_INPUT	profibusadresse_2	Word[Signed]		
4	VAR_INPUT	profibusadresse_3	Word[Signed]		
5	VAR_INPUT	profibusadresse_4	Word[Signed]		
6	VAR_INPUT	profibusadresse_5	Word[Signed]		
7	VAR_INPUT	profibusadresse_6	Word[Signed]		
8	VAR_INPUT	profibusadresse_7	Word[Signed]		
9	VAR_INPUT	profibusadresse_8	Word[Signed]		
10	VAR_INPUT	profibusadresse_9	Word[Signed]		
11	VAR_INPUT	profibusadresse_10	Word[Signed]		
12	VAR_INPUT	profibusadresse_11	Word[Signed]		
13	VAR_INPUT	profibusadresse_12	Word[Signed]		
14	VAR_INPUT	profibusadresse_13	Word[Signed]		
15	VAR_INPUT	profibusadresse_14	Word[Signed]		
16	VAR_INPUT	profibusadresse_15	Word[Signed]		
17					
18	VAR_OUTPUT	mottak_fra_kanal_0	Word[Signed]		
19	VAR_OUTPUT	mottak_fra_kanal_1	Word[Signed]		
20	VAR_OUTPUT	mottak_fra_kanal_2	Word[Signed]		
21	VAR_OUTPUT	mottak_fra_kanal_3	Word[Signed]		
22	VAR_OUTPUT	mottak_fra_kanal_4	Word[Signed]		
23	VAR_OUTPUT	mottak_fra_kanal_5	Word[Signed]		
24	VAR_OUTPUT	mottak_fra_kanal_6	Word[Signed]		
25	VAR_OUTPUT	mottak_fra_kanal_7	Word[Signed]		
26	VAR_OUTPUT	mottak_fra_kanal_8	Word[Signed]		
27	VAR_OUTPUT	mottak_fra_kanal_9	Word[Signed]		
28	VAR_OUTPUT	mottak_fra_kanal_10	Word[Signed]		
29	VAR_OUTPUT	mottak_fra_kanal_11	Word[Signed]		
30	VAR_OUTPUT	mottak_fra_kanal_12	Word[Signed]		
31	VAR_OUTPUT	mottak_fra_kanal_13	Word[Signed]		
32	VAR_OUTPUT	mottak_fra_kanal_14	Word[Signed]		
33	VAR_OUTPUT	mottak fra kanal 15	Word[Signed]		

Label
Data Name : PID\_regulator
Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR	last_y	FLOAT (Single Precision)		
2	VAR_INPUT	Ts	Word[Signed]		0.04
3	VAR	up	FLOAT (Single Precision)		
4	VAR	ud	FLOAT (Single Precision)		
5	VAR_OUTPUT	ui	FLOAT (Single Precision)		
6	VAR	e_reg	FLOAT (Single Precision)		
7	VAR	alpha	FLOAT (Single Precision)		
8	VAR	beta	FLOAT (Single Precision)		
9	VAR	last_ui	FLOAT (Single Precision)		
10	VAR	last_ud	FLOAT (Single Precision)		
11	VAR	last_up	FLOAT (Single Precision)		
12	VAR_INPUT	ni	Word[Signed]		mulig dette skal være input fra intouch idk.
13	VAR_INPUT	Kp_reg	Word[Signed]		
14	VAR_INPUT	Ti_reg	Word[Signed]		
15	VAR_INPUT	Td_reg	Word[Signed]		
16	VAR_INPUT	r_1	FLOAT (Single Precision)		
17	VAR_OUTPUT	u_ut	FLOAT (Single Precision)		endre til word
18	VAR_INPUT	y_1	FLOAT (Single Precision)		
19	VAR_INPUT	manual_input	FLOAT (Single Precision)		endre til word
20	VAR_INPUT	Regulator_type	Word[Signed]		
21	VAR_INPUT	u_fk	FLOAT (Single Precision)		
22	VAR	u_nom	FLOAT (Single Precision)		
23	VAR_INPUT	u_antiwindup	FLOAT (Single Precision)		
24	VAR	Kp_ut	FLOAT (Single Precision)		
25	VAR	Ti_ut	FLOAT (Single Precision)		
26	VAR	Td_ut	FLOAT (Single Precision)		
27	VAR_OUTPUT	last_u	FLOAT (Single Precision)		
28	VAR_INPUT	ratebegrensing	Word[Signed]		initial value = 2
29	VAR	Ts_ut	FLOAT (Single Precision)		
30	VAR	d_filt	FLOAT (Single Precision)		
31	VAR	u_reg	FLOAT (Single Precision)		
32	VAR_INPUT	reset	Bit		
33	VAR_INPUT	u_it	FLOAT (Single Precision)		
34	VAR_OUTPUT	u_t	FLOAT (Single Precision)		
35	VAR_INPUT	u_rykkfri	FLOAT (Single Precision)		
36	VAR	last_u_nom	FLOAT (Single Precision)		
37	VAR_INPUT	u_nominel	FLOAT (Single Precision)		
38	VAR	konstant	FLOAT (Single Precision)		

Data Name : Referanseglatter Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_OUTPUT	referanse_ut	FLOAT (Single Precision)		
2	VAR_INPUT	r_inn	FLOAT (Single Precision)		
3	VAR_CONSTANT	a_rglatt	FLOAT (Single Precision)	5	
4	VAR_CONSTANT	b	FLOAT (Single Precision)	4.47	
5	VAR_INPUT	Ts	Word[Signed]		
6	VAR	Ts_ut	FLOAT (Single Precision)		
7	VAR	r_glatting	FLOAT (Single Precision)		
8	VAR	last_rut	FLOAT (Single Precision)		
9	VAR	lastlast_rut	FLOAT (Single Precision)		

Data Name : reguleringsmodus Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	pumpe_regulering_bit_0	Bit		
2	VAR_INPUT	ventil_regulering_bit_1	Bit		
3	VAR_INPUT	ventil_paadrag_2	Word[Signed]		
4	VAR_INPUT	start_3	Bit		
5					
6	VAR_OUTPUT	pumpe_regulering_0	Bit		
7	VAR_OUTPUT	ventil_regulering_1	Bit		
8	VAR_OUTPUT	aapning_reg_ventil_2	Word[Signed]		
9	VAR_OUTPUT	frekvenspaadrag_til_omformer_	Word[Signed]		

5/3/2024 Label

Data Name : sending\_av\_data\_til\_master Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	sende_til_kanal_0	Word[Signed]		
2	VAR_INPUT	sende_til_kanal_1	Word[Signed]		
3	VAR_INPUT	sende_til_kanal_2	Word[Signed]		
4	VAR_INPUT	sende_til_kanal_3	Word[Signed]		
5	VAR_INPUT	sende_til_kanal_4	Word[Signed]		
6	VAR_INPUT	sende_til_kanal_5	Word[Signed]		
7	VAR_INPUT	sende_til_kanal_6	Word[Signed]		
8	VAR_INPUT	sende_til_kanal_7	Word[Signed]		
9	VAR_INPUT	sende_til_kanal_8	Word[Signed]		
10	VAR_INPUT	sende_til_kanal_9	Word[Signed]		
11	VAR_INPUT	sende_til_kanal_10	Word[Signed]		
12	VAR_INPUT	sende_til_kanal_11	Word[Signed]		
13	VAR_INPUT	sende_til_kanal_12	Word[Signed]		
14	VAR_INPUT	sende_til_kanal_13	Word[Signed]		
15	VAR_INPUT	sende_til_kanal_14	Word[Signed]		
16	VAR_INPUT	sende_til_kanal_15	Word[Signed]		

Data Name : skalering\_paadrag Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	paadrag_fra_regulator_0	FLOAT (Single Precision)		
2	VAR_INPUT	paadrag_manuelt_1	Word[Signed]		
3	VAR_INPUT	u0_nompaadrag_fra_scada_2	Word[Signed]		
4	VAR_OUTPUT	paadrag_til_scada_0	Word[Signed]		
5	VAR_OUTPUT	frekvenspaadrag_til_omformer_1	Word[Signed]		
6	VAR_OUTPUT	ventil_paadrag_2	Word[Signed]		
7	VAR_OUTPUT	manuelt_paadrag_til_regulator_3	FLOAT (Single Precision)		
8	VAR_OUTPUT	u0_nompaadrag_til_regulator_4	FLOAT (Single Precision)		
9	VAR	DEROUND_1	DEROUND		
10	VAR	DEROUND_2	DEROUND		
11	VAR	DEROUND_3	DEROUND		

Data Name : skalering\_referanse Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	referanse_0	Word[Signed]		
2	VAR_INPUT	glatt_referanse_1	FLOAT (Single Precision)		
3	VAR_OUTPUT	referanse_til_PID_0	FLOAT (Single Precision)		
4	VAR_OUTPUT	ref_skalert_som_tankmaaling_1	Word[Signed]		
5	VAR_OUTPUT	glatt_referanse_til_scada_2	Word[Signed]		
6	VAR	DEROUND_1	DEROUND		
7	VAR	DEROUND_2	DEROUND		

Data Name : skalering\_tanknivaa Function/FB Label Setting

		Class	Label Name	Data Type	Constant	Comment
	1	VAR_INPUT	tanknivaa_filtrert_0	Word[Signed]		
Γ	2	VAR_OUTPUT	tanknivaa_skalert_til_scada_0	Word[Signed]		
Г	3	VAR_OUTPUT	tanknivaa_til_regulator_1	FLOAT (Single Precision)		
	4	VAR	DEROUND_1	DEROUND		

5/3/2024 Label

Data Name : skalering\_til\_bruker\_ven\_og\_omf Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	frekvenspaadrag_til_omformer_	Word[Signed]		
2	VAR_INPUT	aapning_reg_ventil_1	Word[Signed]		
3	VAR_OUTPUT	frekvens_skalert_0	Word[Signed]		
4	VAR_OUTPUT	ventil_skalert_1	Word[Signed]		
5	VAR	DEROUND_1	DEROUND		
6	VAR	DEROUND_2	DEROUND		

Data Name : skalering\_utstroom Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	utstroom_filtrert_0	Word[Signed]		
2	VAR_OUTPUT	utstroom_til_regulator_0	FLOAT (Single Precision)		
3	VAR_OUTPUT	utstroom_til_scada_1	Word[Signed]		
4	VAR	DEROUND_1	DEROUND		
5	VAR	DEROUND_2	DEROUND		

Data Name : skalering\_ventil Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	ventil_input	Word[Signed]		
2	VAR_OUTPUT	ventil_regulator	FLOAT (Single Precision)		
3	VAR_OUTPUT	ventil_scada	Word[Signed]		
4	VAR	DEROUND_1	DEROUND		

Data Name : Tracking Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	u_t	FLOAT (Single Precision)		
2	VAR_CONSTANT	u_metning	FLOAT (Single Precision)	100.00	random konstant per nå
3	VAR	u_aw	FLOAT (Single Precision)		
4	VAR	last_u_antiwindup	FLOAT (Single Precision)		
5	VAR_OUTPUT	u_antiwindup	FLOAT (Single Precision)		
6	VAR_INPUT	Ts	Word[Signed]		
7	VAR_INPUT	T_tracking	Word[Signed]		default: 0.87
8	VAR_INPUT	last_u	FLOAT (Single Precision)		
9	VAR	u_rf	FLOAT (Single Precision)		
10	VAR_INPUT	aw_på	Bit		
11	VAR	last_u_rykkfri	FLOAT (Single Precision)		
12	VAR	Ts_ut	FLOAT (Single Precision)		
13	VAR	T_tut	FLOAT (Single Precision)		
14	VAR_INPUT	reset	Bit		
15	VAR_INPUT	ui	FLOAT (Single Precision)		
16	VAR_OUTPUT	u_it	FLOAT (Single Precision)		
17	VAR	last_u_it	FLOAT (Single Precision)		
18	VAR_OUTPUT	u_rykkfri	FLOAT (Single Precision)		

Data Name : utganger Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	tvangstyr_startsignal_frekv_0	Bit		
2	VAR_INPUT	aktiver_magv_1_bit_1	Bit		
3	VAR_INPUT	aktiver_magv_2_bit_2	Bit		
4	VAR_INPUT	aktiver_magv_3_bit_3	Bit		
5	VAR_INPUT	kritiaskalarm_aapne_ventiler_4	Bit		
6	VAR_INPUT	kritisk_refnivaa_opnaad_slave_5	Bit		
7	VAR_INPUT	kritiskalarm_nedre_stengventil_6	Bit		
8	VAR_INPUT	under_60_nivaa_7	Bit		
9					
10	VAR_OUTPUT	fysisk_start_frekomformer_0	Bit		
11	VAR_OUTPUT	magnetventil_1_1	Bit		
12	VAR_OUTPUT	magnetventil_2_2	Bit		
13	VAR_OUTPUT	magnetventil_3_3	Bit		
14	VAR_OUTPUT	magnetventil_1_ACK_4	Bit		
15	VAR_OUTPUT	magnetventil_2_ACK_5	Bit		
16	VAR_OUTPUT	magnetventil_3_ACK_6	Bit		

Data Name : utregning\_stasjonært\_avvik Function/FB Label Setting

	Class	Label Name	Data Type	Constant	Comment
1	VAR_INPUT	ref_skalert_til_tankmaaling_0	Word[Signed]		
2	VAR_INPUT	tanknivaa_filtrert_1	Word[Signed]		
3	VAR_INPUT	start_2	Bit		
4	VAR_INPUT	ack_3	Bit		
5	VAR_OUTPUT	stasjonært_avvik_verdi_0	Word[Signed]		
6	VAR_OUTPUT	stasjonært_avvik_1	Bit		
7	VAR	myTimer	TON		

Find In:(Entire project) Find What:Used Device (Contact & Coil)
Print Range:Whole Range

Device	Contact	Coil (counts)	Parameter	Comment
M100	*	*( 1)		
M101	*	*( 1)		
M102	*	*( 1)		
M103	*	*( 1)		
M104	*	*( 1)		
M105	*	*( 1)		
M106	*	*( 1)		
M107	*	*( 1)		
M108	*	*( 1)		
M109	*	*( 1)		
M110	*	*( 1)		
M200	*	*( 2)		
M201	*	*( 2)		
M202	*	*( 3)		
M203	*	*( 1)		
M206	*	*( 1)		
M209	*	*( 2)		
M210	*	*( 1)		
M211	*	*( 2)		
M212	*	*( 2)		
M214	*	*( 1)		
M216	*	*( 2)		
M217	*	*( 1)		
M300	*	*( 3)		
M301	*	*( 3)		
M302	*	*( 1)		
M303	*	*( 2)		
M304	*	*( 1)		
M305	*	*( 3)		
M306	*	*( 3)		
M307	*	*( 1)		
M308	*	*( 1)		
M309	*	*( 1)		
M310	*	*( 1)		
M312	*	*( 2)		
M313	*	*( 2)		
M314	*	*( 1)		
M315	*	*( 2)		
M316	*	*( 1)		
M403	*	*( 1)		
M500	*	*( 2)		
M7660	*	*( 17)		
M7662	*	*( 17)		
M7663	*	*( 1)		

Find In:(Entire project) Find What:Used Device (Contact & Coil)
Print Range:Whole Range

Device	Contact	Coil (counts)	Parameter	Comment
M7666	*	*( 1)		
M7667	*	*( 1)		
M7668	*	*( 2)		
M7669	*	*( 1)		
M7670	*	*( 1)		
M7671	*	*( 11)		
M7674	*	*( 3)		
M7677	*	*( 1)		
M7678	*	*( 1)		
M7679	*	*( 1)		
Y004	*	*( 1)		
Y005	*	*( 1)		
Y006	*	*( 1)		
D0	*	*( 2)		
D1	*	*( 1)		
D2	*	*( 1)		
D4	*	*( 1)		
D5	*	*( 4)		
D6	*	*( 1)		
D7	*	*( 1)		
D8	*	*( 1)		
D9	*	*( 4)		
D10	*	*( 2)		
D12	*	*( 1)		
D13	*	*( 1)		
D14	*	*( 1)		
D15	*	*( 1)		
D16	*	*( 1)		
D17	*	*( 1)		
D18	*	*( 1)		
D20	*	*( 1)		
D22	*	*( 1)		
D23	*	*( 4)		
D24	*	*( 1)		
D25	*	*( 2)		
D32	*	*( 3)		
D33	*	*( 4)		
D34	*	*( 1)		
D35	*	*( 2)		
D36	*	*( 1)		
D37	*	*( 1)		
D38	*	*( 1)		
D39	*	*( 2)		
D40	*	*( 2)		

Find In:(Entire project) Find What:Used Device (Contact & Coil)
Print Range:Whole Range

Device	Contact	Coil (counts)	Parameter	Comment
D41	*	*( 2)		
D42	*	*( 1)		
D43	*	*( 1)		
D44	*	*( 1)		
D45	*	*( 1)		
D46	*	*( 1)		
D47	*	*( 1)		
D48	*	*( 1)		
D49	*	*( 1)		
D50	*	*( 1)		
D51	*	*( 1)		
D52	*	*( 1)		
D53	*	*( 1)		
D54	*	*( 2)		
D55	*	*( 2)		
D706	*	*( 5)		
D707	*	*( 3)		
D708	*	*( 3)		
D709	*	*( 5)		
D710	*	*( 5)		
D711	*	*( 2)		
D712	*	*( 2)		
D713	*	*( 2)		
D714	*	*( 2)		
D715	*	*( 11)		
D716	*	*( 11)		
D717	*	*( 33)		
D718	*	*( 33)		
D719	*	*( 66)		
D720	*	*( 66)		
D721	*	*( 1)		
D722	*	*( 1)		
D725	*	*( 6)		
D726	*	*( 6)		
D727	*	*( 2)		
D728	*	*( 2)		
D729	*	*( 2)		
D730	*	*( 2)		
D731	*	*( 1)		
D732	*	*( 1)		
D733	*	*( 1)		
D734	*	*( 1)		
D735	*	*( 2)		
D736	^	*( 2)		

Find In:(Entire project) Find What:Used Device (Contact & Coil)
Print Range:Whole Range

Device	Contact	Coil (counts)	Parameter	Comment
D737	*	*( 2)		
D738	*	*( 2)		
D739	*	*( 8)		
D740	*	*( 8)		
D741	*	*( 1)		
D742	*	*( 1)		
D743	*	*( 1)		
D744	*	*( 1)		
D745	*	*( 1)		
D746	*	*( 1)		
D747	*	*( 1)		
D748	*	*( 1)		
D749	*	*( 1)		
D750	*	*( 1)		
D751	*	*( 3)		
D752	*	*( 3)		
D753	*	*( 2)		
D754	*	*( 2)		
D755	*	*( 2)		
D756	*	*( 2)		
D757	*	*( 2)		
D758	*	*( 2)		
D759	*	*( 1)		
D760	*	*( 1)		
D761	*	*( 1)		
D762	*	*( 1)		
D763	*	*( 1)		
D764	*	*( 1)		
D765	*	*( 3)		
D766	*	*( 3)		
D767	*	*( 3)		
D768	*	*( 3)		
D769	*	*( 2)		
D770	*	*( 2)		
D773	*	*( 1)		
D774	*	*( 1)		
D775	*	*( 1)		
D776	*	*( 1)		
D777	*	*( 2)		
D778	*	*( 2)		
D779	*	*( 1)		
D780	*	*( 1)		
D781	*	*( 2)		
D782	*	*( 2)		

Find In:(Entire project) Find What:Used Device (Contact & Coil)
Print Range:Whole Range

Device	Contact	Coil (counts)	Parameter	Comment
D783	*	*( 1)		
D784	*	*( 1)		
D785	*	*( 1)		
D786	*	*( 1)		
D787	*	*( 2)		
D788	*	*( 2)		
D789	*	*( 1)		
D790	*	*( 1)		
D791	*	*( 1)		
D792	*	*( 1)		
D793	*	*( 1)		
D794	*	*( 1)		
D795	*	*( 3)		
D796	*	*( 3)		
D797	*	*( 2)		
D798	*	*( 2)		
D799	*	*( 1)		
D800	*	*( 1)		
D801	*	*( 2)		
D802	*	*( 2)		
D803	*	*( 1)		
D804	*	*( 1)		
D805	*	*( 2)		
D806	*	*( 2)		
D807	*	*( 1)		
D808	*	*( 1)		
D809	*	*( 2)		
D810	*	*( 2)		
D811	*	*( 1)		
D812	*	*( 1)		
D813	*	*( 2)		
D814	*	*( 2)		
D815	*	*( 1)		
D816	*	*( 1)		
D817	*	*( 2)		
D818	*	*( 2)		
D819	*	*( 1)		
D820	*	*( 1)		
D821	*	*( 2)		
D822	*	*( 2)		
D823	*	*( 2)		
D824	*	*( 2)		
D825	*	*( 1)		
D826	*	*( 1)		

Find In:(Entire project) Find What:Used Device (Contact & Coil)
Print Range:Whole Range

Device	Contact	Coil (counts)	Parameter	Comment
D827	*	*( 1)		
D828	*	*( 1)		
D829	*	*( 2)		
D830	*	*( 2)		
D831	*	*( 1)		
D832	*	*( 1)		
D833	*	*( 2)		
D834	*	*( 2)		
D835	*	*( 1)		
D836	*	*( 1)		
D837	*	*( 2)		
D838	*	*( 2)		
D839	*	*( 16)		
D840	*	*( 2)		
D841	*	*( 2)		
D842	*	*( 13)		
D843	*	*( 13)		
D844	*	*( 51)		
D845	*	*( 51)		
D846	*	*( 98)		
D847	*	*( 98)		
D848	*	*( 2)		
D849	*	*( 2)		
D850	*	*( 1)		
D851	*	*( 1)		
D852	*	*( 1)		
D853	*	*( 1)		
D860	*	*( 2)		
D861	*	*( 2)		
D862	*	*( 1)		
D863	*	*( 1)		
D864	*	*( 1)		
D865	*	*( 1)		
D866	*	*( 2)		
D867	*	*( 2)		
D868	*	*( 1)		
D869	*	*( 1)		
D870	*	*( 1)		
D871	*	*( 1)		_
D880	*	*( 2)		_
D881	*	*( 2)		_
D882	*	*( 1)		
D883	*	*( 1)		
D884	*	*( 1)		

Find In:(Entire project)

Find What:Used Device (Contact & Coil)
Print Range:Whole Range

Device	Contact	Coil (counts)	Parameter	Comment
D885	*	*( 1)		
D886	*	*( 2)		
D887	*	*( 2)		
D888	*	*( 1)		
D889	*	*( 1)		
D890	*	*( 1)		
D891	*	*( 1)		
D892	*	*( 2)		
D893	*	*( 2)		
D894	*	*( 1)		
D895	*	*( 1)		
D896	*	*( 1)		
D897	*	*( 1)		
D898	*	*( 2)		
D899	*	*( 2)		
D900	*	*( 1)		
D901	*	*( 1)		
D902	*	*( 1)		
D903	*	*( 1)		
D904	*	*( 2)		
D905	*	*( 2)		
D906	*	*( 1)		
D907	*	*( 1)		
D908	*	*( 1)		
D909	*	*( 1)		
D916	*	*( 2)		
D917	*	*( 2)		
D918	*	*( 1)		
D919	*	*( 1)		
D920	*	*( 1)		
D921	*	*( 1)		
D964	*	*( 2)		
D965	*	*( 2)		
D966	*	*( 1)		
D967	*	*( 1)		
D968	*	*( 1)		
D969	*	*( 1)		
D970	*	*( 1)		
D971	*	*( 1)		
D972	*	*( 1)		
D973	*	*( 1)		
D974	*	*( 1)		
D975	*	*( 1)		
D976	^	*( 1)		

Find In:(Entire project)

Find What:Used Device (Contact & Coil)
Print Range:Whole Range

Device	Contact	Coil (counts)	Parameter	Comment
D977	*	*( 1)		
D978	*	*( 1)		
D979	*	*( 1)		
D980	*	*( 1)		
D981	*	*( 1)		
D982	*	*( 2)		
D983	*	*( 2)		
D984	*	*( 1)		
D985	*	*( 1)		
D986	*	*( 1)		
D987	*	*( 1)		
D988	*	*( 1)		
D989	*	*( 1)		
D990	*	*( 1)		
D991	*	*( 1)		
D992	*	*( 1)		
D993	*	*( 1)		
D994	*	*( 1)		
D995	*	*( 1)		
D996	*	*( 1)		
D997	*	*( 1)		
D998	*	*( 1)		
D999	*	*( 1)		
T0	*	*( 1)		
T1	*	*( 1)		
T2	*	*( 1)		
T5	*	*( 1)		
P2049	*	*( 1)		
P2050	*	*( 1)		
P2051	*	*( 1)		
P2052	*	*( 1)		
P2053	*	*( 1)		
P2054	*	*( 1)		
P2055	*	*( 1)		
P2056	*	*( 1)		
P2057	*	*( 1)		
P2058	*	*( 1)		
P2059	*	*( 1)		
P2060	*	*( 1)		
P2061	*	*( 1)		
P2062	*	*( 1)		
P2063	*	*( 1)		
P2064	*	*( 1)		
P2065	*	*( 2)		

Find In:(Entire project) Find What:Used Device (Contact & Coil)
Print Range:Whole Range

Device	Contact	Coil (counts)	Parameter	Comment
P2066	*	*( 1)		
P2067	*	*( 1)		
P2068	*	*( 1)		
P2069	*	*( 1)		
P2070	*	*( 1)		
P2071	*	*( 1)		
P2072	*	*( 1)		
P2073	*	*( 1)		
P2074	*	*( 1)		
P2075	*	*( 1)		
P2076	*	*( 1)		
P2077	*	*( 1)		
P2078	*	*( 1)		
P2079	*	*( 1)		
P2080	*	*( 1)		
P2081	*	*( 1)		
P2082	*	*( 1)		
P2083	*	*( 1)		
P2084	*	*( 1)		
P2085	*	*( 1)		
P2087	*	*( 1)		
P2088	*	*( 1)		
P2089	*	*( 1)		
P2090	*	*( 1)		
P2091	*	*( 1)		
P2092	*	*( 1)		
P2093	*	*( 1)		
P2094	*	*( 1)		
P2095	*	*( 6)		
P2096	*	*( 1)		
P2097	*	*( 1)		
P2098	*	*( 1)		
P2099	*	*( 1)		
P2100	*	*( 1)		
P2101	*	*( 1)		
P2102	*	*( 1)		
P2103	*	*( 2)		
P2104	*	*( 1)		
P2105	*	*( 1)		
P2106	*	*( 1)		
P2107	*	*( 2)		
P2108	*	*( 1)		
P2109	*	*( 2)		
P2110	*	*( 1)		

Device List 5/3/2024

Data Name : Device List

Find In:(Entire project)

Find What:Used Device (Contact & Coil)
Print Range:Whole Range

Device	Contact	Coil (counts)	Parameter	Comment
P2111	*	*( 4)		
P2112	*	*( 1)		
P2113	*	*( 1)		
P2114	*	*( 1)		
P2115	*	*( 1)		
P2116	*	*( 1)		
P2117	*	*( 1)		
P2118	*	*( 2)		
P2119	*	*( 1)		
P2120	*	*( 2)		

Project Contents List Data Name : Project Contents List

Workspace Name : Project Name : Testslave\_Emre\_V35 Title :

Data Name	Last Change	Title
Parameter	3/5/2024 10:23:13 AM	1110
PLC Parameter	3/5/2024 10:23:13 AM	
Network Parameter	3/5/2024 10:23:13 AM	
CC-Link	3/5/2024 10:23:13 AM	
Special Module(Intelligent Function Module)	3/5/2024 10:23:13 AM	
Global Device Comment	3/5/2024 10:23:19 AM	
Global Label	5/2/2024 12:09:25 AM	
Global1	5/2/2024 12:09:25 AM	
Program Setting		
Execution Program		
MAIN	5/2/2024 12:25:22 AM	
stroombrudd	5/2/2024 12:25:22 AM	
stroombrudd	5/2/2024 12:24:52 AM	
Program	5/2/2024 12:24:52 AM	
Local Label	5/2/2024 12:24:30 AM	
Task_01	4/23/2024 12:29:01 PM	
POU_01	5/3/2024 9:20:25 AM	
Program	5/3/2024 9:20:25 AM	
Local Label	5/1/2024 10:34:40 PM	
task_2	4/23/2024 12:31:54 PM	
Regulator	5/1/2024 6:55:26 PM	
Program	5/1/2024 6:55:26 PM	
Local Label	4/25/2024 2:06:58 PM	
POU		
Program	5/2/2024 12:24:30 AM	
POU_01	5/3/2024 9:20:25 AM	
Program	5/3/2024 9:20:25 AM	
Local Label	5/1/2024 10:34:40 PM	
Regulator	5/1/2024 6:55:26 PM	
Program	5/1/2024 6:55:26 PM	
Local Label	4/25/2024 2:06:58 PM	
stroombrudd	5/2/2024 12:24:52 AM	
Program	5/2/2024 12:24:52 AM	
Local Label	5/2/2024 12:24:30 AM	
FB/FUN	5/1/2024 10:32:27 PM	
alarmgrenser	5/1/2024 11:40:39 PM 4/29/2024 3:29:49 AM	
Program  Local Label	5/1/2024 11:40:39 PM	
DEROUND	4/19/2024 6:57:50 PM	
Program	4/19/2024 6:57:50 PM	
Local Label	4/19/2024 6:39:10 PM	
handling_ved_kritisk_alarm	4/30/2024 10:34:47 AM	
Program	4/30/2024 10:34:47 AM	
Local Label	4/30/2024 10:31:52 AM	
kritisk_refnivaa_oppnaad	5/1/2024 11:40:04 PM	
Program	4/30/2024 10:27:27 AM	
Local Label	5/1/2024 11:40:04 PM	
kvittering_av_alarmer	5/1/2024 7:01:39 PM	
Program	5/1/2024 7:01:39 PM	
Local Label	4/30/2024 9:56:37 AM	
Lampe_Alarm	5/2/2024 12:09:40 AM	
Program	5/1/2024 6:55:26 PM	
Local Label	5/2/2024 12:09:40 AM	
lavpass_filter_tanknivaa	5/1/2024 10:34:16 PM	
Program	5/1/2024 10:34:16 PM	
Local Label	5/1/2024 10:33:53 PM	
lavpass_filter_utstrøm	5/1/2024 10:40:11 PM	
Program	5/1/2024 10:31:59 PM	
Local Label	5/1/2024 10:40:11 PM	
Lead_lag	5/1/2024 2:39:04 PM	
Program	5/1/2024 2:39:04 PM	
Local Label	5/1/2024 1:57:36 PM	
mottak_av_data_fra_master	4/30/2024 9:37:01 AM	
Program	4/30/2024 9:37:01 AM	
Local Label	4/28/2024 9:36:53 PM	
PID_regulator	5/1/2024 4:43:22 PM	
Program	5/1/2024 4:43:22 PM	
	1	1

**Project Contents List** 

Data Name : Project Contents List

Workspace Name : Project Name : Testslave\_Emre\_V35 Title :

Data Name	Last Change	Title
Local Label	5/1/2024 4:20:42 PM	
Referanseglatter	4/30/2024 12:12:51 PM	
Program	4/25/2024 9:26:44 PM	
Local Label	4/30/2024 12:12:51 PM	
reguleringsmodus	4/30/2024 9:37:01 AM	
Program	4/30/2024 9:37:01 AM	
Local Label	4/30/2024 9:25:21 AM	
sending_av_data_til_master	4/30/2024 9:46:53 AM	
Program	4/30/2024 9:46:53 AM	
Local Label	4/28/2024 10:39:29 PM	
skalering_paadrag	5/1/2024 6:55:26 PM	
Program	5/1/2024 6:55:26 PM	
Local Label	5/1/2024 6:51:54 PM	
skalering_referanse	5/1/2024 6:55:26 PM	
Program	5/1/2024 6:55:26 PM	
Local Label	5/1/2024 6:41:33 PM	
skalering_tanknivaa	5/1/2024 6:37:21 PM	
Program	5/1/2024 6:37:21 PM	
Local Label	5/1/2024 6:35:46 PM	
skalering_til_bruker_ven_og_omf	5/1/2024 10:26:25 PM	
Program	5/1/2024 10:26:25 PM	
Local Label	5/1/2024 6:54:58 PM	
skalering_utstroom	5/1/2024 10:38:45 PM	
Program	5/1/2024 10:38:45 PM	
Local Label	5/1/2024 6:39:26 PM	
skalering_ventil	4/24/2024 6:04:07 PM	
Program	4/24/2024 6:04:07 PM	
Local Label	4/24/2024 4:06:54 PM	
Tracking	4/25/2024 6:06:33 PM	
Program	4/25/2024 6:06:33 PM	
Local Label	4/25/2024 6:01:42 PM	
utganger	4/30/2024 10:38:54 AM	
Program	4/30/2024 10:38:54 AM	
Local Label	4/30/2024 10:34:15 AM	
utregning_stasjonært_avvik	5/1/2024 6:34:55 PM	
Program	5/1/2024 6:34:55 PM	
Local Label	5/1/2024 6:24:02 PM	
Structured Data Types	3/5/2024 10:23:13 AM	
Local Device Comment		
Device Memory	3/5/2024 10:23:20 AM	
<u> </u>		
MAIN	3/5/2024 10:23:20 AM	