Filename: Foxtrot.pro

 $\hbox{${\tt C:\Users\Håkon\ eikrem\Dropbox\Prosjekt\ IS\PROGRAM\Program\ versjon\ Foxtrot} } \\$ Directory:

Change date: 28.11.13 16:23:31 / V2.3

Title: Author: Version: Description:

```
0001
        FUNCTION_BLOCK CALCULATED_ACTUALS
0002
        (*Uses step reading from encoders to calculate hight and angle on each motor, pitch and roll*)
0003
        VAR_INPUT
0004
        END_VAR
        VAR_OUTPUT
0005
0006
           a_hight1: INT;
0007
           a_hight2: INT;
8000
           a_hight3: INT;
0009
           a_angle1: REAL;
0010
           a_angle2: REAL;
0011
           a_angle3: REAL;
           a_roll: REAL;
0012
0013
           a_pitch: REAL;
0014
0015
        END_VAR
0016
        VAR
0017
           st1: STEP_TO_HIGHT;
0018
           st2: STEP_TO_HIGHT;
0019
           st3: STEP_TO_HIGHT;
0020
           a: REAL;
0021
           b: REAL;
0022
           c: REAL;
0023
           d: REAL;
0024
        END_VAR
0001
        st1(stepp:=(DATA_IN_M1));
0002
        st2(stepp:=(DATA_IN_M2));
0003
        st3(stepp:=(DATA_IN_M3));
0004
0005
        a_hight1:=st1.h;
0006
        a_hight2:=st2.h;
0007
        a_hight3:=st3.h;
8000
        a_angle1:=st1.a;
0009
        a_angle2:=st2.a;
0010
        a_angle3:=st3.a;
0011
0012
        a:=(a_hight3-a_hight2);
0013
        b:=(a/l3);
0014
        a_roll:=am*ASIN(b);
0015
        c:=(a_hight2+a_hight3)/2;
0016
        d:=(a_hight1-c)/l4;
0017
       a_pitch:=am*ASIN(d);
HIGHT_TO_STEP (FB-ST)
0001
        FUNCTION_BLOCK HIGHT_TO_STEP
0002
        VAR INPUT
0003
           length:INT;
0004
        END_VAR
0005
        VAR_OUTPUT
0006
           angle:REAL;
0007
           step:INT;
8000
        END_VAR
0009
        VAR
0010
           b: REAL;
0011
           a: REAL;
0012
           c: REAL;
0013
           h: INT;
0014
        END_VAR
0001
        h:=length;
0002
        IF(h > 480) THEN
0003
        h:=480;
0004
        END_IF
0005
        IF(h < 260) THEN
0006
        h:=260;
0007
        END_IF
8000
0009
        a:=(I1*I1)+(h*h)-(I2*I2);
0010
        b:=(2*l1*h);
0011
        angle:=-60*ACOS(a/b)+125;
0012
        step:= REAL_TO_INT((14000/125)*angle+2000);
ROLL_PITCH_TO_STEP (FB-ST)
0001
        FUNCTION_BLOCK ROLL_PITCH_TO_STEP (*ROLL PITCH CALCULATOR*)
0002
        VAR_INPUT
0003
           roll_angle:REAL;
0004
           pitch_angle:REAL;
0005
        END_VAR
0006
        VAR_OUTPUT
```

```
0007
            step1: INT;
8000
            step2: INT;
0009
            step3: INT;
        END_VAR
0010
0011
        VAR
0012
           a: REAL;
0013
            b: REAL;
0014
           mid_length1: REAL;
0015
           c: REAL;
0016
            HTS1:HIGHT_TO_STEP;
0017
            HTS2:HIGHT_TO_STEP;
0018
            HTS3:HIGHT_TO_STEP;
0019
            set_p1:INT;
0020
            set_p2:INT;
0021
            set_p3:INT;
0022
        END_VAR
0001
        IF(roll_angle >= max_roll) THEN
0002
        roll angle:=max roll;
0003
        ELSIF(roll_angle <= min_roll) THEN
0004
        roll_angle:=min_roll;
0005
        END_IF;
0006
0007
        IF(pitch_angle >=max_pitch) THEN
8000
        pitch_angle:= max_pitch;
0009
        ELSIF(pitch_angle <= min_pitch) THEN
0010
        pitch_angle:=min_pitch;
0011
        END_IF
0012
0013
        b:=(SIN(pitch_angle/am));
0014
0015
        set_p1:= REAL_TO_INT(mid_length+b*l6);
0016
        mid_length1:=mid_length-b*l5;
0017
0018
        a:=(SIN(roll_angle/am)*l3)/2;
0019
        set_p2:= REAL_TO_INT(mid_length1-a);
0020
        set_p3:= REAL_TO_INT(mid_length1+a);
0021
0022
        HTS1(length:=set_p1);
0023
        HTS2(length:=set_p2);
0024
        HTS3(length:=set_p3);
        step1:=HTS1.step;
0025
0026
        step2:=HTS2.step;
0027
       step3:=HTS3.step;
STEP_TO_HIGHT (FB-ST)
       FUNCTION_BLOCK STEP_TO_HIGHT
0001
0002
        VAR_INPUT
0003
        (* Antall steg *)
0004
           stepp: INT;
0005
0006
        END VAR
0007
        VAR OUTPUT
8000
        (* Høyde fra aksling motor til senter kule på plattform *)
0009
           h: INT;
0010
           a: REAL; (* VINKEL *)
0011
        END_VAR
0012
        VAR
0013
           b: REAL;
0014
           a1: REAL;
0015
        END VAR
0001
        b:=INT TO REAL(stepp);
0002
        a:=(b/(14000))*120-120;
0003
        a1 := a/am:
       h:=REAL_TO_INT(I1*COS(a1)+SQRT(I2*I2-I1*I1*SIN(a1)*SIN(a1)));
0004
INPUT_MODE (PRG-ST)
0001
        PROGRAM INPUT_MODE
0002
        VAR
0003
0004
          (* Verdier hentet fra UDP stream *)
0005
            Input Roll AT %MW1: WORD;
0006
            Input_Pitch AT %MW0: WORD;
0007
            sim_roll: REAL;
8000
            sim_pitch: REAL;
0009
            INPUT_roll_real: REAL;
0010
            INPUT_pitch_real: REAL;
            rpts: ROLL_PITCH_TO_STEP;
0011
0012
```

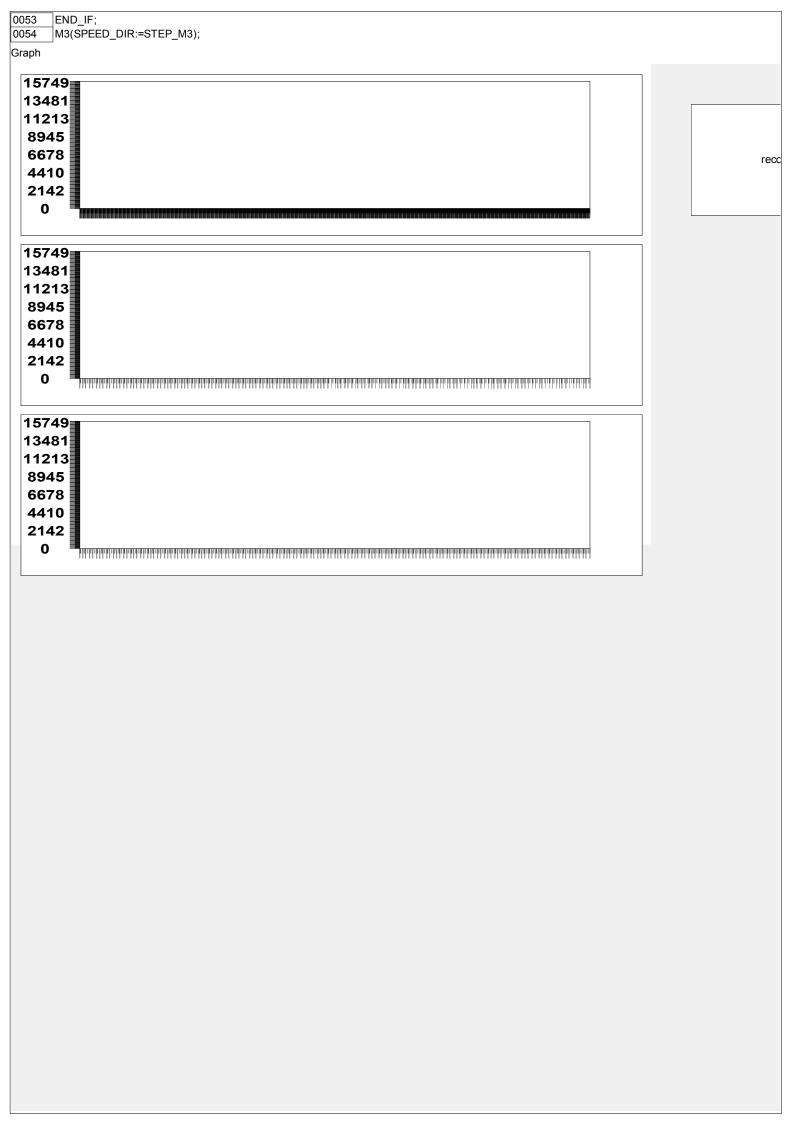
```
0013
            pitch_real: INT;
0014
            roll_real: INT;
            roll_old: REAL:=0;
0015
0016
            pitch_old: REAL:=0;
0017
            roll new: REAL;
0018
            pitch_new: REAL;
0019
            roll_new_int: INT;
            pitch_new_int: INT;
0020
0021
        END VAR
        roll new int :=WORD TO INT(Input Roll);
0001
0002
        pitch_new_int:=WORD_TO_INT(Input_Pitch);
0003
0004
        roll_new:=2*INT_TO_REAL(-roll_new_int) / 1000;
0005
        pitch_new:=2*INT_TO_REAL(pitch_new_int) / 1000;
0006
        INPUT_roll_real:=(roll_new*0.1+roll_old*0.9);
0007
8000
        INPUT_pitch_real:=(pitch_new*0.1+pitch_old*0.9);
0009
        IF SIMULATION UDP THEN
0010
        INPUT_roll_real := sim_roll;
0011
        INPUT_pitch_real := sim_pitch;
0012
        END IF
0013
        rpts(roll_angle:=INPUT_ROLL_REAL,pitch_angle:=INPUT_PITCH_REAL);
0014
0015
        p1_step:=rpts.step1;
0016
        p2_step:=rpts.step2;
0017
        p3_step:=rpts.step3;
0018
0019
        roll_old:=INPUT_roll_real;
0020
        pitch_old:=INPUT_pitch_real;
MANUAL (PRG-ST)
0001
        PROGRAM MANUAL
0002
0003
            Speed: INT:= 200;
0004
        END VAR
0001
        (* Begrenser verdien til pX step *)
0002
        IF p1 step > 14000 THEN p1 step := 14000; END IF
0003
        IF p2 step > 14000 THEN p2 step := 14000; END IF
        IF p3_step > 14000 THEN p3_step := 14000; END_IF
0004
0005
0006
        IF p1_step < 2000 THEN p1_step := 2000; END_IF
0007
        IF p2_step < 2000 THEN p2_step := 2000; END_IF
8000
        IF p3_step < 2000 THEN p3_step := 2000; END_IF
0009
0010
        (* Motor1 opp *)
0011
        IF JOGP1 THEN
0012
        p1_step := p1_step+Speed;
0013
        END_IF
0014
0015
        (* Motor1 ned *)
0016
        IF JOGM1 THEN
0017
        p1_step := p1_step-Speed;
        END IF
0018
0019
0020
        (* Motor2 opp *)
0021
        IF JOGP2 THEN
0022
        p2_step := p2_step+Speed;
0023
        END_IF
0024
0025
        (* Motor2 ned *)
0026
        IF JOGM2 THEN
0027
        p2_step := p2_step-Speed;
0028
        END IF
0029
0030
        (* Motor3 opp *)
0031
        IF JOGP3 THEN
0032
        p3_step := p3_step+Speed;
0033
        END_IF
0034
0035
        (* Motor3 Ned *)
0036
        IF JOGM3 THEN
0037
        p3_step := p3_step-Speed;
0038
        END_IF
0039
0040
        (*Kjører alle motorene opp *)
0041
        IF GO UP THEN
0042
        p1_step := p1_step+Speed;
0043
        p2_step := p2_step+Speed;
```

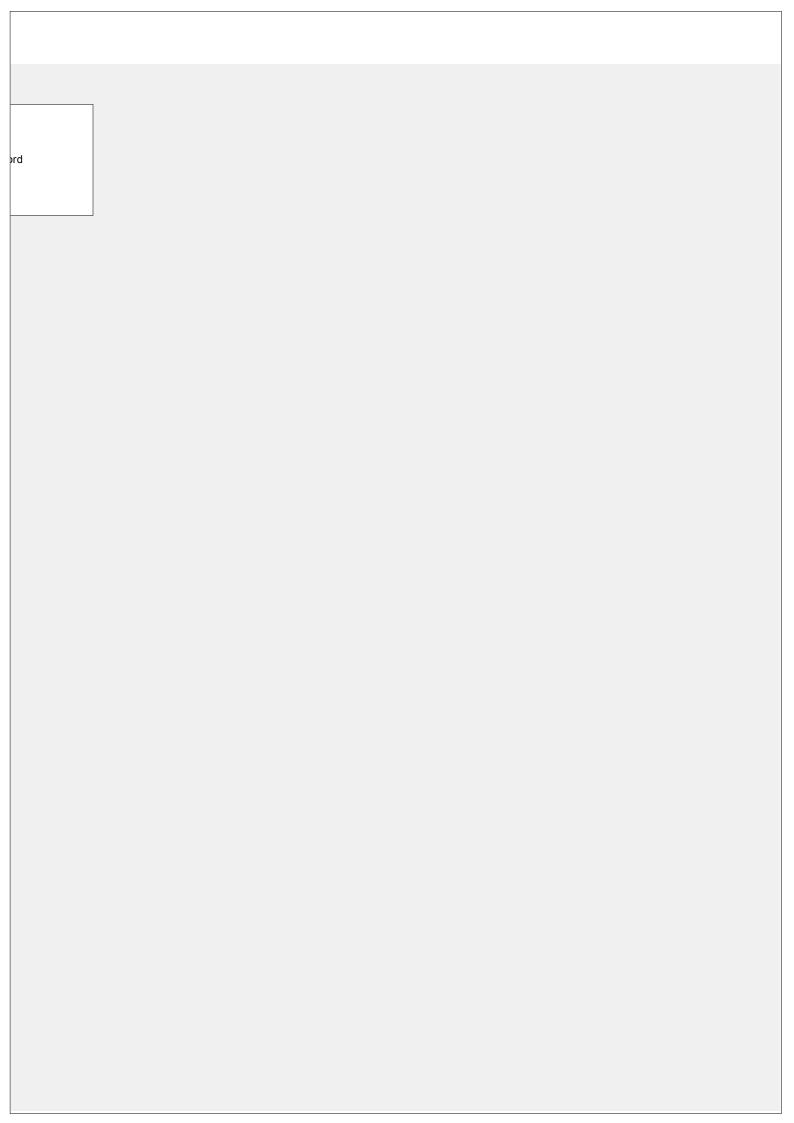
```
0044
       p3_step := p3_step+Speed;
0045
        END_IF
0046
0047
        (*Kjører alle motorene ned *)
0048
        IF GO_DOWN THEN
0049
        p1_step := p1_step-Speed;
0050
        p2_step := p2_step-Speed;
0051
       p3_step := p3_step-Speed;
0052
       END_IF
WAVE_V3 (PRG-ST)
0001
       PROGRAM WAVE_V3
0002
0003
           X_M1:REAL;
0004
           X_M2: REAL := -1.5;
0005
           X_M3: REAL := 1.5;
0006
           top_M1: BOOL;
0007
           top_M2: BOOL;
8000
           top_M3: BOOL;
0009
           Speed1 : REAL := 0.1;
0010
           Speed2: REAL:=0.1;
0011
           Speed3 : REAL := 0.1;
0012
           HTS1: HIGHT_TO_STEP;
0013
           HTS2: HIGHT_TO_STEP;
0014
           HTS3: HIGHT_TO_STEP;
       END_VAR
0015
0001
       (* SINUS WAWE M1*)
       IF (X_M1 <= 1.57) AND NOT(top_M1) THEN
0002
0003
       X_M1 := (X_M1 + Speed1);
0004
       END_IF
0005
0006
        IF (X_M1 >= 1.57) THEN
0007
        top M1 := TRUE;
8000
       END_IF
0009
0010
       IF top_M1 THEN
0011
       X_M1 := (X_M1 - Speed1);
0012
       END_IF
0013
0014
        IF (X_M1 <= -1.57) THEN
0015
        top_M1 := FALSE;
0016
       END_IF
0017
0018
       HTS1(length:= 370 + REAL_TO_INT(110 * SIN (X_M1)));*)
0019
0020
       HTS1(length:= REAL_TO_INT(350 + 120 * SIN (X_M1)));
0021
0022
        (* SINUS WAWE M2*)
0023
        IF (X_M2 \le 1.57) AND NOT(top_M2) THEN
0024
       X_M2 := (X_M2 + Speed2);
0025
       END_IF
0026
0027
        IF (X_M2 >= 1.57) THEN
0028
       top_M2 := TRUE;
0029
       END_IF
0030
0031
        IF top_M2 THEN
0032
       X_M2 := (X_M2 - Speed2);
       END_IF
0033
0034
0035
        IF (X_M2 <= -1.57) THEN
0036
       top_M2 := FALSE;
0037
       END_IF
0038
0039
       HTS2 (length:= 370 + REAL_TO_INT(100 * SIN (X_M2)));
0040
0041
0042
       (* SINUS WAWE M3*)
0043
0044
        IF (X_M3 <= 1.57) AND NOT(top_M3) THEN
0045
        X_M3 := (X_M3 + Speed3);
0046
        END_IF
0047
0048
        IF (X_M3 >= 1.57) THEN
0049
       top_M3 := TRUE;
0050
       END_IF
0051
0052
       IF top_M3 THEN
```

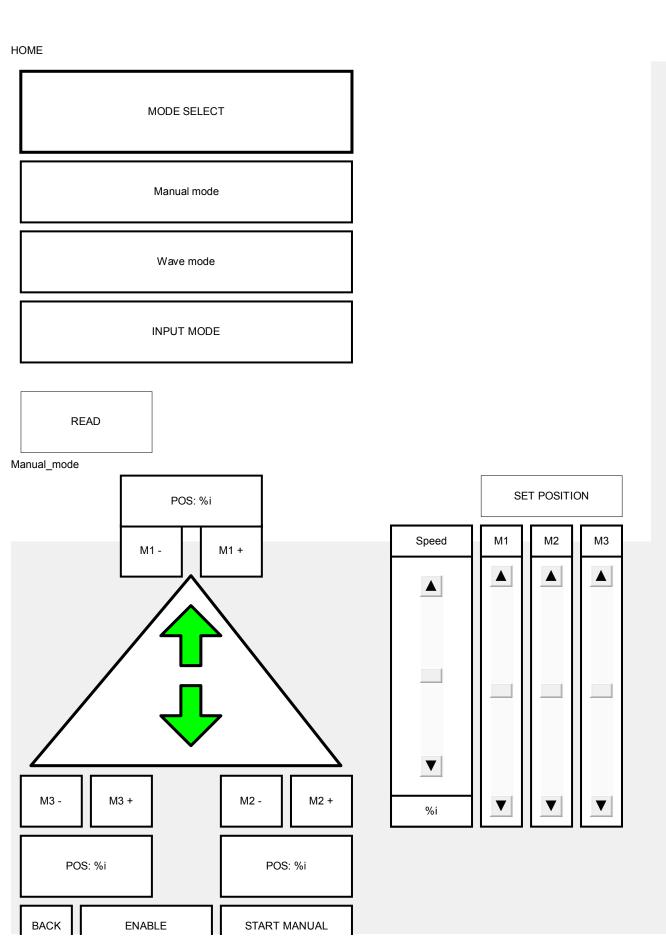
```
0053
       X_M3 := (X_M3 - Speed3);
0054
       END_IF
0055
0056
        IF (X_M3 <= -1.57) THEN
0057
       top_M3 := FALSE;
0058
       END_IF
0059
       HTS3 (length:= 370 + REAL_TO_INT(100 * SIN (X_M3)));
0060
0061
0062
0063
0064
0065
       p1_step:= HTS1.step;
0066
       p2_step:= HTS2.step;
0067
       p3_step:= HTS3.step;
0068
       M1_ANGLE:=HTS1.angle;
0069
       M2 ANGLE:=HTS2.angle;
0070
       M3_ANGLE:=HTS3.angle;
Read Param (PRG-ST)
0001
       PROGRAM Read_Param
0002
       VAR
0003
0004
           Management: WORD;
0005
           Word0 AT %QW2400: WORD;
           Word1 AT %QW2401: WORD;
0006
0007
           Read value 0AT %IW2400: WORD;
0008
           Read value1 AT %IW2401: WORD;
0009
           Out_put0: WORD;
0010
           Out_put1: WORD;
0011
           Out: INT:
0012
           Data Out: INT;
0013
           Read_par: BOOL;
0014
           Par nr:INT;
       END VAR
0015
0001
       IF(Read par) THEN
0002
       Management := INT TO WORD(1 + 16 + 32 + 64);
0003
       Word0 := ROR(Management , 8);
0004
0005
       Par_nr := INT_TO_WORD(8398);
0006
       Word1 := ROR(Par_nr, 8);
0007
8000
        Out_put0 := ROL(Read_value0, 8);
0009
       Out_put1 := ROL(Read_value1 , 8);
0010
0011
       Data_Out := WORD_TO_INT( Read_value0 + Read_value1);
0012
0013
        ELSE
0014
        Management := INT_TO_WORD(1 + 16 + 32);
0015
       Word0 := ROR(Management , 8);
0016
       END_IF
Read_Pos (PRG-ST)
0001
       PROGRAM Read_Pos
0002
       VAR INPUT
0003
       END VAR
0004
       VAR
0005
       (*Motor 1*)
           In_data_1 AT %IW2405: WORD;
0006
0007
           In_data_2 AT %IW2406: WORD;
8000
           Data_in_m1_temp: WORD;
0009
       (*Motor 2*)
0010
           In_data_3 AT %IW2412: WORD;
0011
           In_data_4 AT %IW2413: WORD;
0012
           Data_in_m2_temp: WORD;
0013
       (*Motor 3*)
           In_data_5 AT %IW2419: WORD;
0014
0015
           In_data_6 AT %IW2420: WORD;
0016
           data_in_m3_temp: WORD;
0017
           CA: CALCULATED_ACTUALS;
0018
           roll actual AT %MW3: WORD;
0019
           pitch_actual AT %MW2: WORD;
0020
           PA: REAL;
           PR: REAL;
0021
0022
        END VAR
0001
        (*Leser av posisjonsdata til motor 1*)
0002
        Data_in_m1_temp:= ROL(In_data_1 + In_data_2, 8);
0003
       DATA_IN_M1 := WORD_TO_INT(Data_in_m1_temp);
```

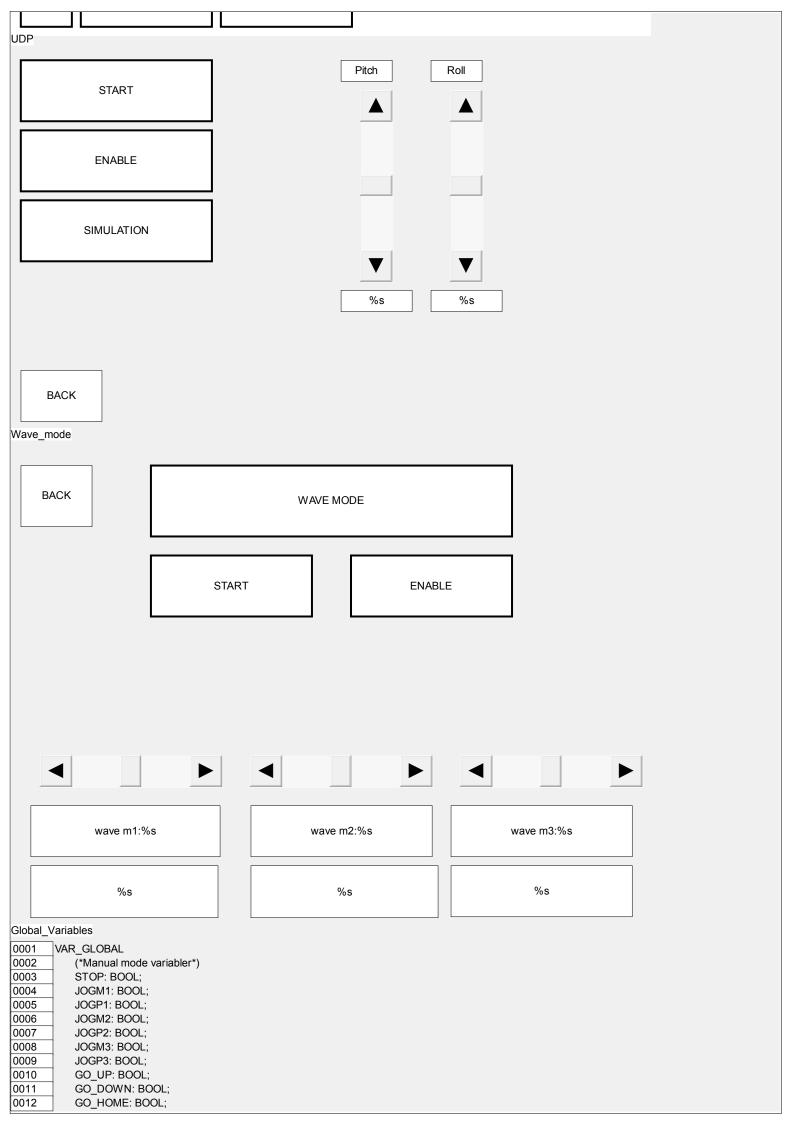
```
0004
0005
        (*Leser av posisjonsdata til motor 2*)
0006
        Data_in_m2_temp := ROL(In_data_3 + In_data_4, 8);
0007
       DATA_IN_M2 := WORD_TO_INT(Data_in_m2_temp);
8000
0009
        (*Leser av posisjonsdata til motor 3*)
0010
        data_in_m3_temp := ROL(In_data_5 + In_data_6, 8);
       DATA_IN_M3 := WORD_TO_INT(Data_in_m3_temp);
0011
0012
       ca();
0013
0014
       PA := (CA.a_pitch);
0015
       PR := (CA.a_roll);
0016
0017
       roll_actual := REAL_TO_INT(PR*1000);
0018
       pitch_actual := REAL_TO_INT(PA*1000);
0019
M1 (FUN-ST)
0001
       FUNCTION M1 : BOOL
0002
       VAR INPUT
0003
           SPEED_DIR:INT;
0004
       END_VAR
0005
       VAR
0006
           P0 1 M1 AT %QW2404: WORD;
0007
           P0_2_M1 AT %QW2405: WORD;
       END_VAR
8000
       IF (ENABLE) THEN
0001
0002
       P0_1M1 := ROR(INT_TO_WORD(2 + 4),8);
                                                   (*Enable signal til M1 sent på ORD 1*)
       P0_2_M1 := ROR(INT_TO_WORD(SPEED_DIR), 8); (* Setter hastigheten til M1 på ord 2 *)
0003
0004
0005
       M1_Cont_inhibit := TRUE;
       END IF
0006
M2 (FUN-ST)
0001
       FUNCTION M2: BOOL
0002
        VAR INPUT
0003
           SPEED_DIR:INT;
0004
       END_VAR
0005
       VAR
0006
           P0 1 M2 AT %QW2411: WORD;
0007
           P0_2_M2 AT %QW2412: WORD;
8000
       END_VAR
0001
       IF (ENABLE) THEN
0002
       P0_1M2 := ROR(INT_TO_WORD(2 + 4), 8);
                                                      (*Enable signal til M2 sent på ORD 1*)
        P0_2_M2 := ROR(INT_TO_WORD(SPEED_DIR), 8); (* Setter hastigheten til M2 på ord 2 *)
0003
0004
0005
       M2_Cont_inhibit := TRUE;
0006
       END_IF
M3 (FUN-ST)
0001
       FUNCTION M3: BOOL
0002
       VAR INPUT
0003
           SPEED_DIR:INT;
0004
       END_VAR
0005
       VAR
           P0_1_M3 AT %QW2418: WORD;
0006
0007
           P0_2_M3 AT %QW2419: WORD;
8000
       END_VAR
0001
       IF (ENABLE) THEN
       P0_1M3 := ROR(INT_TO_WORD(2 + 4), 8);
0002
                                                      (*Enable signal til M3 sent på ord 1*)
0003
       P0_2_M3 := ROR(INT_TO_WORD(Speed_DIR), 8); (* Setter hastigheten til M3 på ord 2 *)
0004
0005
       M3_Cont_inhibit := TRUE;
0006
       END_IF
PLC_PRG (PRG-ST)
0001
       PROGRAM PLC_PRG
0002
0003
           RPTS: ROLL PITCH TO STEP;
0004
           Read_par: BOOL;
0005
       END_VAR
0006
0001
       (* PROGRAM VELGER. *)
0002
0003
        IF(wave_run) AND NOT(input_run) AND NOT(manual_run) THEN
0004
       WAVE_V3();
0005
       END_IF;
0006
0007
       IF(input_run) AND NOT(wave_run) AND NOT(manual_run) THEN
```

```
INPUT_MODE();
0008
0009
       END_IF;
0010
       IF(manual_run) AND NOT(input_run) AND NOT(wave_run) THEN
0011
0012
       MANUAL();
0013
       END_IF;
0014
0015
       (*Setter Plattformen i 0 pos.*)
0016
       IF( NOT wave_run AND NOT input_run AND NOT manual_run) THEN
0017
       RPTS(roll_angle:=0,pitch_angle:=0);
0018
       p1_step:=RPTS.step1;
       p2_step:=RPTS.step2;
0019
0020
       p3 step:=RPTS.step3;
0021
       END_IF;
0022
SET_STEP (PRG-ST)
0001
       PROGRAM SET_STEP
0002
       VAR
0003
           SET M1:DINT;
0004
           STEP_M1: INT;
0005
           SET_M2:DINT;
0006
           STEP_M2: INT;
0007
           SET_M3:DINT;
8000
           STEP_M3: INT;
0009
       END_VAR
       (* P1-3_STEP globale variabler for ønsket Steg *)
0001
0002
       (* DATA_IN_M1-M3 steg verdier avlest fra profibus *)
0003
0004
       IF(DATA_IN_M1 > P1_STEP) THEN
0005
       (*ned*)
0006
       STEP_M1:=REAL_TO_INT((P1_STEP-DATA_IN_M1)/3);
0007
       IF(STEP M1 < -2000) THEN
8000
       STEP M1:= -2000;
       END IF;
0009
0010
       (*OPP*)
0011
       ELSIF(DATA IN M1 < P1 STEP) THEN
0012
       STEP M1:=REAL TO INT((P1 STEP - DATA IN M1)/3);
0013
       IF(STEP_M1 > 2000) THEN
0014
       STEP M1:=2000;
0015
       END_IF;
0016
       ELSE
0017
       STEP_M1:=0;
0018
       END IF:
0019
       M1(SPEED_DIR:=STEP_M1);
0020
0021
0022
       (*M2*)
0023
       IF(DATA_IN_M2 > P2_STEP) THEN
0024
       (*NED*)
0025
       STEP_M2:=REAL_TO_INT((P2_STEP-DATA_IN_M2)/3);
0026
       IF(STEP M2 < -2000) THEN
0027
       STEP M2:= -2000;
0028
       END_IF;
0029
       (*OPP*)
0030
       ELSIF(DATA_IN_M2 < P2_STEP) THEN
0031
       STEP_M2:=REAL_TO_INT((P2_STEP - DATA_IN_M2)/3);
       IF(STEP_M2 > 2000) THEN
0032
       STEP M2:=2000;
0033
       END IF:
0034
0035
       ELSE
0036
       STEP_M2:=0;
       END IF;
0037
0038
       M2(SPEED_DIR:=STEP_M2);
0039
0040
       (*M3*)
0041
       IF(DATA_IN_M3 > P3_STEP) THEN
0042
       STEP_M3:=REAL_TO_INT((P3_STEP-DATA_IN_M3)/3);
0043
       IF(STEP_M3 < -2000) THEN
0044
       STEP_M3:= -2000;
0045
       END_IF;
0046
       ELSIF(DATA_IN_M3 < P3_STEP) THEN
0047
       STEP_M3:=REAL_TO_INT((P3_STEP - DATA_IN_M3)/3);
       IF(STEP_M3 < -2000) THEN
0048
0049
       STEP_M3:=-2000;
0050
       END_IF;
0051
       ELSE
0052
       STEP_M3:=0;
```









```
0013
            Manual_speed: INT:=300;
0014
0015
            (*Motor 1*)
            M1\_Cont\_inhibit\,AT\%QX2404.8:BOOL;
0016
0017
            DATA_IN_M1: INT;
0018
            Y_M1: INT;
0019
            M1_ANGLE: REAL;
0020
0021
            (*Motor 2*)
0022
            M2_Cont_inhibit AT%QX2411.8: BOOL;
0023
            DATA_IN_M2: INT;
0024
            Y_M2: INT;
0025
            M2_ANGLE:REAL;
0026
0027
            (*Motor 3*)
            M3_Cont_inhibit AT%QX2418.8 : BOOL;
0028
            DATA_IN_M3: INT;
0029
0030
            Y_M3: INT;
            M3_ANGLE:REAL;
0031
0032
0033
0034
0035
          (*MOTOR 1 Set Points*)
0036
0037
            p1_step: INT;
0038
            (*MOTOR 2 Set Points*)
0039
            p2_step: INT;
0040
            (*MOTOR 3 Set points*)
0041
            p3_step: INT;
0042
0043
0044
            (*Platform angle Set Points*)
0045
            pitch:REAL;
0046
            roll:REAL;
0047
0048
0049
            (*MODES*)
            ENABLE: BOOL; (*Enables the Drives*)
0050
                                  (* Set specified position *)
0051
            manual_run: BOOL;
0052
            wave_run: BOOL; (* Wave PROGRAM *)
0053
                                  (* Roll / Pitch input from other sources *)
            input_run: BOOL;
0054
            SIMULATION_UDP: BOOL;
0055
0056
0057
            LOGG:BOOL;
0058
0059
        END_VAR
0060
0061
        VAR_GLOBAL CONSTANT
0062
0063
            I1:INT:=150;
                                   (*lower arm in mm*)
0064
            I2:INT:=330;
                                   (*upper arm in mm*)
0065
            I3:INT:=1075;
                                   (*length between joints p1, p2, p3*)
0066
            I4:INT:=931;
                               (*length of platform center from p1*)
0067
            I5:INT := 311;
0068
            I6:INT := 620;
0069
            mid_length:INT:=370;
                                   (*mid length of both arms combined*)
0070
            min_angle:INT:= -125;
0071
            max_angle:INT:= 0;
0072
            max_roll:INT:=10;
0073
            min_roll:INT:=-10;
0074
            max_pitch:INT:=10;
0075
            min_pitch: INT:=-10;
0076
            am:REAL:=57.2958;
                                          (*arcminute constant*)
0077
0078
        END_VAR
Variable_Configuration
0001
        VAR_CONFIG
0002
        END_VAR
Globale_Variablen
0001
        VAR_GLOBAL
0002
        END_VAR
```

CAM Data

```
0001
        (* Automatic generated CAM-Data *)
0002
        VAR_GLOBAL
0003
        END_VAR
CNC Data
0001
        (* Automatic generated CNC-Data *)
0002
        VAR GLOBAL
0003
        END VAR
Drive Configuration Data
0001
        (* Automatic generated Drive-Data *)
0002
        VAR_GLOBAL
0003
        END_VAR
Global Variables 0
0001
        VAR GLOBAL
0002
        END VAR
Globale Variablen
0001
        VAR_GLOBAL
0002
        END_VAR
Version
0001
        VAR_GLOBAL CONSTANT
0002
            rVersion:REAL:=1.001;
0003
        END VAR
Alarm configuration
         Alarm configuration
 -----
              Alarm classes
              System
PLC Configuration
*PLC Configuration (Id.: 8765)
   Node number: -1
   Input address: %IB0
   Output address: %QB0
   Diagnostic address: %MB0
   Download: 1
   AutoAdr: 1
   *K-Bus (* WAGO-I/O-IPC Profibus DP Master, ext *) [FIX] (Id.: 11994)
      Node number: 0
      Input address: %IB0
      Output address: %QB0
      Diagnostic address: %MB0
      Download: 1
      AutoAdr: 1
      *0750-0631/0000-0004 Inkremental Encoder Interface (RS422 Input)[VAR] (Id.: 2000051001)
         Node number: 0
         Input address: %IB0
         Output address: %QB0
         Diagnostic address: %MB0
         Download: 1
         AutoAdr: 1
         Channels:
            AT %IX0.0: BOOL; (* Latched Data Set *) [CHANNEL (I)]
            AT %IX0.1: BOOL; (* External Latch Ack. *) [CHANNEL (I)]
            AT %IX0.2: BOOL; (* Counter Set Acknowledge *) [CHANNEL (I)]
            AT %IX0.3: BOOL; (* Counter Underflow *) [CHANNEL (I)]
            AT %IX0.4: BOOL; (* Counter Overflow *) [CHANNEL (I)]
            AT %IX0.5: BOOL; (* External Error *) [CHANNEL (I)]
            AT %IB2: BYTE; (* Counter value Low Byte *) [CHANNEL (I)]
            AT %IB3: BYTE; (* Counter value High Byte *) [CHANNEL (I)]
            AT %IX2.0: BOOL; (* Signal Input Gate *) [CHANNEL (I)]
            AT %IX2.1: BOOL; (* Signal Input Latch *) [CHANNEL (I)]
            AT %IX2.2: BOOL; (* Signal Input external error *) [CHANNEL (I)]
            AT %IX2.3: BOOL; (* Signal Input C,/C *) [CHANNEL (I)]
            AT %IX2.4: BOOL; (* Signal Input B,/B *) [CHANNEL (I)]
            AT %IX2.5: BOOL; (* Signal Input A,/A*) [CHANNEL (I)]
            AT %IW3: WORD; (* Latch value *) [CHANNEL (I)]
            AT %QX0.0: BOOL; (* Release Index Pulse *) [CHANNEL (Q)]
            AT %QX0.1: BOOL; (* Release Latch *) [CHANNEL (Q)]
```

```
AT %QX0.2: BOOL; (* Counter Set *) [CHANNEL (Q)]
         AT %QB2: BYTE; (* Set value Low Byte *) [CHANNEL (Q)]
         AT %QB3: BYTE; (* Set value High Byte *) [CHANNEL (Q)]
*Internal Digital I/O[FIX] (Id.: 9)
  Node number: 1
  Input address: %IB512
  Output address: %QB512
  Diagnostic address: %MB0
  Download: 1
  AutoAdr: 1
  *Internal Digital Inputs[FIX] (Id.: 10)
     Node number: 0
     Input address: %IB512
     Output address: %QB512
     Diagnostic address: %MB4
     Download: 1
     AutoAdr: 1
     Channels:
        DIN1 AT %IX2300.0: BOOL; (* Internal Digital Input Bit 1 *) [CHANNEL (I)]
        DIN2 AT %IX2300.1: BOOL; (* Internal Digital Input Bit 2 *) [CHANNEL (I)]
   *Internal Digital Outputs[FIX] (Id.: 11)
     Node number: 1
     Input address: %IB513
     Output address: %QB512
     Diagnostic address: %MB8
     Download: 1
     AutoAdr: 1
     Channels:
        DOUT1 AT %QX2300.0: BOOL; (* Internal Digital Output Bit 1 *) [CHANNEL (Q)]
        DOUT2 AT %QX2300.1: BOOL; (* Internal Digital Output Bit 2 *) [CHANNEL (Q)]
*Fieldbus variables[FIX] (Id.: 2010310001)
  Node number: 3
  Input address: %IB0
  Output address: %QB0
  Diagnostic address: %MB0
  Download: 1
  AutoAdr: 1
*Flag variables[FIX] (Id.: 2010320001)
  Node number: 4
  Input address: %IB0
  Output address: %QB0
  Diagnostic address: %MB0
  Download: 1
  AutoAdr: 1
*WAGO-FB-DPM[VAR] (Id.: 983083)
  Node number: 2
  Input address: %IB4800
  Output address: %QB4800
  Diagnostic address: %MB8000
  Download: 1
  AutoAdr: 1
  Parameter:
     UpdateTask: All
     Bus Mode: Asynchron
  Device dependent data:
     GSD-File: 08A6_V10.GSD
     Station number: 1
     Highest station number: 4
     Baud rate: 12000,00
     Auto Clear: 0
     Automatic Start: 1
     Slot Time (TSL): 1000 tBit
     Min.Station Delay (min TSDR): 11 tBit
     Max.Station Delay (max TSDR): 800 tBit
     Quiet Time (TQUI): 9 tBit
     Setup Time (TSET): 16 tBit
     Target Rotation Time (TTR): 6647 tBit
     Gap Update Factor: 10
     Max. Retry Limit: 4
     Min. Slave Interval: 1 100 µs
     Poll Timeout: 10 10 ms
     Data Control Time: 1200 ms
```

```
Watchdog Time (TWD): 1000 ms
      Gr 1: Freeze:1, Sync: 1
     Gr 2: Freeze:1, Sync: 1
     Gr 3: Freeze:1, Sync: 1
     Gr 4: Freeze:1, Sync: 1
     Gr 5: Freeze:1, Sync: 1
     Gr 6: Freeze:1, Sync: 1
     Gr 7: Freeze:1, Sync: 1
      Gr 8: Freeze:1, Sync: 1
*MOVIDRIVE DFP21/MCH41[VAR] (Id.: 69230394)
   Node number: 0
   Input address: %IB4800
   Output address: %QB4800
   Diagnostic address: %MB8004
   Download: 1
   AutoAdr: 1
   Device dependent data:
      GSD-File: SEW_6003.gsd
      Station number: 2
     Station active: 1
     TSDR: 11
     Watchdog: 1
      Watchdog Time: 1000
     Fail Save: 1
     Freeze:0
     Sync: 0
     Lock/Unlock: 2
     Group settings: 0
     Ext_User_Prm_Data:
         "External Diagnosis (only DP)": Disabled (off)
      Selected modules:
         Param + 3 PD (4+3 words), 0xF3, 0xF2 (++)
  Param + 3 PD (4+3 words)
      AT %IW2400: WORD;
         AT %IX2400.0: BOOL; (* Bit 0 *)
         AT %IX2400.1: BOOL; (* Bit 1 *)
         AT %IX2400.2: BOOL; (* Bit 2 *)
         AT %IX2400.3: BOOL; (* Bit 3 *)
         AT %IX2400.4: BOOL; (* Bit 4 *)
         AT %IX2400.5: BOOL; (* Bit 5 *)
         AT %IX2400.6: BOOL; (* Bit 6 *)
         AT %IX2400.7: BOOL; (* Bit 7 *)
         AT %IX2400.8: BOOL; (* Bit 8 *)
         AT %IX2400.9: BOOL; (* Bit 9 *)
         AT %IX2400.10: BOOL; (* Bit 10 *)
         AT %IX2400.11: BOOL; (* Bit 11 *)
         AT %IX2400.12: BOOL; (* Bit 12 *)
         AT %IX2400.13: BOOL; (* Bit 13 *)
         AT %IX2400.14: BOOL; (* Bit 14 *)
         AT %IX2400.15: BOOL; (* Bit 15 *)
      AT %IW2401: WORD;
         AT %IX2401.0: BOOL; (* Bit 0 *)
         AT %IX2401.1: BOOL; (* Bit 1 *)
         AT %IX2401.2: BOOL; (* Bit 2 *)
         AT %IX2401.3: BOOL; (* Bit 3 *)
         AT %IX2401.4: BOOL; (* Bit 4 *)
         AT %IX2401.5: BOOL; (* Bit 5 *)
         AT %IX2401.6: BOOL; (* Bit 6 *)
         AT %IX2401.7: BOOL; (* Bit 7 *)
         AT %IX2401.8: BOOL; (* Bit 8 *)
         AT %IX2401.9: BOOL; (* Bit 9 *)
         AT %IX2401.10: BOOL; (* Bit 10 *)
         AT %IX2401.11: BOOL; (* Bit 11 *)
         AT %IX2401.12: BOOL; (* Bit 12 *)
         AT %IX2401.13: BOOL; (* Bit 13 *)
         AT %IX2401.14: BOOL; (* Bit 14 *)
         AT %IX2401.15: BOOL; (* Bit 15 *)
      AT %IW2402: WORD;
         AT %IX2402.0: BOOL; (* Bit 0 *)
         AT %IX2402.1: BOOL; (* Bit 1 *)
         AT %IX2402.2: BOOL; (* Bit 2 *)
         AT %IX2402.3: BOOL; (* Bit 3 *)
         AT %IX2402.4: BOOL; (* Bit 4 *)
         AT %IX2402.5: BOOL; (* Bit 5 *)
         AT %IX2402.6: BOOL; (* Bit 6 *)
```

```
AT %IX2402.7: BOOL; (* Bit 7 *)
  AT %IX2402.8: BOOL; (* Bit 8 *)
  AT %IX2402.9: BOOL; (* Bit 9 *)
  AT %IX2402.10: BOOL; (* Bit 10 *)
  AT %IX2402.11: BOOL; (* Bit 11 *)
  AT %IX2402.12: BOOL; (* Bit 12 *)
  AT %IX2402.13: BOOL; (* Bit 13 *)
  AT %IX2402.14: BOOL; (* Bit 14 *)
  AT %IX2402.15: BOOL; (* Bit 15 *)
AT %IW2403: WORD;
  AT %IX2403.0: BOOL; (* Bit 0 *)
  AT %IX2403.1: BOOL; (* Bit 1 *)
  AT %IX2403.2: BOOL; (* Bit 2 *)
  AT %IX2403.3: BOOL; (* Bit 3 *)
  AT %IX2403.4: BOOL; (* Bit 4 *)
  AT %IX2403.5: BOOL; (* Bit 5 *)
  AT %IX2403.6: BOOL; (* Bit 6 *)
  AT %IX2403.7: BOOL; (* Bit 7 *)
  AT %IX2403.8: BOOL; (* Bit 8 *)
  AT %IX2403.9: BOOL; (* Bit 9 *)
  AT %IX2403.10: BOOL; (* Bit 10 *)
  AT %IX2403.11: BOOL; (* Bit 11 *)
  AT %IX2403.12: BOOL; (* Bit 12 *)
  AT %IX2403.13: BOOL; (* Bit 13 *)
  AT %IX2403.14: BOOL; (* Bit 14 *)
  AT %IX2403.15: BOOL; (* Bit 15 *)
AT %QW2400: WORD;
  AT %QX2400.0: BOOL; (* Bit 0 *)
  AT %QX2400.1: BOOL; (* Bit 1 *)
  AT %QX2400.2: BOOL; (* Bit 2 *)
  AT %QX2400.3: BOOL; (* Bit 3 *)
  AT %QX2400.4: BOOL; (* Bit 4 *)
  AT %QX2400.5: BOOL; (* Bit 5 *)
  AT %QX2400.6: BOOL; (* Bit 6 *)
  AT %QX2400.7: BOOL; (* Bit 7 *)
  AT %QX2400.8: BOOL; (* Bit 8 *)
  AT %QX2400.9: BOOL; (* Bit 9 *)
  AT %QX2400.10: BOOL; (* Bit 10 *)
  AT %QX2400.11: BOOL; (* Bit 11 *)
  AT %QX2400.12: BOOL; (* Bit 12 *)
  AT %QX2400.13: BOOL; (* Bit 13 *)
  AT %QX2400.14: BOOL; (* Bit 14 *)
  AT %QX2400.15: BOOL; (* Bit 15 *)
AT %QW2401: WORD;
  AT %QX2401.0: BOOL; (* Bit 0 *)
  AT %QX2401.1: BOOL; (* Bit 1 *)
  AT %QX2401.2: BOOL; (* Bit 2 *)
  AT %QX2401.3: BOOL; (* Bit 3 *)
  AT %QX2401.4: BOOL; (* Bit 4 *)
  AT %QX2401.5: BOOL; (* Bit 5 *)
  AT %QX2401.6: BOOL; (* Bit 6 *)
  AT %QX2401.7: BOOL; (* Bit 7 *)
  AT %QX2401.8: BOOL; (* Bit 8 *)
  AT %QX2401.9: BOOL; (* Bit 9 *)
  AT %QX2401.10: BOOL; (* Bit 10 *)
  AT %QX2401.11: BOOL; (* Bit 11 *)
  AT %QX2401.12: BOOL; (* Bit 12 *)
  AT %QX2401.13: BOOL; (* Bit 13 *)
  AT %QX2401.14: BOOL; (* Bit 14 *)
  AT %QX2401.15: BOOL; (* Bit 15 *)
AT %QW2402: WORD;
  AT %QX2402.0: BOOL; (* Bit 0 *)
  AT %QX2402.1: BOOL; (* Bit 1 *)
  AT %QX2402.2: BOOL; (* Bit 2 *)
  AT %QX2402.3: BOOL; (* Bit 3 *)
  AT %QX2402.4: BOOL; (* Bit 4 *)
  AT %QX2402.5: BOOL; (* Bit 5 *)
  AT %QX2402.6: BOOL; (* Bit 6 *)
  AT %QX2402.7: BOOL; (* Bit 7 *)
  AT %QX2402.8: BOOL; (* Bit 8 *)
  AT %QX2402.9: BOOL; (* Bit 9 *)
  AT %QX2402.10: BOOL; (* Bit 10 *)
  AT %QX2402.11: BOOL; (* Bit 11 *)
  AT %QX2402.12: BOOL; (* Bit 12 *)
  AT %QX2402.13: BOOL; (* Bit 13 *)
  AT %QX2402.14: BOOL; (* Bit 14 *)
  AT %QX2402.15: BOOL; (* Bit 15 *)
```

AT %QW2403: WORD;

```
AT %QX2403.0: BOOL; (* Bit 0 *)
   AT %QX2403.1: BOOL; (* Bit 1 *)
   AT %QX2403.2: BOOL; (* Bit 2 *)
   AT %QX2403.3: BOOL; (* Bit 3 *)
   AT %QX2403.4: BOOL; (* Bit 4 *)
   AT %QX2403.5: BOOL; (* Bit 5 *)
   AT %QX2403.6: BOOL; (* Bit 6 *)
   AT %QX2403.7: BOOL; (* Bit 7 *)
   AT %QX2403.8: BOOL; (* Bit 8 *)
   AT %QX2403.9: BOOL; (* Bit 9 *)
   AT %QX2403.10: BOOL; (* Bit 10 *)
   AT %QX2403.11: BOOL; (* Bit 11 *)
   AT %QX2403.12: BOOL; (* Bit 12 *)
   AT %QX2403.13: BOOL; (* Bit 13 *)
   AT %QX2403.14: BOOL; (* Bit 14 *)
   AT %QX2403.15: BOOL; (* Bit 15 *)
AT %IW2404: WORD;
   AT %IX2404.0: BOOL; (* Bit 0 *)
   AT %IX2404.1: BOOL; (* Bit 1 *)
   AT %IX2404.2: BOOL; (* Bit 2 *)
   AT %IX2404.3: BOOL; (* Bit 3 *)
   AT %IX2404.4: BOOL; (* Bit 4 *)
   AT %IX2404.5: BOOL; (* Bit 5 *)
   AT %IX2404.6: BOOL; (* Bit 6 *)
   AT %IX2404.7: BOOL; (* Bit 7 *)
   AT %IX2404.8: BOOL; (* Bit 8 *)
   AT %IX2404.9: BOOL; (* Bit 9 *)
   AT %IX2404.10: BOOL; (* Bit 10 *)
   AT %IX2404.11: BOOL; (* Bit 11 *)
   AT %IX2404.12: BOOL; (* Bit 12 *)
   AT %IX2404.13: BOOL; (* Bit 13 *)
   AT %IX2404.14: BOOL; (* Bit 14 *)
   AT %IX2404.15: BOOL; (* Bit 15 *)
AT %IW2405: WORD;
   AT %IX2405.0: BOOL; (* Bit 0 *)
   AT %IX2405.1: BOOL; (* Bit 1 *)
   AT %IX2405.2: BOOL; (* Bit 2 *)
   AT %IX2405.3: BOOL; (* Bit 3 *)
   AT %IX2405.4: BOOL; (* Bit 4 *)
   AT %IX2405.5: BOOL; (* Bit 5 *)
   AT %IX2405.6: BOOL; (* Bit 6 *)
   AT %IX2405.7: BOOL; (* Bit 7 *)
   AT %IX2405.8: BOOL; (* Bit 8 *)
   AT %IX2405.9: BOOL; (* Bit 9 *)
   AT %IX2405.10: BOOL; (* Bit 10 *)
   AT %IX2405.11: BOOL; (* Bit 11 *)
   AT %IX2405.12: BOOL; (* Bit 12 *)
   AT %IX2405.13: BOOL; (* Bit 13 *)
   AT %IX2405.14: BOOL; (* Bit 14 *)
   AT %IX2405.15: BOOL; (* Bit 15 *)
AT %IW2406: WORD;
   AT %IX2406.0: BOOL; (* Bit 0 *)
   AT %IX2406.1: BOOL; (* Bit 1 *)
   AT %IX2406.2: BOOL; (* Bit 2 *)
   AT %IX2406.3: BOOL; (* Bit 3 *)
   AT %IX2406.4: BOOL; (* Bit 4 *)
   AT %IX2406.5: BOOL; (* Bit 5 *)
   AT %IX2406.6: BOOL; (* Bit 6 *)
   AT %IX2406.7: BOOL; (* Bit 7 *)
   AT %IX2406.8: BOOL; (* Bit 8 *)
   AT %IX2406.9: BOOL; (* Bit 9 *)
   AT %IX2406.10: BOOL; (* Bit 10 *)
   AT %IX2406.11: BOOL; (* Bit 11 *)
   AT %IX2406.12: BOOL; (* Bit 12 *)
   AT %IX2406.13: BOOL; (* Bit 13 *)
   AT %IX2406.14: BOOL; (* Bit 14 *)
   AT %IX2406.15: BOOL; (* Bit 15 *)
AT %QW2404: WORD;
   AT %QX2404.0: BOOL; (* Bit 0 *)
   AT %QX2404.1: BOOL; (* Bit 1 *)
   AT %QX2404.2: BOOL; (* Bit 2 *)
   AT %QX2404.3: BOOL; (* Bit 3 *)
   AT %QX2404.4: BOOL; (* Bit 4 *)
   AT %QX2404.5: BOOL; (* Bit 5 *)
   AT %QX2404.6: BOOL; (* Bit 6 *)
   AT %QX2404.7: BOOL; (* Bit 7 *)
   AT %QX2404.8: BOOL; (* Bit 8 *)
```

AT %QX2404.9: BOOL; (* Bit 9 *)

```
AT %QX2404.10: BOOL; (* Bit 10 *)
         AT %QX2404.11: BOOL; (* Bit 11 *)
         AT %QX2404.12: BOOL; (* Bit 12 *)
         AT %QX2404.13: BOOL; (* Bit 13 *)
         AT %QX2404.14: BOOL; (* Bit 14 *)
         AT %QX2404.15: BOOL; (* Bit 15 *)
      AT %QW2405: WORD;
         AT %QX2405.0: BOOL; (* Bit 0 *)
         AT %QX2405.1: BOOL; (* Bit 1 *)
         AT %QX2405.2: BOOL; (* Bit 2 *)
         AT %QX2405.3: BOOL; (* Bit 3 *)
         AT %QX2405.4: BOOL; (* Bit 4 *)
         AT %QX2405.5: BOOL; (* Bit 5 *)
         AT %QX2405.6: BOOL; (* Bit 6 *)
         AT %QX2405.7: BOOL; (* Bit 7 *)
         AT %QX2405.8: BOOL; (* Bit 8 *)
         AT %QX2405.9: BOOL; (* Bit 9 *)
         AT %QX2405.10: BOOL; (* Bit 10 *)
         AT %QX2405.11: BOOL; (* Bit 11 *)
         AT %QX2405.12: BOOL; (* Bit 12 *)
         AT %QX2405.13: BOOL; (* Bit 13 *)
         AT %QX2405.14: BOOL; (* Bit 14 *)
         AT %QX2405.15: BOOL; (* Bit 15 *)
      AT %QW2406: WORD;
         AT %QX2406.0: BOOL; (* Bit 0 *)
         AT %QX2406.1: BOOL; (* Bit 1 *)
         AT %QX2406.2: BOOL; (* Bit 2 *)
         AT %QX2406.3: BOOL; (* Bit 3 *)
         AT %QX2406.4: BOOL; (* Bit 4 *)
         AT %QX2406.5: BOOL; (* Bit 5 *)
         AT %QX2406.6: BOOL; (* Bit 6 *)
         AT %QX2406.7: BOOL; (* Bit 7 *)
         AT %QX2406.8: BOOL; (* Bit 8 *)
         AT %QX2406.9: BOOL; (* Bit 9 *)
         AT %QX2406.10: BOOL; (* Bit 10 *)
         AT %QX2406.11: BOOL; (* Bit 11 *)
         AT %QX2406.12: BOOL; (* Bit 12 *)
         AT %QX2406.13: BOOL; (* Bit 13 *)
         AT %QX2406.14: BOOL; (* Bit 14 *)
         AT %QX2406.15: BOOL; (* Bit 15 *)
*MOVIDRIVE DFP21/MCH41[VAR] (Id.: 69230394)
  Node number: 1
  Input address: %IB4814
  Output address: %QB4814
  Diagnostic address: %MB8028
  Download: 1
  AutoAdr: 1
  Device dependent data:
     GSD-File: SEW_6003.gsd
     Station number: 3
     Station active: 1
     TSDR: 11
     Watchdog: 1
     Watchdog Time: 1000
     Fail Save: 1
     Freeze:0
     Sync: 0
     Lock/Unlock: 2
     Group settings: 0
     Ext User Prm Data:
         "External Diagnosis (only DP)": Disabled (off)
     Selected modules:
        Param + 3 PD (4+3 words), 0xF3, 0xF2 (++)
  Param + 3 PD (4+3 words)
      AT %IW2407: WORD;
         AT %IX2407.0: BOOL; (* Bit 0 *)
         AT %IX2407.1: BOOL; (* Bit 1 *)
         AT %IX2407.2: BOOL; (* Bit 2 *)
         AT %IX2407.3: BOOL; (* Bit 3 *)
         AT %IX2407.4: BOOL; (* Bit 4 *)
         AT %IX2407.5: BOOL; (* Bit 5 *)
         AT %IX2407.6: BOOL; (* Bit 6 *)
         AT %IX2407.7: BOOL; (* Bit 7 *)
         AT %IX2407.8: BOOL; (* Bit 8 *)
         AT %IX2407.9: BOOL; (* Bit 9 *)
         AT %IX2407.10: BOOL; (* Bit 10 *)
```

```
AT %IX2407.11: BOOL; (* Bit 11 *)
   AT %IX2407.12: BOOL; (* Bit 12 *)
   AT %IX2407.13: BOOL; (* Bit 13 *)
  AT %IX2407.14: BOOL; (* Bit 14 *)
   AT %IX2407.15: BOOL; (* Bit 15 *)
AT %IW2408: WORD;
   AT %IX2408.0: BOOL; (* Bit 0 *)
  AT %IX2408.1: BOOL; (* Bit 1 *)
   AT %IX2408.2: BOOL; (* Bit 2 *)
   AT %IX2408.3: BOOL; (* Bit 3 *)
   AT %IX2408.4: BOOL; (* Bit 4 *)
  AT %IX2408.5: BOOL; (* Bit 5 *)
   AT %IX2408.6: BOOL; (* Bit 6 *)
   AT %IX2408.7: BOOL; (* Bit 7 *)
   AT %IX2408.8: BOOL; (* Bit 8 *)
  AT %IX2408.9: BOOL; (* Bit 9 *)
  AT %IX2408.10: BOOL; (* Bit 10 *)
   AT %IX2408.11: BOOL; (* Bit 11 *)
   AT %IX2408.12: BOOL; (* Bit 12 *)
  AT %IX2408.13: BOOL; (* Bit 13 *)
   AT %IX2408.14: BOOL; (* Bit 14 *)
   AT %IX2408.15: BOOL; (* Bit 15 *)
AT %IW2409: WORD;
  AT %IX2409.0: BOOL; (* Bit 0 *)
   AT %IX2409.1: BOOL; (* Bit 1 *)
   AT %IX2409.2: BOOL; (* Bit 2 *)
  AT %IX2409.3: BOOL; (* Bit 3 *)
   AT %IX2409.4: BOOL; (* Bit 4 *)
   AT %IX2409.5: BOOL; (* Bit 5 *)
   AT %IX2409.6: BOOL; (* Bit 6 *)
  AT %IX2409.7: BOOL; (* Bit 7 *)
  AT %IX2409.8: BOOL; (* Bit 8 *)
   AT %IX2409.9: BOOL; (* Bit 9 *)
   AT %IX2409.10: BOOL; (* Bit 10 *)
   AT %IX2409.11: BOOL; (* Bit 11 *)
   AT %IX2409.12: BOOL; (* Bit 12 *)
   AT %IX2409.13: BOOL; (* Bit 13 *)
   AT %IX2409.14: BOOL; (* Bit 14 *)
  AT %IX2409.15: BOOL; (* Bit 15 *)
AT %IW2410: WORD:
   AT %IX2410.0: BOOL; (* Bit 0 *)
   AT %IX2410.1: BOOL; (* Bit 1 *)
  AT %IX2410.2: BOOL; (* Bit 2 *)
   AT %IX2410.3: BOOL; (* Bit 3 *)
   AT %IX2410.4: BOOL; (* Bit 4 *)
   AT %IX2410.5: BOOL; (* Bit 5 *)
  AT %IX2410.6: BOOL; (* Bit 6 *)
   AT %IX2410.7: BOOL; (* Bit 7 *)
   AT %IX2410.8: BOOL; (* Bit 8 *)
   AT %IX2410.9: BOOL; (* Bit 9 *)
  AT %IX2410.10: BOOL; (* Bit 10 *)
   AT %IX2410.11: BOOL; (* Bit 11 *)
   AT %IX2410.12: BOOL; (* Bit 12 *)
   AT %IX2410.13: BOOL; (* Bit 13 *)
  AT %IX2410.14: BOOL; (* Bit 14 *)
  AT %IX2410.15: BOOL; (* Bit 15 *)
AT %QW2407: WORD;
  AT %QX2407.0: BOOL; (* Bit 0 *)
   AT %QX2407.1: BOOL; (* Bit 1 *)
   AT %QX2407.2: BOOL; (* Bit 2 *)
   AT %QX2407.3: BOOL; (* Bit 3 *)
  AT %QX2407.4: BOOL; (* Bit 4 *)
   AT %QX2407.5: BOOL; (* Bit 5 *)
  AT %QX2407.6: BOOL; (* Bit 6 *)
   AT %QX2407.7: BOOL; (* Bit 7 *)
   AT %QX2407.8: BOOL; (* Bit 8 *)
  AT %QX2407.9: BOOL; (* Bit 9 *)
  AT %QX2407.10: BOOL; (* Bit 10 *)
   AT %QX2407.11: BOOL; (* Bit 11 *)
  AT %QX2407.12: BOOL; (* Bit 12 *)
   AT %QX2407.13: BOOL; (* Bit 13 *)
   AT %QX2407.14: BOOL; (* Bit 14 *)
   AT %QX2407.15: BOOL; (* Bit 15 *)
AT %QW2408: WORD:
  AT %QX2408.0: BOOL; (* Bit 0 *)
   AT %QX2408.1: BOOL; (* Bit 1 *)
   AT %QX2408.2: BOOL; (* Bit 2 *)
   AT %QX2408.3: BOOL; (* Bit 3 *)
```

```
AT %QX2408.4: BOOL; (* Bit 4 *)
  AT %QX2408.5: BOOL; (* Bit 5 *)
  AT %QX2408.6: BOOL; (* Bit 6 *)
  AT %QX2408.7: BOOL; (* Bit 7 *)
  AT %QX2408.8: BOOL; (* Bit 8 *)
  AT %QX2408.9: BOOL; (* Bit 9 *)
  AT %QX2408.10: BOOL; (* Bit 10 *)
  AT %QX2408.11: BOOL; (* Bit 11 *)
  AT %QX2408.12: BOOL; (* Bit 12 *)
  AT %QX2408.13: BOOL; (* Bit 13 *)
  AT %QX2408.14: BOOL; (* Bit 14 *)
  AT %QX2408.15: BOOL; (* Bit 15 *)
AT %QW2409: WORD;
  AT %QX2409.0: BOOL; (* Bit 0 *)
  AT %QX2409.1: BOOL; (* Bit 1 *)
  AT %QX2409.2: BOOL; (* Bit 2 *)
  AT %QX2409.3: BOOL; (* Bit 3 *)
  AT %QX2409.4: BOOL; (* Bit 4 *)
  AT %QX2409.5: BOOL; (* Bit 5 *)
  AT %QX2409.6: BOOL; (* Bit 6 *)
  AT %QX2409.7: BOOL; (* Bit 7 *)
  AT %QX2409.8: BOOL; (* Bit 8 *)
  AT %QX2409.9: BOOL; (* Bit 9 *)
  AT %QX2409.10: BOOL; (* Bit 10 *)
  AT %QX2409.11: BOOL; (* Bit 11 *)
  AT %QX2409.12: BOOL; (* Bit 12 *)
  AT %QX2409.13: BOOL; (* Bit 13 *)
  AT %QX2409.14: BOOL; (* Bit 14 *)
  AT %QX2409.15: BOOL; (* Bit 15 *)
AT %QW2410: WORD;
  AT %QX2410.0: BOOL; (* Bit 0 *)
  AT %QX2410.1: BOOL; (* Bit 1 *)
  AT %QX2410.2: BOOL; (* Bit 2 *)
  AT %QX2410.3: BOOL; (* Bit 3 *)
  AT %QX2410.4: BOOL; (* Bit 4 *)
  AT %QX2410.5: BOOL; (* Bit 5 *)
  AT %QX2410.6: BOOL; (* Bit 6 *)
  AT %QX2410.7: BOOL; (* Bit 7 *)
  AT %QX2410.8: BOOL; (* Bit 8 *)
  AT %QX2410.9: BOOL; (* Bit 9 *)
  AT %QX2410.10: BOOL; (* Bit 10 *)
  AT %QX2410.11: BOOL; (* Bit 11 *)
  AT %QX2410.12: BOOL; (* Bit 12 *)
  AT %QX2410.13: BOOL; (* Bit 13 *)
  AT %QX2410.14: BOOL; (* Bit 14 *)
  AT %QX2410.15: BOOL; (* Bit 15 *)
AT %IW2411: WORD:
  AT %IX2411.0: BOOL; (* Bit 0 *)
  AT %IX2411.1: BOOL; (* Bit 1 *)
  AT %IX2411.2: BOOL; (* Bit 2 *)
  AT %IX2411.3: BOOL; (* Bit 3 *)
  AT %IX2411.4: BOOL; (* Bit 4 *)
  AT %IX2411.5: BOOL; (* Bit 5 *)
  AT %IX2411.6: BOOL; (* Bit 6 *)
  AT %IX2411.7: BOOL; (* Bit 7 *)
  AT %IX2411.8: BOOL; (* Bit 8 *)
  AT %IX2411.9: BOOL; (* Bit 9 *)
  AT %IX2411.10: BOOL; (* Bit 10 *)
  AT %IX2411.11: BOOL; (* Bit 11 *)
  AT %IX2411.12: BOOL; (* Bit 12 *)
  AT %IX2411.13: BOOL; (* Bit 13 *)
  AT %IX2411.14: BOOL; (* Bit 14 *)
  AT %IX2411.15: BOOL; (* Bit 15 *)
AT %IW2412: WORD;
  AT %IX2412.0: BOOL; (* Bit 0 *)
  AT %IX2412.1: BOOL; (* Bit 1 *)
  AT %IX2412.2: BOOL; (* Bit 2 *)
  AT %IX2412.3: BOOL; (* Bit 3 *)
  AT %IX2412.4: BOOL; (* Bit 4 *)
  AT %IX2412.5: BOOL; (* Bit 5 *)
  AT %IX2412.6: BOOL; (* Bit 6 *)
  AT %IX2412.7: BOOL; (* Bit 7 *)
  AT %IX2412.8: BOOL; (* Bit 8 *)
  AT %IX2412.9: BOOL; (* Bit 9 *)
  AT %IX2412.10: BOOL; (* Bit 10 *)
  AT %IX2412.11: BOOL; (* Bit 11 *)
  AT %IX2412.12: BOOL; (* Bit 12 *)
```

AT %IX2412.13: BOOL; (* Bit 13 *)

```
AT %IX2412.14: BOOL; (* Bit 14 *)
         AT %IX2412.15: BOOL; (* Bit 15 *)
      AT %IW2413: WORD;
         AT %IX2413.0: BOOL; (* Bit 0 *)
         AT %IX2413.1: BOOL; (* Bit 1 *)
         AT %IX2413.2: BOOL; (* Bit 2 *)
         AT %IX2413.3: BOOL; (* Bit 3 *)
         AT %IX2413.4: BOOL; (* Bit 4 *)
         AT %IX2413.5: BOOL; (* Bit 5 *)
         AT %IX2413.6: BOOL; (* Bit 6 *)
         AT %IX2413.7: BOOL; (* Bit 7 *)
         AT %IX2413.8: BOOL; (* Bit 8 *)
         AT %IX2413.9: BOOL; (* Bit 9 *)
         AT %IX2413.10: BOOL; (* Bit 10 *)
         AT %IX2413.11: BOOL; (* Bit 11 *)
         AT %IX2413.12: BOOL; (* Bit 12 *)
         AT %IX2413.13: BOOL; (* Bit 13 *)
         AT %IX2413.14: BOOL; (* Bit 14 *)
         AT %IX2413.15: BOOL; (* Bit 15 *)
      AT %QW2411: WORD;
         AT %QX2411.0: BOOL; (* Bit 0 *)
         AT %QX2411.1: BOOL; (* Bit 1 *)
         AT %QX2411.2: BOOL; (* Bit 2 *)
         AT %QX2411.3: BOOL; (* Bit 3 *)
         AT %QX2411.4: BOOL; (* Bit 4 *)
         AT %QX2411.5: BOOL; (* Bit 5 *)
         AT %QX2411.6: BOOL; (* Bit 6 *)
         AT %QX2411.7: BOOL; (* Bit 7 *)
         AT %QX2411.8: BOOL; (* Bit 8 *)
         AT %QX2411.9: BOOL; (* Bit 9 *)
         AT %QX2411.10: BOOL; (* Bit 10 *)
         AT %QX2411.11: BOOL; (* Bit 11 *)
         AT %QX2411.12: BOOL; (* Bit 12 *)
         AT %QX2411.13: BOOL; (* Bit 13 *)
         AT %QX2411.14: BOOL; (* Bit 14 *)
         AT %QX2411.15: BOOL; (* Bit 15 *)
      AT %QW2412: WORD;
         AT %QX2412.0: BOOL; (* Bit 0 *)
         AT %QX2412.1: BOOL; (* Bit 1 *)
         AT %QX2412.2: BOOL; (* Bit 2 *)
         AT %QX2412.3: BOOL; (* Bit 3 *)
         AT %QX2412.4: BOOL; (* Bit 4 *)
         AT %QX2412.5: BOOL; (* Bit 5 *)
         AT %QX2412.6: BOOL; (* Bit 6 *)
         AT %QX2412.7: BOOL; (* Bit 7 *)
         AT %QX2412.8: BOOL; (* Bit 8 *)
         AT %QX2412.9: BOOL; (* Bit 9 *)
         AT %QX2412.10: BOOL; (* Bit 10 *)
         AT %QX2412.11: BOOL; (* Bit 11 *)
         AT %QX2412.12: BOOL; (* Bit 12 *)
         AT %QX2412.13: BOOL; (* Bit 13 *)
         AT %QX2412.14: BOOL; (* Bit 14 *)
         AT %QX2412.15: BOOL; (* Bit 15 *)
      AT %QW2413: WORD;
         AT %QX2413.0: BOOL; (* Bit 0 *)
         AT %QX2413.1: BOOL; (* Bit 1 *)
         AT %QX2413.2: BOOL; (* Bit 2 *)
         AT %QX2413.3: BOOL; (* Bit 3 *)
         AT %QX2413.4: BOOL; (* Bit 4 *)
         AT %QX2413.5: BOOL; (* Bit 5 *)
         AT %QX2413.6: BOOL; (* Bit 6 *)
         AT %QX2413.7: BOOL; (* Bit 7 *)
         AT %QX2413.8: BOOL; (* Bit 8 *)
         AT %QX2413.9: BOOL; (* Bit 9 *)
         AT %QX2413.10: BOOL; (* Bit 10 *)
         AT %QX2413.11: BOOL; (* Bit 11 *)
         AT %QX2413.12: BOOL; (* Bit 12 *)
         AT %QX2413.13: BOOL; (* Bit 13 *)
         AT %QX2413.14: BOOL; (* Bit 14 *)
         AT %QX2413.15: BOOL; (* Bit 15 *)
*MOVIDRIVE DFP21/MCH41[VAR] (Id.: 69230394)
  Node number: 2
  Input address: %IB4828
  Output address: %QB4828
  Diagnostic address: %MB8052
  Download: 1
```

AutoAdr: 1

```
Device dependent data:
   GSD-File: SEW_6003.gsd
   Station number: 4
   Station active: 1
   TSDR: 11
   Watchdog: 1
   Watchdog Time: 1000
   Fail Save: 1
   Freeze:0
   Sync: 0
   Lock/Unlock: 2
   Group settings: 0
   Ext_User_Prm_Data:
       "External Diagnosis (only DP)": Disabled (off)
   Selected modules:
      Param + 3 PD (4+3 words), 0xF3, 0xF2 (++)
Param + 3 PD (4+3 words)
   AT %IW2414: WORD;
      AT %IX2414.0: BOOL; (* Bit 0 *)
      AT %IX2414.1: BOOL; (* Bit 1 *)
      AT %IX2414.2: BOOL; (* Bit 2 *)
      AT %IX2414.3: BOOL; (* Bit 3 *)
      AT %IX2414.4: BOOL; (* Bit 4 *)
      AT %IX2414.5: BOOL; (* Bit 5 *)
      AT %IX2414.6: BOOL; (* Bit 6 *)
      AT %IX2414.7: BOOL; (* Bit 7 *)
      AT %IX2414.8: BOOL; (* Bit 8 *)
      AT %IX2414.9: BOOL; (* Bit 9 *)
      AT %IX2414.10: BOOL; (* Bit 10 *)
      AT %IX2414.11: BOOL; (* Bit 11 *)
      AT %IX2414.12: BOOL; (* Bit 12 *)
      AT %IX2414.13: BOOL; (* Bit 13 *)
      AT %IX2414.14: BOOL; (* Bit 14 *)
      AT %IX2414.15: BOOL; (* Bit 15 *)
   AT %IW2415: WORD;
      AT %IX2415.0: BOOL; (* Bit 0 *)
      AT %IX2415.1: BOOL; (* Bit 1 *)
      AT %IX2415.2: BOOL; (* Bit 2 *)
      AT %IX2415.3: BOOL; (* Bit 3 *)
      AT %IX2415.4: BOOL; (* Bit 4 *)
      AT %IX2415.5: BOOL; (* Bit 5 *)
      AT %IX2415.6: BOOL; (* Bit 6 *)
      AT %IX2415.7: BOOL; (* Bit 7 *)
      AT %IX2415.8: BOOL; (* Bit 8 *)
      AT %IX2415.9: BOOL; (* Bit 9 *)
      AT %IX2415.10: BOOL; (* Bit 10 *)
      AT %IX2415.11: BOOL; (* Bit 11 *)
      AT %IX2415.12: BOOL; (* Bit 12 *)
      AT %IX2415.13: BOOL; (* Bit 13 *)
      AT %IX2415.14: BOOL; (* Bit 14 *)
      AT %IX2415.15: BOOL; (* Bit 15 *)
   AT %IW2416: WORD;
      AT %IX2416.0: BOOL; (* Bit 0 *)
      AT %IX2416.1: BOOL; (* Bit 1 *)
      AT %IX2416.2: BOOL; (* Bit 2 *)
      AT %IX2416.3: BOOL; (* Bit 3 *)
      AT %IX2416.4: BOOL; (* Bit 4 *)
      AT %IX2416.5: BOOL; (* Bit 5 *)
      AT %IX2416.6: BOOL; (* Bit 6 *)
      AT %IX2416.7: BOOL; (* Bit 7 *)
      AT %IX2416.8: BOOL; (* Bit 8 *)
      AT %IX2416.9: BOOL; (* Bit 9 *)
      AT %IX2416.10: BOOL; (* Bit 10 *)
      AT %IX2416.11: BOOL; (* Bit 11 *)
      AT %IX2416.12: BOOL; (* Bit 12 *)
      AT %IX2416.13: BOOL; (* Bit 13 *)
      AT %IX2416.14: BOOL; (* Bit 14 *)
      AT %IX2416.15: BOOL; (* Bit 15 *)
   AT %IW2417: WORD;
      AT %IX2417.0: BOOL; (* Bit 0 *)
      AT %IX2417.1: BOOL; (* Bit 1 *)
      AT %IX2417.2: BOOL; (* Bit 2 *)
      AT %IX2417.3: BOOL; (* Bit 3 *)
      AT %IX2417.4: BOOL; (* Bit 4 *)
      AT %IX2417.5: BOOL; (* Bit 5 *)
      AT %IX2417.6: BOOL; (* Bit 6 *)
      AT %IX2417.7: BOOL; (* Bit 7 *)
```

```
AT %IX2417.8: BOOL; (* Bit 8 *)
   AT %IX2417.9: BOOL; (* Bit 9 *)
   AT %IX2417.10: BOOL; (* Bit 10 *)
  AT %IX2417.11: BOOL; (* Bit 11 *)
   AT %IX2417.12: BOOL; (* Bit 12 *)
   AT %IX2417.13: BOOL; (* Bit 13 *)
   AT %IX2417.14: BOOL; (* Bit 14 *)
   AT %IX2417.15: BOOL; (* Bit 15 *)
AT %QW2414: WORD;
  AT %QX2414.0: BOOL; (* Bit 0 *)
   AT %QX2414.1: BOOL; (* Bit 1 *)
   AT %QX2414.2: BOOL; (* Bit 2 *)
   AT %QX2414.3: BOOL; (* Bit 3 *)
   AT %QX2414.4: BOOL; (* Bit 4 *)
   AT %QX2414.5: BOOL; (* Bit 5 *)
   AT %QX2414.6: BOOL; (* Bit 6 *)
  AT %QX2414.7: BOOL; (* Bit 7 *)
   AT %QX2414.8: BOOL; (* Bit 8 *)
   AT %QX2414.9: BOOL; (* Bit 9 *)
  AT %QX2414.10: BOOL; (* Bit 10 *)
  AT %QX2414.11: BOOL; (* Bit 11 *)
   AT %QX2414.12: BOOL; (* Bit 12 *)
   AT %QX2414.13: BOOL; (* Bit 13 *)
  AT %QX2414.14: BOOL; (* Bit 14 *)
   AT %QX2414.15: BOOL; (* Bit 15 *)
AT %QW2415: WORD;
   AT %QX2415.0: BOOL; (* Bit 0 *)
   AT %QX2415.1: BOOL; (* Bit 1 *)
   AT %QX2415.2: BOOL; (* Bit 2 *)
   AT %QX2415.3: BOOL; (* Bit 3 *)
  AT %QX2415.4: BOOL; (* Bit 4 *)
  AT %QX2415.5: BOOL; (* Bit 5 *)
   AT %QX2415.6: BOOL; (* Bit 6 *)
   AT %QX2415.7: BOOL; (* Bit 7 *)
  AT %QX2415.8: BOOL; (* Bit 8 *)
  AT %QX2415.9: BOOL; (* Bit 9 *)
   AT %QX2415.10: BOOL; (* Bit 10 *)
   AT %QX2415.11: BOOL; (* Bit 11 *)
  AT %QX2415.12: BOOL; (* Bit 12 *)
   AT %QX2415.13: BOOL; (* Bit 13 *)
   AT %QX2415.14: BOOL; (* Bit 14 *)
   AT %QX2415.15: BOOL; (* Bit 15 *)
AT %QW2416: WORD;
  AT %QX2416.0: BOOL; (* Bit 0 *)
   AT %QX2416.1: BOOL; (* Bit 1 *)
   AT %QX2416.2: BOOL; (* Bit 2 *)
  AT %QX2416.3: BOOL; (* Bit 3 *)
   AT %QX2416.4: BOOL; (* Bit 4 *)
   AT %QX2416.5: BOOL; (* Bit 5 *)
   AT %QX2416.6: BOOL; (* Bit 6 *)
  AT %QX2416.7: BOOL; (* Bit 7 *)
   AT %QX2416.8: BOOL; (* Bit 8 *)
   AT %QX2416.9: BOOL; (* Bit 9 *)
   AT %QX2416.10: BOOL; (* Bit 10 *)
  AT %QX2416.11: BOOL; (* Bit 11 *)
  AT %QX2416.12: BOOL; (* Bit 12 *)
   AT %QX2416.13: BOOL; (* Bit 13 *)
   AT %QX2416.14: BOOL; (* Bit 14 *)
   AT %QX2416.15: BOOL; (* Bit 15 *)
AT %QW2417: WORD;
   AT %QX2417.0: BOOL; (* Bit 0 *)
  AT %QX2417.1: BOOL; (* Bit 1 *)
  AT %QX2417.2: BOOL; (* Bit 2 *)
  AT %QX2417.3: BOOL; (* Bit 3 *)
   AT %QX2417.4: BOOL; (* Bit 4 *)
  AT %QX2417.5: BOOL; (* Bit 5 *)
  AT %QX2417.6: BOOL; (* Bit 6 *)
  AT %QX2417.7: BOOL; (* Bit 7 *)
   AT %QX2417.8: BOOL; (* Bit 8 *)
  AT %QX2417.9: BOOL; (* Bit 9 *)
  AT %QX2417.10: BOOL; (* Bit 10 *)
  AT %QX2417.11: BOOL; (* Bit 11 *)
   AT %QX2417.12: BOOL; (* Bit 12 *)
  AT %QX2417.13: BOOL; (* Bit 13 *)
   AT %QX2417.14: BOOL; (* Bit 14 *)
   AT %QX2417.15: BOOL; (* Bit 15 *)
AT %IW2418: WORD;
   AT %IX2418.0: BOOL; (* Bit 0 *)
```

```
AT %IX2418.1: BOOL; (* Bit 1 *)
   AT %IX2418.2: BOOL; (* Bit 2 *)
   AT %IX2418.3: BOOL; (* Bit 3 *)
   AT %IX2418.4: BOOL; (* Bit 4 *)
  AT %IX2418.5: BOOL; (* Bit 5 *)
   AT %IX2418.6: BOOL; (* Bit 6 *)
   AT %IX2418.7: BOOL; (* Bit 7 *)
  AT %IX2418.8: BOOL; (* Bit 8 *)
   AT %IX2418.9: BOOL; (* Bit 9 *)
   AT %IX2418.10: BOOL; (* Bit 10 *)
   AT %IX2418.11: BOOL; (* Bit 11 *)
  AT %IX2418.12: BOOL; (* Bit 12 *)
   AT %IX2418.13: BOOL; (* Bit 13 *)
   AT %IX2418.14: BOOL; (* Bit 14 *)
   AT %IX2418.15: BOOL; (* Bit 15 *)
AT %IW2419: WORD:
  AT %IX2419.0: BOOL; (* Bit 0 *)
   AT %IX2419.1: BOOL; (* Bit 1 *)
   AT %IX2419.2: BOOL; (* Bit 2 *)
  AT %IX2419.3: BOOL; (* Bit 3 *)
  AT %IX2419.4: BOOL; (* Bit 4 *)
   AT %IX2419.5: BOOL; (* Bit 5 *)
   AT %IX2419.6: BOOL; (* Bit 6 *)
  AT %IX2419.7: BOOL; (* Bit 7 *)
  AT %IX2419.8: BOOL; (* Bit 8 *)
   AT %IX2419.9: BOOL; (* Bit 9 *)
   AT %IX2419.10: BOOL; (* Bit 10 *)
   AT %IX2419.11: BOOL; (* Bit 11 *)
   AT %IX2419.12: BOOL; (* Bit 12 *)
   AT %IX2419.13: BOOL; (* Bit 13 *)
  AT %IX2419.14: BOOL; (* Bit 14 *)
   AT %IX2419.15: BOOL; (* Bit 15 *)
AT %IW2420: WORD;
   AT %IX2420.0: BOOL; (* Bit 0 *)
   AT %IX2420.1: BOOL; (* Bit 1 *)
   AT %IX2420.2: BOOL; (* Bit 2 *)
   AT %IX2420.3: BOOL; (* Bit 3 *)
   AT %IX2420.4: BOOL; (* Bit 4 *)
  AT %IX2420.5: BOOL; (* Bit 5 *)
  AT %IX2420.6: BOOL; (* Bit 6 *)
   AT %IX2420.7: BOOL; (* Bit 7 *)
   AT %IX2420.8: BOOL; (* Bit 8 *)
  AT %IX2420.9: BOOL; (* Bit 9 *)
   AT %IX2420.10: BOOL; (* Bit 10 *)
   AT %IX2420.11: BOOL; (* Bit 11 *)
   AT %IX2420.12: BOOL; (* Bit 12 *)
  AT %IX2420.13: BOOL; (* Bit 13 *)
   AT %IX2420.14: BOOL; (* Bit 14 *)
   AT %IX2420.15: BOOL; (* Bit 15 *)
AT %QW2418: WORD;
  AT %QX2418.0: BOOL; (* Bit 0 *)
   AT %QX2418.1: BOOL; (* Bit 1 *)
   AT %QX2418.2: BOOL; (* Bit 2 *)
   AT %QX2418.3: BOOL; (* Bit 3 *)
  AT %QX2418.4: BOOL; (* Bit 4 *)
  AT %QX2418.5: BOOL; (* Bit 5 *)
   AT %QX2418.6: BOOL; (* Bit 6 *)
   AT %QX2418.7: BOOL; (* Bit 7 *)
   AT %QX2418.8: BOOL; (* Bit 8 *)
   AT %QX2418.9: BOOL; (* Bit 9 *)
   AT %QX2418.10: BOOL; (* Bit 10 *)
  AT %QX2418.11: BOOL; (* Bit 11 *)
  AT %QX2418.12: BOOL; (* Bit 12 *)
   AT %QX2418.13: BOOL; (* Bit 13 *)
   AT %QX2418.14: BOOL; (* Bit 14 *)
  AT %QX2418.15: BOOL; (* Bit 15 *)
AT %QW2419: WORD:
  AT %QX2419.0: BOOL; (* Bit 0 *)
   AT %QX2419.1: BOOL; (* Bit 1 *)
  AT %QX2419.2: BOOL; (* Bit 2 *)
   AT %QX2419.3: BOOL; (* Bit 3 *)
  AT %QX2419.4: BOOL; (* Bit 4 *)
   AT %QX2419.5: BOOL; (* Bit 5 *)
   AT %QX2419.6: BOOL; (* Bit 6 *)
   AT %QX2419.7: BOOL; (* Bit 7 *)
   AT %QX2419.8: BOOL; (* Bit 8 *)
   AT %QX2419.9: BOOL; (* Bit 9 *)
```

AT %QX2419.10: BOOL; (* Bit 10 *)

```
AT %QX2419.11: BOOL; (* Bit 11 *)
               AT %QX2419.12: BOOL; (* Bit 12 *)
               AT %QX2419.13: BOOL; (* Bit 13 *)
              AT %QX2419.14: BOOL; (* Bit 14 *)
               AT %QX2419.15: BOOL; (* Bit 15 *)
            AT %QW2420: WORD;
               AT %QX2420.0: BOOL; (* Bit 0 *)
              AT %QX2420.1: BOOL; (* Bit 1 *)
               AT %QX2420.2: BOOL; (* Bit 2 *)
               AT %QX2420.3: BOOL; (* Bit 3 *)
               AT %QX2420.4: BOOL; (* Bit 4 *)
               AT %QX2420.5: BOOL; (* Bit 5 *)
               AT %QX2420.6: BOOL; (* Bit 6 *)
               AT %QX2420.7: BOOL; (* Bit 7 *)
              AT %QX2420.8: BOOL; (* Bit 8 *)
              AT %QX2420.9: BOOL; (* Bit 9 *)
               AT %QX2420.10: BOOL; (* Bit 10 *)
               AT %QX2420.11: BOOL; (* Bit 11 *)
               AT %QX2420.12: BOOL; (* Bit 12 *)
              AT %QX2420.13: BOOL; (* Bit 13 *)
               AT %QX2420.14: BOOL; (* Bit 14 *)
               AT %QX2420.15: BOOL; (* Bit 15 *)
Sampling Trace
  No trace loaded
Task configuration
         Task configuration
              System events
               NewTask (PRIORITY := 15, INTERVAL := T#1ms)
      PLC_PRG();
                    Read_Pos();
                    Read_Param();
                    SET_STEP();
Watch- and Recipe Manager
Workspace
Parameter Manager
0001
        Parameter-Manager
0002
Cross Reference List
Y_M3
        _global_init (22)
                                                           Global Write
Y_M2
        _global_init (18)
                                                           Global Write
Y_M1
                                                           Global Write
        _global_init (14)
X_M3
        _global_init (3)
                                                           Local Write
        WAVE_V3 (44)
                                                           Local Read
        WAVE_V3 (45)
                                                           Local Read
        WAVE_V3 (45)
                                                           Local Write
        WAVE_V3 (48)
                                                           Local Read
        WAVE_V3 (53)
                                                           Local Read
        WAVE_V3 (53)
                                                           Local Write
        WAVE_V3 (56)
                                                           Local Read
        WAVE_V3 (60)
                                                           Local Read
X_M2
        _global_init (2)
                                                           Local Write
        WAVE_V3 (23)
                                                           Local Read
        WAVE V3 (24)
                                                           Local Read
        WAVE_V3 (24)
                                                           Local Write
        WAVE_V3 (27)
                                                           Local Read
        WAVE_V3 (32)
                                                           Local Read
        WAVE_V3 (32)
                                                           Local Write
        WAVE_V3 (35)
                                                           Local Read
        WAVE_V3 (39)
                                                           Local Read
X_M1
        global_init (1)
                                                           Local Write
        WAVE_V3 (2)
                                                           Local Read
        WAVE_V3 (3)
                                                           Local Read
        WAVE_V3 (3)
                                                           Local Write
        WAVE_V3 (6)
                                                           Local Read
        WAVE_V3 (11)
                                                           Local Read
        WAVE_V3 (11)
                                                           Local Write
        WAVE_V3 (14)
                                                           Local Read
```

WAVE_V3 (20)	Local Read
top_M1	
_global_init (4)	Local Write
WAVE_V3 (2)	Local Read
WAVE_V3 (7)	Local Write
WAVE_V3 (10)	Local Read
WAVE_V3 (15)	Local Write
Word1%QW2401	
READ PARAM (6)	Local Write
_global_init (3)	Local Write
Word1%QW2401	
READ_PARAM (6)	Local Write
_global_init (3)	Local Write
Word0%QW2400	
READ_PARAM (3)	Local Write
READ_PARAM (15)	Local Write
_global_init (2)	Local Write
STEP_M1	
SET_STEP (6)	Local Write
SET_STEP (7)	Local Read
SET_STEP (8)	Local Write
SET_STEP (12)	Local Write
SET_STEP (13)	Local Read
SET_STEP (14)	Local Write
SET_STEP (14)	Local Write
SET_STEP (17)	Local Read
global init (2)	Local Write
global_init (2) Word0%QW2400	LOUI WILL
READ_PARAM (3)	Local Write
READ_PARAM (3) READ_PARAM (15)	Local Write
_global_init (2)	Local Write
	Local Write
wave_run	Global Read
PLC_PRG (3) PLC_PRG (7)	Global Read
	Global Read
PLC_PRG (11)	
PLC_PRG (16)	Global Read
_global_init (31)	Global Write
top_M3	Lacal Marita
_global_init (6)	Local Write
WAVE_V3 (44)	Local Read
WAVE_V3 (49)	Local Write
WAVE_V3 (52)	Local Read
WAVE_V3 (57)	Local Write
stepp	
STEP_TO_HIGHT (1)	Local Read
STEP_TO_HIGHTinit (3)	Local Write
CALCULATED_ACTUALS (1)	Local Write
CALCULATED_ACTUALS (2)	Local Write
CALCULATED_ACTUALS (3)	Local Write
top_M2	
_global_init (5)	Local Write
WAVE_V3 (23)	Local Read
WAVE_V3 (28)	Local Write
WAVE_V3 (31)	Local Read
WAVE_V3 (36)	Local Write
STOP	
_global_init (1)	Global Write
STEP_M3	
SET_STEP (42)	Local Write
SET_STEP (43)	Local Read
SET_STEP (44)	Local Write
SET_STEP (47)	Local Write
SET_STEP (48)	Local Read
SET_STEP (49)	Local Write
SET_STEP (52)	Local Write
SET_STEP (54)	Local Read
_global_init (6)	Local Write
STEP_M2	
SET_STEP (25)	Local Write
SET_STEP (26)	Local Read
SET_STEP (27)	Local Write
SET_STEP (31)	Local Write
SET_STEP (32)	Local Read
SET_STEP (33)	Local Write
SET_STEP (36)	Local Write
SET_STEP (38)	Local Read
_global_init (4)	Local Write
step3	

POLL_PITCH_TO_STEP_(15)				_
ROLL_PTCH_TO_STEP(15)		ROLL PITCH TO STEP (27)	Local Write	
P.C. PRG (20)				
INPUT_MODE (17) Loal Read				
ROAL_PITCH_TO_STEP_(28)				
ROLL_PTCH_TO_STEP_(14) ROLL_PTCH_TO_STEP_(14) ROLL_PTCH_TO_STEP_(14) Local Write RCL_PRG (19) RNCI_MODE (19) Local Read RNCI_MODE (19) ROLL_PTCH_TO_STEP_(13) Local Read RNCI_MODE (19) Local Read RNCI_MODE (19) Local Read RNCI_MODE (19) RNCI_MODE (19) Local Read Local Read Local Write Local Read Local Read Local Write Local Read		INPUT_MODE (17)	Local Read	
ROLL_PTCH_TO_STEP_(14) ROLL_PTCH_TO_STEP_(14) ROLL_PTCH_TO_STEP_(14) Local Write RCL_PRG (19) RNCI_MODE (19) Local Read RNCI_MODE (19) ROLL_PTCH_TO_STEP_(13) Local Read RNCI_MODE (19) Local Read RNCI_MODE (19) Local Read RNCI_MODE (19) RNCI_MODE (19) Local Read Local Read Local Write Local Read Local Read Local Write Local Read	step2			
RCL_PTCL_TO_STEP(14)	'	ROLL PITCH TO STEP (26)	Local Write	
F.C. FRG. (19)		, ,		
NPUT_MODE (16)				
STATE CALCULATED ACTUALS(1)				
CALCULATED_ACTUALS (1) CALCULATED_ACTUALS (1) CALCULATED_ACTUALS (3) COALCULATED_ACTUALS (3) COALCU		INPUT_MODE (16)	Local Read	
CALCULATED_ACTULAS (5)	st1			
CALCULATED_ACTULAS (5)		CALCULATED ACTUALS (1)	Local Read	
CALCULATED_ACTURAS(8)				
CACULATED_ACTUALS (8)				
SECTION STEP SECTION SECTION				
ROLL_PTICH_TO_STEP_(25)		CALCULATED_ACTUALS (8)	Local Read	
ROLL_PITCH_TO_STEP(13)	step1			
ROLL_PITCH_TO_STEP(13)		ROLL PITCH TO STEP (25)	Local Write	
PIC_PRG (18)				
INPUT_MODE (15)				
CALCULATED_ACTUALS (3) Local Read CALCULATED_ACTUALS (3) Local Read CALCULATED_ACTUALS (3) Local Read CALCULATED_ACTUALS (7) Local Read CALCULATED_ACTUALS (10) Local Read CALCULATED_ACTUALS (2) Local Write CALCULATED_ACTUALS (2) Local Write CALCULATED_ACTUALS (3) Local Read CALCULATED_ACTUALS (4) Local Read CALCULATED_ACTUALS (6) Local Read CALCULATED_ACTUALS (7) Local Read CALCULATED_ACTUALS (8) Local Read CALCULATED_ACTUALS (8) Local Read CALCULATED_ACTUALS (9) Local Read SET_SITEP (19) SPEED_DR M1 (3) Local Read SET_SITEP (19) Speed: global_int (6) Local Write WARE_V3 (24) Local Read WARE_V3 (32) Local Read WARE_V3 (32) Local Read WARE_V3 (32) Local Read WARE_V3 (32) Local Read WARE_V3 (31) Global Write Speed: Global_int (33) Global Read Global_write Speed: MWARE_V3 (3) Local Write WARE_V3 (3) Local Write WARE_V3 (3) Local Write NPUT_MODE (15) Local Read NPUT_MODE (15) Local Read NPUT_MODE (16) Local Read NPUT_MODE (17) Local Read NPUT_MODE (18) Local Read NPUT_MODE (19) Local Rea				
CALCULATED_ACTUALS(2)		INPUT_MODE (15)	Local Read	
CALCULATED, ACTUALS (3) CALCULATED, ACTUALS (7) CALCULATED, ACTUALS (10) 12 CALCULATED, ACTUALS (10) CALCULATED, ACTUALS (2) CALCULATED, ACTUALS (2) CALCULATED, ACTUALS (3) CALCULATED, ACTUALS (6) CALCULATED, ACTUALS (6) CALCULATED, ACTUALS (7) CALCULATED, ACTUALS (8) SPEED, CALCULATED, ACTUALS (8) SPEED, CALCULATED, ACTUALS (8) SFE STEP (19) SFT STEP (19) SSF_STEP (19) SPEED, CALCULATED, ACTUALS (8) SPEED, CALCULATED, ACTUALS, CALCULATED, ACTUALS, CALCULATED, ACTUALS, CALCULATED, ACTUALS, CALCULATED, ACTUALS, CALCUL	st3			
CALCULATED, ACTUALS (3) CALCULATED, ACTUALS (7) CALCULATED, ACTUALS (10) 12 CALCULATED, ACTUALS (10) CALCULATED, ACTUALS (2) CALCULATED, ACTUALS (2) CALCULATED, ACTUALS (3) CALCULATED, ACTUALS (6) CALCULATED, ACTUALS (6) CALCULATED, ACTUALS (7) CALCULATED, ACTUALS (8) SPEED, CALCULATED, ACTUALS (8) SPEED, CALCULATED, ACTUALS (8) SFE STEP (19) SFT STEP (19) SSF_STEP (19) SPEED, CALCULATED, ACTUALS (8) SPEED, CALCULATED, ACTUALS, CALCULATED, ACTUALS, CALCULATED, ACTUALS, CALCULATED, ACTUALS, CALCULATED, ACTUALS, CALCUL		CALCULATED_ACTUALS (3)	Local Read	
CALCULATED_ACTUALS (7) Local Read st2 CALCULATED_ACTUALS(2) Local Read cALCULATED_ACTUALS(2) Local Read CALCULATED_ACTUALS (2) Local Read CALCULATED_ACTUALS (3) Local Read CALCULATED_ACTUALS (6) Local Read CALCULATED_ACTUALS (7) Local Read CALCULATED_ACTUALS (8) Local Read CALCULATED_ACTUALS (9) Local Read SPEED_DIR MI (3) Local Write Speed2 Speed2 Speed3 Speed3 Speed3 SMULATION_UPP INPUT_MODE (9) _global_init (7) Local Write _global_init (7) Local Write MAVE_V3 (3) Local Read WAVE_V3 (4) Local Read WAVE_V3		CALCULATED ACTUALS (3)	Local Write	
### CALCULATED_ACTUALS (10)				
CALCULATED ACTUALS(2) Local Read CALCULATED ACTUALS (2) Local Read CALCULATED ACTUALS (3) Local Read CALCULATED ACTUALS (6) Local Read SPEED_DIR MI (3) Local Read SET_STEP (19) Local Write WAVE V3 (24) Local Read WAVE V3 (25) Local Read WAVE V3 (27) Local Read WAVE V3 (28) Local Read WAVE V3 (29) Local Read WAVE V3 (30) Global Write WAVE V3 (31) Local Read WAVE				
CALCULATED ACTUALS (2) Local Write CALCULATED ACTUALS (6) Local Read SPEED DIR M (3) Local Read SET_STEP (19) Local Write Speed2 Jobal, int (8) Local Write WWE_V3 (24) Local Read WWE_V3 (24) Local Read WWE_V3 (25) Local Read WWE_V3 (26) Local Read WWE_V3 (27) Local Read WWE_V3 (27) Local Read WWE_V3 (28) Local Read WWE_V3 (29) Local Read Speed3 Jobal, int (7) Local Write WWE_V3 (21) Local Write WWE_V3 (21) Local Read WWE_V3 (21) Local Write NPUT_MODE (16) Local Read WWITE NPUT_MODE (17) Local Read WWITE MWE_V3 (21) Local Write NPUT_MODE (17) Local Read WWITE NPUT_MODE (17) Local Read WW	-10	OUFOOFULFD VOLONES (10)	Localingau	
CALCULATED.ACTUALS (2) Local Read CALCULATED.ACTUALS (6) Local Read SPEED_DIR MI (3) Local Read SFEED_DIR MI (3) Local Write WAME V3 (24) Local Read WAME V3 (25) Local Read WAME V3 (27) Local Read WAME V3 (28) Local Read WAME V3 (28) Local Read WAME V3 (28) Local Read WAME V3 (29) Local Read WAME V3 (30) Global Write WAME V3 (31) Local Read WAMI V4 (51) Local Read	st2			
CALCULATED_ACTUALS (6)		CALCULATED_ACTUALS (2)	Local Read	
CALCULATED_ACTUALS (6)		CALCULATED_ACTUALS (2)	Local Write	
CALCULATED_ACTUALS (9) SPEED_DIR SPEED_DIR M1 (3) SET_STEP (19) Local Write Speed2				
SPEED_DIR				
M1 (3)	CDEED		Local Road	
SET_STEP (19) Local Write	SPEED			
Speed2				
global_init (8)		SET_STEP (19)	Local Write	
global_init (8)	Speed2			
WAVE_V3 (24)	'		Local Write	
WAVE_V3 (32)				
SIMULATION_UPP		- , ,		
INPUT_MODE (9)			Local Read	
global_init (33) Global Write	SIMUL	ATION_UDP		
global_init (33) Global Write		INPUT_MODE (9)	Global Read	
global_init (7)			Global Write	
global_init (7)	Speed1			
WAVE_V3 (3)	Speed		Local Write	
RPTS				
RPTS		WAVE_V3 (3)		
INPUT_MODE (13)		WAVE_V3 (11)	Local Read	
INPUT_MODE (13)	RPTS			
INPUT_MODE (15)		INPLIT MODE (13)	Local Write	
INPUT_MODE (16)				
INPUT_MODE (17)				
global_init (7)				
INPUT_MODE (4)		INPUT_MODE (17)	Local Read	
INPUT_MODE (4)		_global_init (7)	Local Read	
INPUT_MODE (4)	roll nev	V		
INPUT_MODE (7)	-		Local Write	
global_init (12)				
SPEED_DIR M2 (3)				
M2 (3)	0555		LOCAL VYTIC	
SET_STEP (38) Local Write roll_actual%MW3 _global_init (5) READ_POS (18) Local Write Speed MANUAL (12) Local Read MANUAL (17) Local Read MANUAL (22) Local Read MANUAL (27) Local Read MANUAL (32) Local Read MANUAL (37) Local Read MANUAL (42) Local Read MANUAL (43) Local Read MANUAL (44) Local Read MANUAL (50) Local Read MANUAL (51) Local Read MANUAL (51) Local Read Jejobal_init (1) Local Read MANUAL (51) Local Read MANUAL (51) Local Read MANUAL (51) Local Read Jejobal_init (1) Local Write rVersion _global_init (71) Global Write Read_value1% iW2401 _READ_PARAM (9) Local Read	SPEED			
roll_actual%MW3 global_init (5)				
roll_actual%MW3 global_init (5)		SET_STEP (38)	Local Write	
global_init (5)	roll act			
READ_POS (18) Local Write Speed MANUAL (12) Local Read MANUAL (17) Local Read MANUAL (22) Local Read MANUAL (27) Local Read MANUAL (32) Local Read MANUAL (37) Local Read MANUAL (42) Local Read MANUAL (43) Local Read MANUAL (44) Local Read MANUAL (49) Local Read MANUAL (50) Local Read MANUAL (51) Local Read MANUAL (51) Local Read MANUAL (51) Global Write rVersion Global Write Read_value1%IW2401 READ_PARAM (9)			Local Write	
MANUAL (12)				
MANUAL (12)		NEAD_FOO (10)	LOCAL WILLE	
MANUAL (17) Local Read MANUAL (22) Local Read MANUAL (27) Local Read MANUAL (32) Local Read MANUAL (37) Local Read MANUAL (42) Local Read MANUAL (43) Local Read MANUAL (44) Local Read MANUAL (50) Local Read MANUAL (51) Local Read _global_init (1) Local Write rVersion _global_init (71) Global Write Read_value1%IW2401 READ_PARAM (9) Local Read	Speed			
MANUAL (22) Local Read MANUAL (27) Local Read MANUAL (32) Local Read MANUAL (37) Local Read MANUAL (42) Local Read MANUAL (43) Local Read MANUAL (44) Local Read MANUAL (50) Local Read MANUAL (51) Local Read _global_init (1) Local Write rVersion _global_init (71) Read_value1%IW2401		MANUAL (12)		
MANUAL (22) Local Read MANUAL (27) Local Read MANUAL (32) Local Read MANUAL (37) Local Read MANUAL (42) Local Read MANUAL (43) Local Read MANUAL (44) Local Read MANUAL (49) Local Read MANUAL (50) Local Read MANUAL (51) Local Read _global_init (1) Local Write rVersion _global_init (71) Read_value1%IW2401		MANUAL (17)	Local Read	
MANUAL (27)		` '	Local Read	
MANUAL (32) Local Read MANUAL (37) Local Read MANUAL (42) Local Read MANUAL (43) Local Read MANUAL (44) Local Read MANUAL (50) Local Read MANUAL (51) Local Read _global_init (1) Local Write rVersion Global Write Read_value1%IW2401 READ_PARAM (9)				
MANUAL (37) Local Read MANUAL (42) Local Read MANUAL (43) Local Read MANUAL (44) Local Read MANUAL (50) Local Read MANUAL (51) Local Read _global_init (1) Local Write rVersion _global_init (71) Global Write Read_value1%IW2401 _READ_PARAM (9) Local Read				
MANUAL (42) Local Read MANUAL (43) Local Read MANUAL (44) Local Read MANUAL (49) Local Read MANUAL (50) Local Read MANUAL (51) Local Read _global_init (1) Local Write rVersion Global Write Read_value1%IW2401 READ_PARAM (9) Local Read				
MANUAL (43) Local Read MANUAL (44) Local Read MANUAL (49) Local Read MANUAL (50) Local Read MANUAL (51) Local Read _global_init (1) Local Write rVersion _global_init (71) _global_init (71) Global Write Read_value1%IW2401		` '		
MANUAL (44) Local Read MANUAL (49) Local Read MANUAL (50) Local Read MANUAL (51) Local Read _global_init (1) Local Write rVersion Global Write Read_value1%IW2401 READ_PARAM (9) Local Read		, ,		
MANUAL (44) Local Read MANUAL (49) Local Read MANUAL (50) Local Read MANUAL (51) Local Read _global_init (1) Local Write rVersion Global Write Read_value1%IW2401 READ_PARAM (9) Local Read		MANUAL (43)	Local Read	
MANUAL (49) Local Read MANUAL (50) Local Read MANUAL (51) Local Read _global_init (1) Local Write rVersion Global Write Read_value1%IW2401 READ_PARAM (9) Local Read			Local Read	
MANUAL (50)				
MANUAL (51) Local Readglobal_init (1) Local Write rVersionglobal_init (71) Global Write Read_value1%IW2401READ_PARAM (9) Local Read		` '		
global_init (1)		, ,		
rVersionglobal_init (71) Global Write Read_value1%IW2401 READ_PARAM (9) Local Read				
global_init (71) Global Write Read_value1%IW2401 READ_PARAM (9) Local Read		_global_init (1)	Local Write	
global_init (71) Global Write Read_value1%IW2401 READ_PARAM (9) Local Read	rVersion	1		
Read_value1%IW2401 READ_PARAM (9) Local Read			Global Write	
READ_PARAM (9) Local Read	Read ,			
	\cau_\		Local Bood	
KEAD_PARAM (11) Local Read				
		KEAD_PAKAM (11)	Local Read	
				J

Read_value0%IW2400	
READ_PARAM (8)	Local Read
READ_PARAM (11)	Local Read
Read_par	
READ_PARAM (1)	Local Read
_global_init (8)	Local Write
min_angle	
global_init (8)	Global Write
SPEED_DIR	
M3 (3)	Local Read
SET_STEP (54)	Local Write
mid_length1	2000. **********************************
ROLL_PITCH_TO_STEP (16)	Local Write
ROLL_PITCH_TO_STEP (19)	Local Read
ROLL_PITCH_TO_STEP (20)	Local Read
ROLL_PITCH_TO_STEP (3)	Local Write
step	Local Weite
HIGHT_TO_STEP (12)	Local Write
HIGHT_TO_STEPinit (7)	Local Write
ROLL_PITCH_TO_STEP (25)	Local Read
ROLL_PITCH_TO_STEP (26)	Local Read
ROLL_PITCH_TO_STEP (27)	Local Read
WAVE_V3 (65)	Local Read
WAVE_V3 (66)	Local Read
WAVE_V3 (67)	Local Read
sim_roll	
INPUT_MODE (10)	Local Read
_global_init (3)	Local Write
sim_pitch	
INPUT_MODE (11)	Local Read
_global_init (4)	Local Write
Speed3	2000. **********************************
_global_init (9)	Local Write
global_niii (0) WAVE_V3 (45)	Local Read
WAVE_V3 (53)	Local Read
	Local Read
set_p3	L and Marks
ROLL_PITCH_TO_STEP (20)	Local Write
ROLL_PITCH_TO_STEP (24)	Local Read
ROLL_PITCH_TO_STEP (10)	Local Write
set_p2	
ROLL_PITCH_TO_STEP (19)	Local Write
ROLL_PITCH_TO_STEP (23)	Local Read
ROLL_PITCH_TO_STEP (9)	Local Write
SET_M2	
_global_init (3)	Local Write
roll_old	
INPUT_MODE (7)	Local Read
INPUT_MODE (19)	Local Write
_global_init (10)	Local Write
roll_new_int	
INPUT_MODE (1)	Local Write
INPUT_MODE (4)	Local Read
_global_init (14)	Local Write
	LOGAL TITRO
rpts	Local Write
PLC_PRG (17)	
PLC_PRG (18)	Local Read
PLC_PRG (19)	Local Read
PLC_PRG (20)	Local Read
_global_init (1)	Local Read
pitch_real	
_global_init (8)	Local Write
SET_M1	
_global_init (1)	Local Write
pitch	
_global_init (27)	Global Write
roll_real	
global_init (9)	Local Write
roll	
_global_init (28)	Global Write
Par_nr	
READ_PARAM (5)	Local Write
READ_PARAM (6)	Local Read
_global_init (9)	Local Write
global_iriit (9) roll_angle	LOGAL TITRO
= -	Local Read
ROLL_PITCH_TO_STEP (1)	
ROLL_PITCH_TO_STEP (2)	Local Write
ROLL_PITCH_TO_STEP (3)	Local Read
ROLL_PITCH_TO_STEP (4)	Local Write

ROLL_PITCH_TO_STEP (18)	Local Read
ROLL_PITCH_TO_STEP (11)	Local Write
PLC_PRG (17)	Local Write
INPUT_MODE (13) roll_actual%MW3	Local Write
_global_init (5)	Local Write
READ_POS (18)	Local Write
PR	2008.11110
_global_init (8)	Local Write
READ_POS (16)	Local Write
READ_POS (18)	Local Read
p2_step	
PLC_PRG (19)	Global Write
INPUT_MODE (16) MANUAL (3)	Global Write Global Read
MANUAL (3)	Global Write
MANUAL (7)	Global Read
MANUAL (7)	Global Write
MANUAL (22)	Global Read
MANUAL (22)	Global Write
MANUAL (27)	Global Read
MANUAL (27)	Global Write
MANUAL (43)	Global Read
MANUAL (43)	Global Write
MANUAL (50) MANUAL (50)	Global Read Global Write
SET_STEP (23)	Global Read
SET_STEP (25)	Global Read
SET_STEP (30)	Global Read
SET_STEP (31)	Global Read
_global_init (25)	Global Write
WAVE_V3 (66)	Global Write
Read_par	L IVM-it-
_global_init (2)	Local Write
p1_step PLC_PRG (18)	Global Write
INPUT_MODE (15)	Global Write
MANUAL (2)	Global Read
MANUAL (2)	Global Write
MANUAL (6)	Global Read
MANUAL (6)	Global Write
MANUAL (12)	Global Read
MANUAL (12) MANUAL (17)	Global Write Global Read
MANUAL (17) MANUAL (17)	Global Write
MANUAL (42)	Global Read
MANUAL (42)	Global Write
MANUAL (49)	Global Read
MANUAL (49)	Global Write
SET_STEP (4)	Global Read
SET_STEP (6)	Global Read
SET_STEP (11) SET_STEP (12)	Global Read Global Read
_global_init (24)	Global Write
global_init (24) WAVE_V3 (65)	Global Write
P0_2_M3%QW2419	
M3 (2)	Local Write
M3 (3)	Local Write
pitch_angle	Local Pond
ROLL_PITCH_TO_STEP (7) ROLL_PITCH_TO_STEP (8)	Local Read Local Write
ROLL_PITCH_TO_STEP (9)	Local Read
ROLL_PITCH_TO_STEP (10)	Local Write
ROLL_PITCH_TO_STEP (13)	Local Read
ROLL_PITCH_TO_STEP (12)	Local Write
PLC_PRG (17)	Local Write
INPUT_MODE (13)	Local Write
P0_2_M2%QW2412	Local Write
M2 (2) M2 (3)	Local Write
set_p1	2000
ROLL_PITCH_TO_STEP (15)	Local Write
ROLL_PITCH_TO_STEP (22)	Local Read
ROLL_PITCH_TO_STEP (8)	Local Write
Read_value1%IW2401	LevelDood
READ_PARAM (9) READ_PARAM (11)	Local Read Local Read
READ_PARAM (11) Read_value0%IW2400	Local Nead

READ_PARAM (8)	Local Read
READ_PARAM (11)	Local Read
pitch_old	
INPUT_MODE (8)	Local Read
INPUT_MODE (20)	Local Write
_global_init (11)	Local Write
pitch_new_int	
INPUT_MODE (2)	Local Write
INPUT_MODE (5)	Local Read
_global_init (15)	Local Write
SET_M3	
_global_init (5)	Local Write
pitch_new	
INPUT_MODE (5)	Local Write
INPUT_MODE (8)	Local Read
_global_init (13)	Local Write
pitch_actual%MW2	
_global_init (6)	Local Write
READ_POS (19)	Local Write
PA	
_global_init (7)	Local Write
READ_POS (14)	Local Write
READ_POS (19)	Local Read
pitch_actual%MW2	Local Weita
_global_init (6)	Local Write
READ_POS (19)	Local Write
P0_2_M3%QW2419	Local Write
M3 (2) M3 (3)	Local Write
M3 (3) P0_2_M2%QW2412	LOCAL VYTING
M2 (2)	Local Write
M2 (3)	Local Write
p3_step	Local White
PLC_PRG (20)	Global Write
INPUT_MODE (17)	Global Write
MANUAL (4)	Global Read
MANUAL (4)	Global Write
MANUAL (8)	Global Read
MANUAL (8)	Global Write
MANUAL (32)	Global Read
MANUAL (32)	Global Write
MANUAL (37)	Global Read
MANUAL (37)	Global Write
MANUAL (44)	Global Read
MANUAL (44)	Global Write
MANUAL (51)	Global Read
MANUAL (51)	Global Write
SET_STEP (41)	Global Read
SET_STEP (42)	Global Read
SET_STEP (46)	Global Read
SET_STEP (47)	Global Read Global Write
_global_init (26) WAVE_V3 (67)	Global Write
WAVE_V3 (67) P0_2_M1%QW2405	GIODGI TTIILG
M1 (2)	Local Write
M1 (2) M1 (3)	Local Write
P0_1_M3%QW2418	
M3 (1)	Local Write
M3 (2)	Local Write
P0_1_M2%QW2411	
M2 (1)	Local Write
M2 (2)	Local Write
P0_1_M1%QW2404	
M1 (1)	Local Write
M1 (2)	Local Write
Out_put1	
READ_PARAM (9)	Local Write
_global_init (5)	Local Write
mid_length	
ROLL_PITCH_TO_STEP (15)	Global Read
ROLL_PITCH_TO_STEP (16)	Global Read
_global_init (7)	Global Write
max_roll	Clobal Board
ROLL_PITCH_TO_STEP (1)	Global Read
ROLL_PITCH_TO_STEP (2) _global_init (10)	Global Read Global Write
global_init (10) max_pitch	Olobal AATIIC
ROLL_PITCH_TO_STEP (7)	Global Read

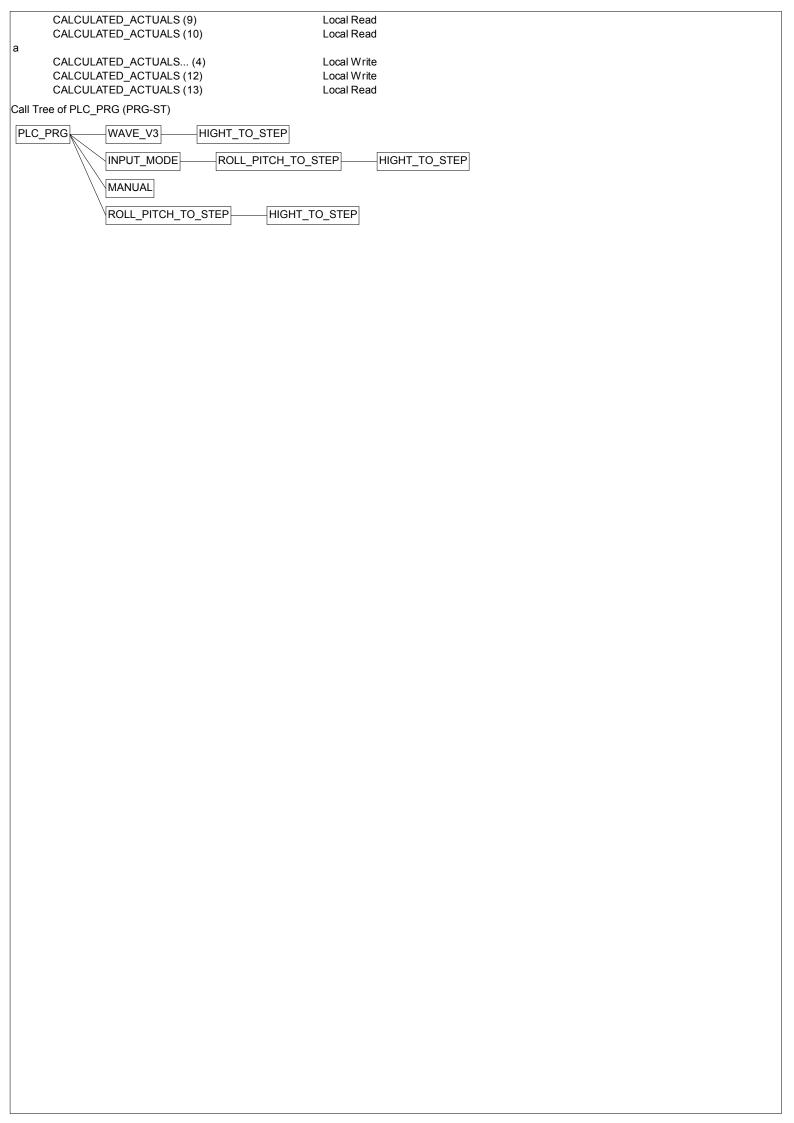
	ROLL_PITCH_TO_STEP (8)	Global Read
manual	_global_init (12) run	Global Write
	PLC_PRG (3)	Global Read
	PLC_PRG (7) PLC_PRG (11)	Global Read Global Read
	PLC_PRG (16)	Global Read
P0 2 M	_global_init (30) 11%QW2405	Global Write
0	M1 (2)	Local Write
Manage	M1 (3)	Local Write
Wanage	READ_PARAM (2)	Local Write
1	READ_PARAM (3) READ_PARAM (14)	Local Read Local Write
	READ_PARAM (15)	Local Read
DO 1 M	_global_init (1) 13%QW2418	Local Write
FU_1_IV	M3 (1)	Local Write
min roll	M3 (2)	Local Write
min_roll	ROLL_PITCH_TO_STEP (3)	Global Read
	ROLL_PITCH_TO_STEP (4)	Global Read
Out_put	_global_init (11) 0	Global Write
	READ_PARAM (8)	Local Write
max_an	_global_init (4) gle	Local Write
M3 Co	_global_init (9) nt_inhibit%QX2418.8	Global Write
IVI3_COI	M3 (5)	Global Write
M3 AN	_global_init (20)	Global Write
-	_global_init (23)	Global Write
M2_AN	WAVE_V3 (70) GLF	Global Write
_	_global_init (19)	Global Write
 Manual	WAVE_V3 (69) speed	Global Write
	_global_init (11)	Global Write
M1_AN	_global_init (15)	Global Write
M3	WAVE_V3 (68)	Global Write
IVIO	M3 (3)	Local Write
	M3 (0) SET_STEP (54)	Local Read Local Read
16		
	ROLL_PITCH_TO_STEP (15) _global_init (6)	Global Read Global Write
P0_1_M	12%QW2411	
	M2 (1) M2 (2)	Local Write Local Write
14		
	CALCULATED_ACTUALS (16) _global_init (4)	Global Read Global Write
Out	_global_init (6)	Local Write
min_pito	ch c	
	ROLL_PITCH_TO_STEP (9) ROLL_PITCH_TO_STEP (10)	Global Read Global Read
	_global_init (13)	Global Write
M3_Cor	nt_inhibit%QX2418.8 M3 (5)	Global Write
	_global_init (20)	Global Write
M2_Cor	nt_inhibit%QX2411.8 M2 (5)	Global Write
	_global_init (16)	Global Write
M2_Cor	nt_inhibit%QX2411.8 M2 (5)	Global Write
	_global_init (16)	Global Write
LOGG	_global_init (34)	Global Write
13		
	ROLL_PITCH_TO_STEP (18) CALCULATED_ACTUALS (13)	Global Read Global Read
Ma	_global_init (3)	Global Write
M2		

	M2 (3)	Local Write
	M2 (0)	Local Read
	SET_STEP (38)	Local Read
12		
	HIGHT_TO_STEP (9)	Global Read
	STEP_TO_HIGHT (4)	Global Read
	_global_init (2)	Global Write
P0_1_N	/1%QW2404	
	M1 (1)	Local Write
	M1 (2)	Local Write
M1_Co	nt_inhibit%QX2404.8	
	M1 (5)	Global Write
	_global_init (12)	Global Write
M1_Co	nt_inhibit%QX2404.8	
	M1 (5)	Global Write
	_global_init (12)	Global Write
JOGP3		
	MANUAL (31)	Global Read
	_global_init (7)	Global Write
11		
	HIGHT_TO_STEP (9)	Global Read
	HIGHT_TO_STEP (10)	Global Read
	STEP_TO_HIGHT (4)	Global Read
100=	_global_init (1)	Global Write
JOGP2	MANUAL (Q4)	
	MANUAL (21)	Global Read
100:1	_global_init (5)	Global Write
JOGM2		
	MANUAL (26)	Global Read
N44	_global_init (4)	Global Write
M1	M4 (2)	Local Marko
	M1 (3)	Local Write
	M1 (0)	Local Read
	SET_STEP (19)	Local Read
INPUT_	roll_real	1 114/ 5
	INPUT_MODE (7)	Local Write
	INPUT_MODE (10)	Local Write
	INPUT_MODE (13)	Local Read
	INPUT_MODE (19)	Local Read
ļ	_global_init (5)	Local Write
length		
	HIGHT_TO_STEP (1)	Local Read
	HIGHT_TO_STEPinit (5)	Local Write
	ROLL_PITCH_TO_STEP (22)	Local Write
	ROLL_PITCH_TO_STEP (23)	Local Write
	ROLL_PITCH_TO_STEP (24)	Local Write
	WAVE_V3 (20)	Local Write
	WAVE_V3 (39)	Local Write
IOCD1	WAVE_V3 (60)	Local Write
JOGP1	MANUAL (11)	Global Read
	MANUAL (11)	Global Write
15	_global_init (3)	CIODAI YYTIC
ان	ROLL_PITCH_TO_STEP (16)	Global Read
	_global_init (5)	Global Write
JOGM3		Olobal Wille
JUGINIS	MANUAL (36)	Global Read
	_global_init (6)	Global Write
JOGM1	_9\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	GIODAI TITILO
JUGIVI I	MANUAL (16)	Global Read
	_global_init (2)	Global Write
input_ru		Olobal Wille
"iput_it	PLC_PRG (3)	Global Read
	PLC_PRG (7)	Global Read
	PLC_PRG (11)	Global Read
	PLC_PRG (16)	Global Read
	_global_init (32)	Global Write
Input F	_global_init (32) coll%MW1	GIODAI TITILO
pat_i	INPUT_MODE (1)	Local Read
	_global_init (1)	Local Write
Input R	_global_init(1) coll%MW1	
pat_i	INPUT_MODE (1)	Local Read
	_global_init (1)	Local Write
Input P	_global_init (1) itch%MW0	
pat_1	INPUT_MODE (2)	Local Read
	_global_init (2)	Local Write
In data	_968IW2420	
	READ_POS (10)	Local Read
	\	

In_data_6%IW2420	
READ_POS (10)	Local Read
In_data_5%IW2419	Local Dood
READ_POS (10) In_data_5%IW2419	Local Read
READ_POS (10)	Local Read
INPUT_pitch_real	Local Noda
INPUT_MODE (8)	Local Write
INPUT_MODE (11)	Local Write
INPUT_MODE (13)	Local Read
INPUT_MODE (20)	Local Read
_global_init (6)	Local Write
In_data_4%IW2413	
READ_POS (6)	Local Read
In_data_4%IW2413	Level Dead
READ_POS (6) In_data_3%IW2412	Local Read
READ_POS (6)	Local Read
In_data_3%IW2412	Local Nead
READ_POS (6)	Local Read
In_data_2%IW2406	2004.11004
READ_POS (2)	Local Read
In_data_2%IW2406	
READ_POS (2)	Local Read
Input_Pitch%MW0	
INPUT_MODE (2)	Local Read
_global_init (2)	Local Write
In_data_1%IW2405	Local Boad
READ_POS (2) In_data_1%IW2405	Local Read
READ_POS (2)	Local Read
HTS3	200411000
ROLL_PITCH_TO_STEP (24)	Local Write
ROLL_PITCH_TO_STEP (27)	Local Read
ROLL_PITCH_TO_STEP (7)	Local Read
HTS3	
_global_init (12)	Local Read
WAVE_V3 (60)	Local Write
WAVE_V3 (67)	Local Read
WAVE_V3 (70) HTS2	Local Read
ROLL_PITCH_TO_STEP (23)	Local Write
ROLL_PITCH_TO_STEP (26)	Local Read
ROLL_PITCH_TO_STEP (6)	Local Read
HTS2	
_global_init (11)	Local Read
WAVE_V3 (39)	Local Write
WAVE_V3 (66)	Local Read
WAVE_V3 (69)	Local Read
HTS1 ROLL_PITCH_TO_STEP (22)	Local Write
ROLL_PITCH_TO_STEP (25)	Local Read
ROLL_PITCH_TO_STEP (5)	Local Read
HTS1	
_global_init (10)	Local Read
WAVE_V3 (20)	Local Write
WAVE_V3 (65)	Local Read
WAVE_V3 (68)	Local Read
h HIGHT TO STEP (1)	Local Weita
HIGHT_TO_STEP (1)	Local Write
HIGHT_TO_STEP (2) HIGHT_TO_STEP (3)	Local Read Local Write
HIGHT_TO_STEP (5)	Local Read
HIGHT_TO_STEP (6)	Local Write
HIGHT_TO_STEP (9)	Local Read
HIGHT_TO_STEP (10)	Local Read
HIGHT_TO_STEPinit (4)	Local Write
GO_UP	
MANUAL (41)	Global Read
_global_init (8)	Global Write
GO_DOWN	Global Read
MANUAL (48) _global_init (9)	Global Write
_global_lille (3)	
STEP_TO_HIGHT (4)	Local Write
STEP_TO_HIGHTinit (4)	Local Write
CALCULATED_ACTUALS (5)	Local Read
CALCULATED_ACTUALS (6)	Local Read

CALCULATED_ACTUALS (7)	Local Read
DOUT2%QX2300.1	Global Write
_global_init (35) _global_init (36)	Global Write
_global_iiii (36) DOUT1%QX2300.0	Global Wille
_global_init (34)	Global Write
_global_init (35)	Global Write
DOUT1%QX2300.0	
_global_init (34)	Global Write
_global_init (35)	Global Write
GO_HOME _global_init (10)	Global Write
ENABLE	Giobai Wille
M1 (1)	Global Read
M2 (1)	Global Read
M3 (1)	Global Read
_global_init (29)	Global Write
DOUT2%QX2300.1	Olaha I Wasia
_global_init (35) _global_init (36)	Global Write Global Write
global_init (30) Data_in_m2_temp	Giobai Wille
global init (2)	Local Write
READ_POS (6)	Local Write
READ_POS (7)	Local Read
Data_Out	
READ_PARAM (11)	Local Write
_global_init (7) data_in_m3_temp	Local Write
global_init (3)	Local Write
READ_POS (10)	Local Write
READ_POS (11)	Local Read
DATA_IN_M3	
SET_STEP (41)	Global Read
SET_STEP (42)	Global Read
SET_STEP (46) SET_STEP (47)	Global Read Global Read
CALCULATED_ACTUALS (3)	Global Read
_global_init (21)	Global Write
READ_POS (11)	Global Write
DATA_IN_M2	
SET_STEP (23)	Global Read
SET_STEP (25)	Global Read
SET_STEP (30)	Global Read Global Read
SET_STEP (31) CALCULATED_ACTUALS (2)	Global Read
_global_init (17)	Global Write
READ_POS (7)	Global Write
DATA_IN_M1	
SET_STEP (4)	Global Read
SET_STEP (6)	Global Read
SET_STEP (11) SET_STEP (12)	Global Read Global Read
CALCULATED_ACTUALS (1)	Global Read
_global_init (13)	Global Write
READ_POS (3)	Global Write
Data_in_m1_temp	
_global_init (1)	Local Write
READ_POS (2) READ_POS (3)	Local Write Local Read
READ_POS (3)	Local Nodu
CALCULATED_ACTUALS (7)	Local Write
CALCULATED_ACTUALS (16)	Local Write
CALCULATED_ACTUALS (17)	Local Read
CA	
_global_init (4)	Local Read
READ_POS (12) READ_POS (14)	Local Read Local Read
READ_POS (14) READ_POS (16)	Local Read Local Read
c	
HIGHT_TO_STEPinit (3)	Local Write
b	
HIGHT_TO_STEP (10)	Local Write
HIGHT_TO_STEP (11) HIGHT_TO_STEPinit (1)	Local Read Local Write
hight_to_stephit(t)	LUCAI VVIIIC
ROLL_PITCH_TO_STEP (13)	Local Write
ROLL_PITCH_TO_STEP (15)	Local Read
ROLL_PITCH_TO_STEP (16)	Local Read

	ROLL_PITCH_TO_STEP (2)	Local Write
С	ROLL_PITCH_TO_STEP (4)	Local Write
С	CALCULATED_ACTUALS (6)	Local Write
	CALCULATED_ACTUALS (15)	Local Write
b	CALCULATED_ACTUALS (16)	Local Read
	STEP_TO_HIGHT (1) STEP_TO_HIGHT (2)	Local Write Local Read
	STEP_TO_HIGHT (2) STEP_TO_HIGHTinit (1)	Local Write
am	ROLL_PITCH_TO_STEP (13)	Global Read
	ROLL_PITCH_TO_STEP (18)	Global Read
	STEP_TO_HIGHT (3) CALCULATED_ACTUALS (14)	Global Read Global Read
	CALCULATED_ACTUALS (17)	Global Read
a_roll	_global_init (14)	Global Write
	CALCULATED_ACTUALS (14) CALCULATED_ACTUALS (14)	Local Write Local Write
	READ_POS (16)	Local Read
a_pitch	CALCULATED_ACTUALS (15)	Local Write
	CALCULATED_ACTUALS (17)	Local Write
angle	READ_POS (14)	Local Read
	HIGHT_TO_STEP (11) HIGHT_TO_STEP (12)	Local Write Local Read
	HIGHT_TO_STEPinit (6)	Local Write
	WAVE_V3 (68) WAVE_V3 (69)	Local Read Local Read
	WAVE_V3 (70)	Local Read
a_hight	2 CALCULATED_ACTUALS (9)	Local Write
	CALCULATED_ACTUALS (6) CALCULATED_ACTUALS (12)	Local Write Local Read
	CALCULATED_ACTUALS (12)	Local Read
a1	STEP TO HIGHT (3)	Local Write
	STEP_TO_HIGHT (4)	Local Read
b	STEP_TO_HIGHTinit (2)	Local Write
	CALCULATED_ACTUALS (5) CALCULATED_ACTUALS (13)	Local Write Local Write
	CALCULATED_ACTUALS (14)	Local Read
a_hight	3 CALCULATED ACTUALS (10)	Local Write
	CALCULATED_ACTUALS (7)	Local Write
	CALCULATED_ACTUALS (12) CALCULATED_ACTUALS (15)	Local Read Local Read
a_angle	e3 CALCULATED_ACTUALS (13)	Local Write
	CALCULATED_ACTUALS (10)	Local Write
a_hight	1 CALCULATED_ACTUALS (8)	Local Write
	CALCULATED_ACTUALS (5)	Local Write
a_angle	CALCULATED_ACTUALS (16) 22	Local Read
	CALCULATED_ACTUALS (12) CALCULATED_ACTUALS (9)	Local Write Local Write
a_angle	21	
	CALCULATED_ACTUALS (11) CALCULATED_ACTUALS (8)	Local Write Local Write
а		
	HIGHT_TO_STEP (9) HIGHT_TO_STEP (11)	Local Write Local Read
а	HIGHT_TO_STEPinit (2)	Local Write
	ROLL_PITCH_TO_STEP (18)	Local Write
	ROLL_PITCH_TO_STEP (19) ROLL_PITCH_TO_STEP (20)	Local Read Local Read
	ROLL_PITCH_TO_STEP (1)	Local Write
а	STEP_TO_HIGHT (2)	Local Write
	STEP_TO_HIGHT (3) STEP_TO_HIGHTinit (5)	Local Read Local Write
	CALCULATED_ACTUALS (8)	Local Read



	Page
Project information	Α
CALCULATED_ACTUALS (FB-ST)	1
HIGHT_TO_STEP (FB-ST)	2
ROLL_PITCH_TO_STEP (FB-ST)	2
STEP_TO_HIGHT (FB-ST)	3
INPUT_MODE (PRG-ST)	3
MANUAL (PRG-ST)	4
WAVE_V3 (PRG-ST)	5
Read_Param (PRG-ST)	6
Read_Pos (PRG-ST)	6
M1 (FUN-ST)	7
M2 (FUN-ST)	7
M3 (FUN-ST)	7
PLC_PRG (PRG-ST)	7
SET_STEP (PRG-ST)	8
Graph	9
HOME	10
Manual_mode	10
UDP	11
Wave_mode	11
Global_Variables	11
Variable_Configuration	12
Globale_Variablen	12
CAM Data	12
CAM Data	13
CNC Data	13
Drive Configuration Data	13
Global Variables 0	13
Globale_Variablen	13
Version	13
Alarm configuration	13
PLC Configuration	13
Sampling Trace	25
Task configuration	25
Watch- and Recipe Manager	25
Workspace	25
Parameter Manager	25
Cross Reference List	25
Call Tree of PLC_PRG (PRG-ST)	36