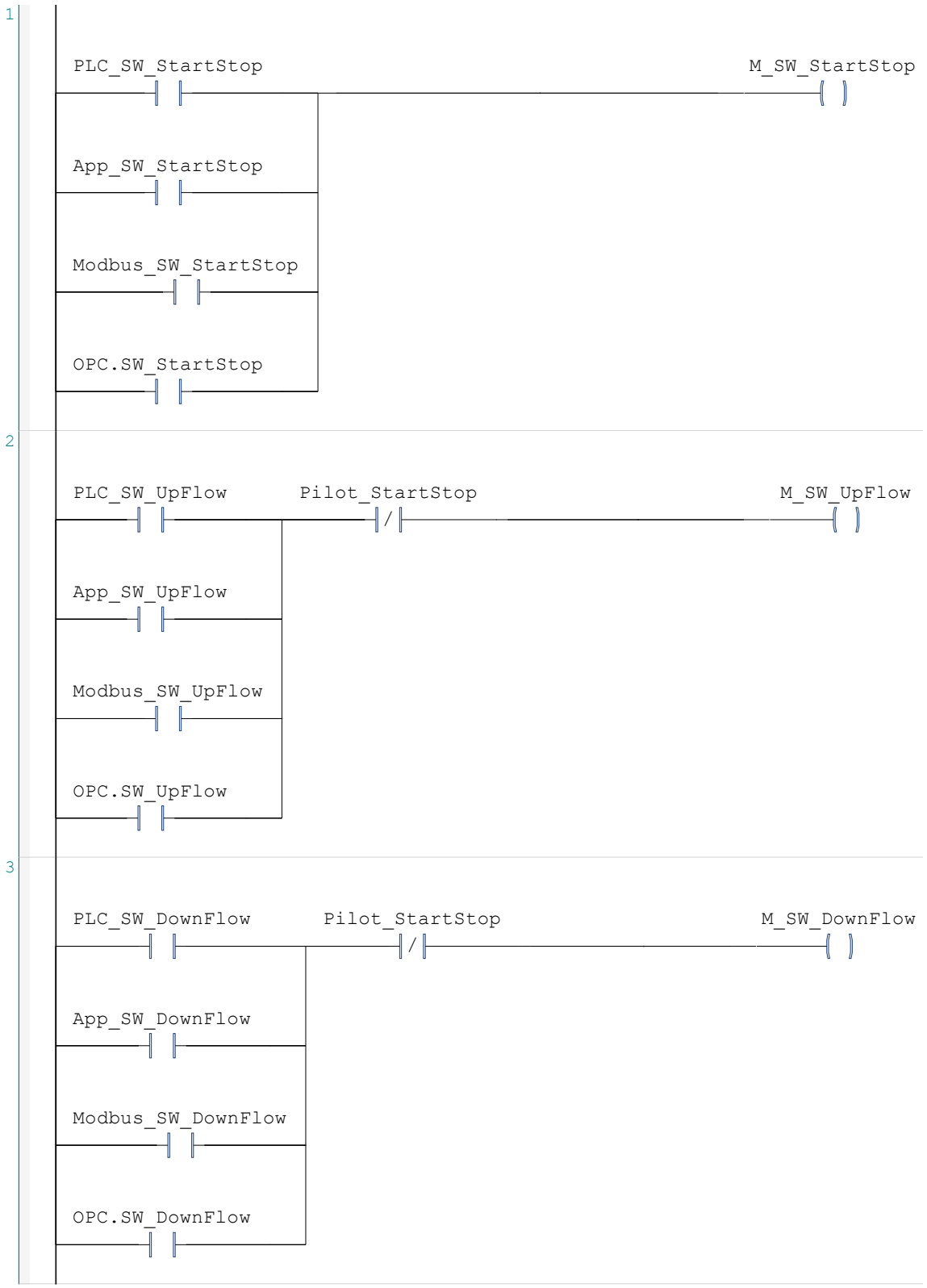
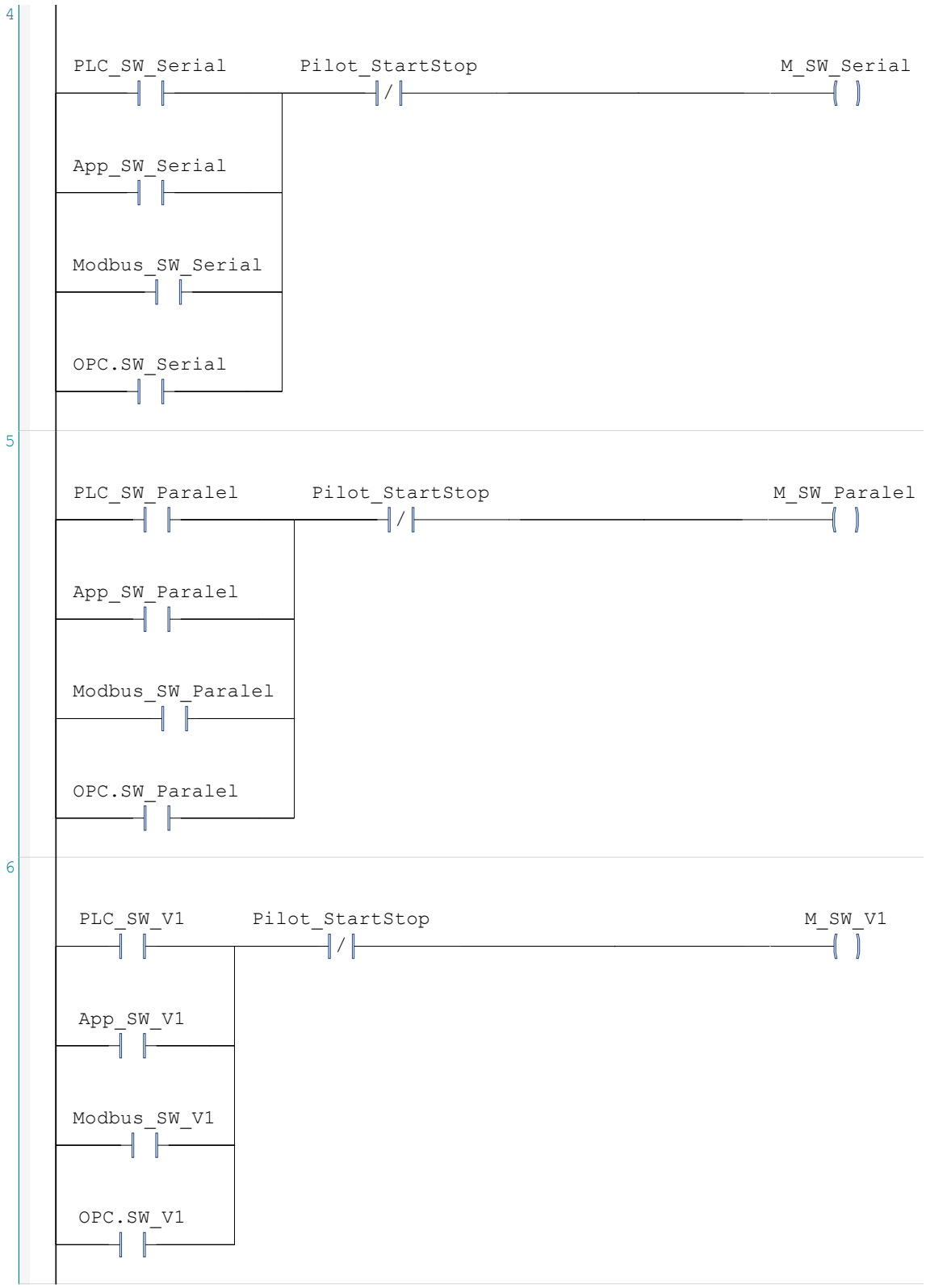
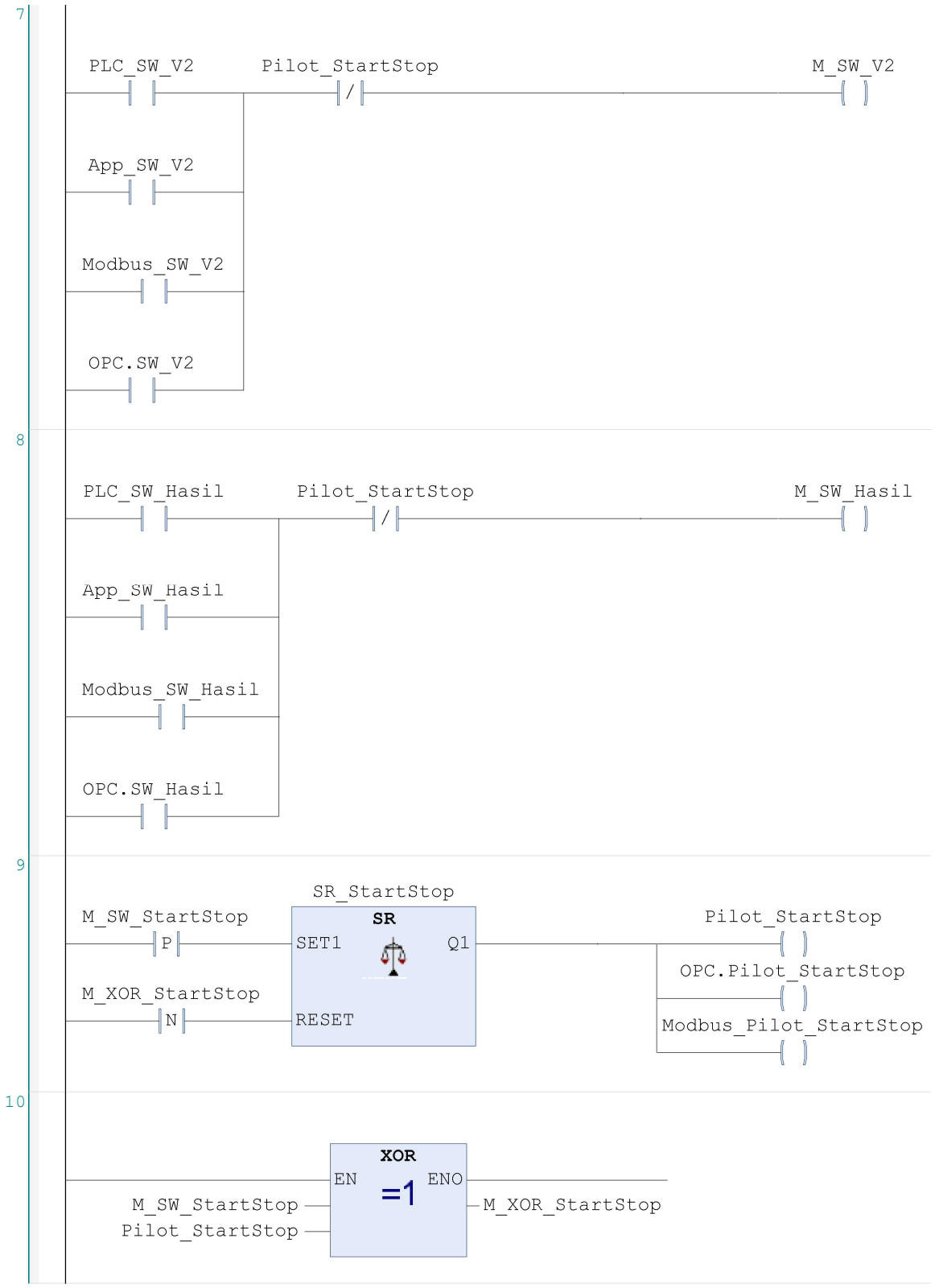
1 POU: SR_Main

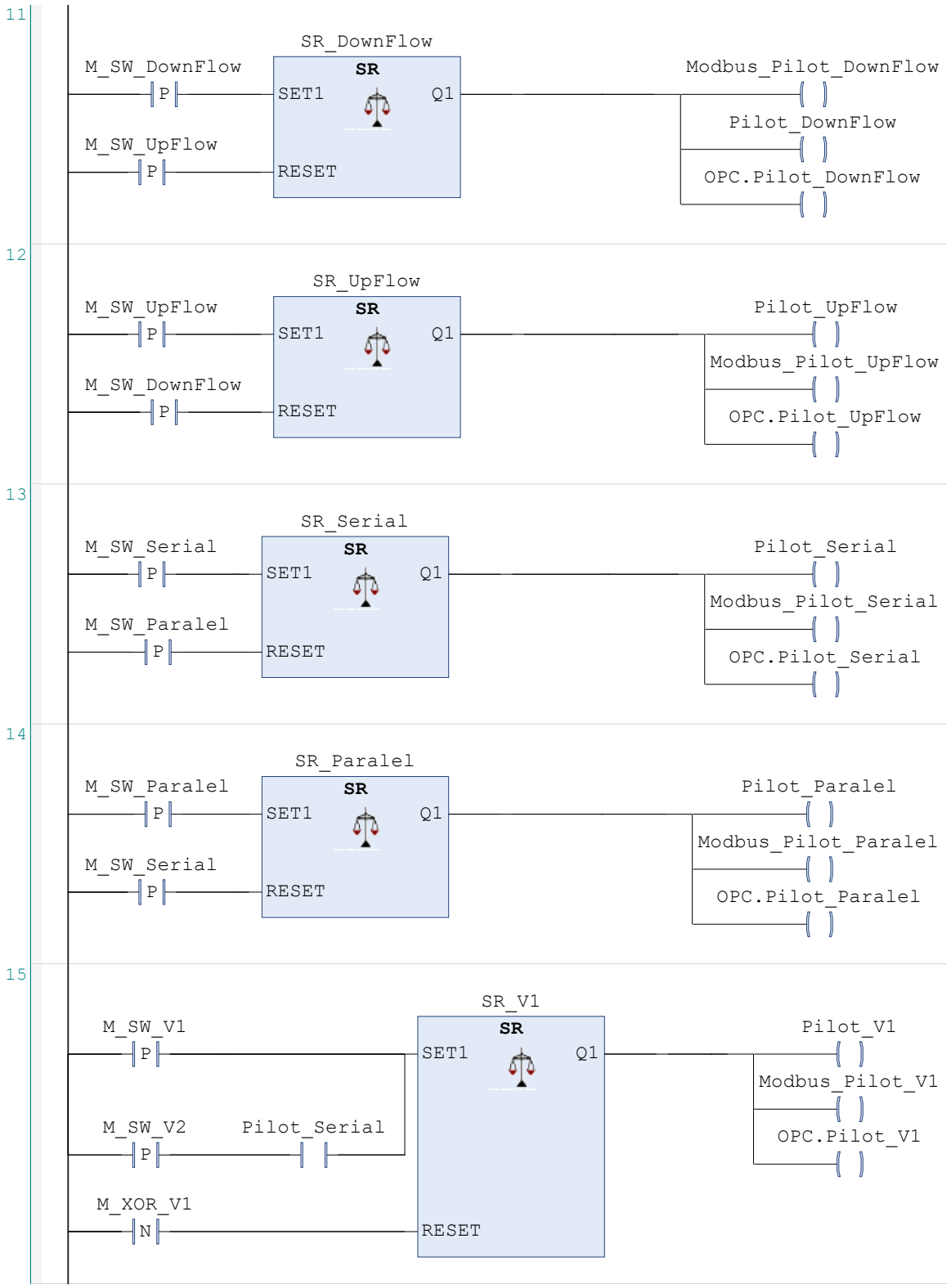
```
1   PROGRAM SR_Main
2   VAR
3       V_A1 AT %QX0.0 : BOOL ;
4       V_A2 AT %QX0.1 : BOOL ;
5       V_B1 AT %QX0.2 : BOOL ;
6       V_C1 AT %QX0.3 : BOOL ;
7       V_C2 AT %QX1.0 : BOOL ;
8       V_D1 AT %QX1.1 : BOOL ;
9       V_D2 AT %QX1.2 : BOOL ;
10      V_E1 AT %QX1.3 : BOOL ;
11      V_E2 AT %QX2.0 : BOOL ;
12      V_F1 AT %QX2.1 : BOOL ;
13      V_F2 AT %QX2.2 : BOOL ;
14      V_G2 AT %QX2.3 : BOOL ;
15      V_H1 AT %QX2.4 : BOOL ;
16      V_H2 AT %QX2.5 : BOOL ;
17      V_S1 AT %QX2.6 : BOOL ;
18      Input_Temperatur AT %IW2 : INT ;
19      Input_Flow AT %IW3 : INT ;
20      Input_Presure AT %IW4 : INT ;
21      Output_Temperature AT %IW5 : INT ;
22      Output_Flow AT %IW6 : INT ;
23      PLC_SW_StartStop AT %IX0.0 : BOOL ;
24      App_SW_StartStop : BOOL ;
25      Modbus_SW_StartStop AT %MX0.0 : BOOL ;
26      M_SW_StartStop : BOOL ;
27      PLC_SW_UpFlow AT %IX0.1 : BOOL ;
28      App_SW_UpFlow : BOOL ;
29      Modbus_SW_UpFlow AT %MX0.1 : BOOL ;
30      Pilot_StartStop : BOOL ;
31      M_SW_UpFlow : BOOL ;
32      PLC_SW_DownFlow AT %IX0.2 : BOOL ;
33      App_SW_DownFlow : BOOL ;
34      Modbus_SW_DownFlow AT %MX0.2 : BOOL ;
35      M_SW_DownFlow : BOOL ;
36      PLC_SW_Serial AT %IX0.3 : BOOL ;
37      App_SW_Serial : BOOL ;
38      Modbus_SW_Serial AT %MX0.3 : BOOL ;
39      M_SW_Serial : BOOL ;
40      M_SW_Paralel : BOOL ;
41      App_SW_Paralel : BOOL ;
42      Modbus_SW_Paralel AT %MX0.4 : BOOL ;
43      PLC_SW_V1 AT %IX1.1 : BOOL ;
44      App_SW_V1 : BOOL ;
45      Modbus_SW_V1 AT %MX0.5 : BOOL ;
46      M_SW_V1 : BOOL ;
47      PLC_SW_V2 AT %IX1.2 : BOOL ;
48      App_SW_V2 : BOOL ;
49      Modbus_SW_V2 AT %MX0.6 : BOOL ;
50      M_SW_V2 : BOOL ;
51      PLC_SW_Hasil AT %IX1.3 : BOOL ;
52      App_SW_Hasil : BOOL ;
```

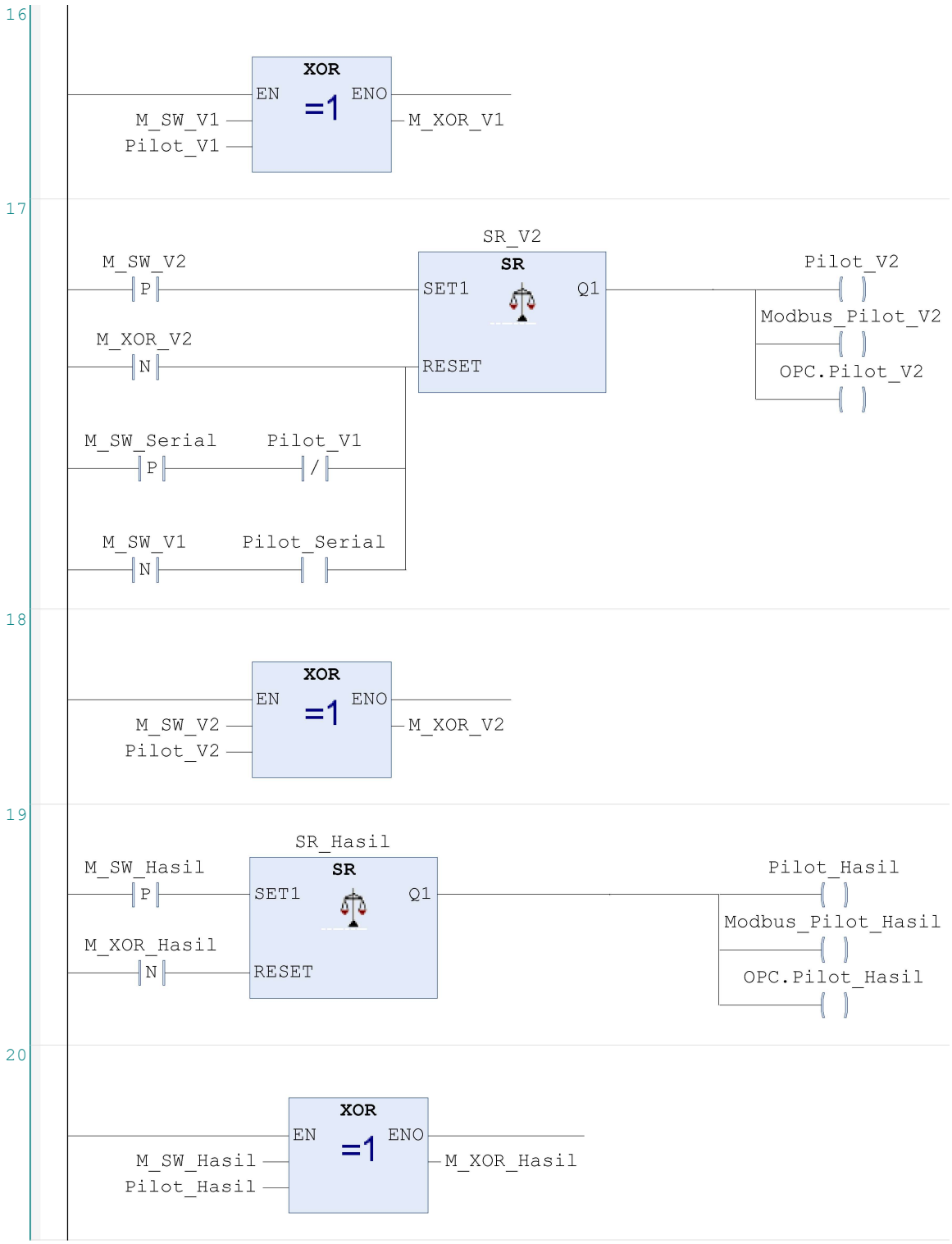
```
53          Modbus_SW_Hasil  AT  %MX0.7 :  BOOL ;
54          M_SW_Hasil :  BOOL ;
55          M_XOR_StartStop :  BOOL ;
56          Modbus_Pilot_StartStop  AT  %MX2.0 :  BOOL ;
57          SR_StartStop :  SR ;
58          SR_DownFlow :  SR ;
59          Pilot_DownFlow :  BOOL ;
60          Modbus_Pilot_DownFlow  AT  %MX2.1 :  BOOL ;
61          SR_UpFlow :  SR ;
62          Pilot_UpFlow :  BOOL ;
63          Modbus_Pilot_UpFlow  AT  %MX2.2 :  BOOL ;
64          SR_Serial :  SR ;
65          Pilot_Serial :  BOOL ;
66          Modbus_Pilot_Serial  AT  %MX2.3 :  BOOL ;
67          SR_Paralel :  SR ;
68          Pilot_Paralel :  BOOL ;
69          Modbus_Pilot_Paralel  AT  %MX2.4 :  BOOL ;
70          SR_V1 :  SR ;
71          M_XOR_V1 :  BOOL ;
72          Pilot_V1 :  BOOL ;
73          Modbus_Pilot_V1  AT  %MX2.5 :  BOOL ;
74          SR_V2 :  SR ;
75          Pilot_V2 :  BOOL ;
76          Modbus_Pilot_V2  AT  %MX2.6 :  BOOL ;
77          M_XOR_V2 :  BOOL ;
78          SR_Hasil :  SR ;
79          Pilot_Hasil :  BOOL ;
80          Modbus_Pilot_Hasil  AT  %MX2.7 :  BOOL ;
81          M_XOR_Hasil :  BOOL ;
82          Modbus_V_A1  AT  %MX3.0 :  BOOL ;
83          Modbus_V_A2  AT  %MX3.1 :  BOOL ;
84          Modbus_V_B1  AT  %MX3.2 :  BOOL ;
85          Modbus_V_C1  AT  %MX3.3 :  BOOL ;
86          Modbus_V_C2  AT  %MX3.4 :  BOOL ;
87          Modbus_V_D1  AT  %MX3.5 :  BOOL ;
88          Modbus_V_D2  AT  %MX3.6 :  BOOL ;
89          Modbus_V_E1  AT  %MX3.7 :  BOOL ;
90          Modbus_V_E2  AT  %MX4.0 :  BOOL ;
91          Modbus_V_F1  AT  %MX4.1 :  BOOL ;
92          Modbus_V_F2  AT  %MX4.2 :  BOOL ;
93          Modbus_V_G2  AT  %MX4.3 :  BOOL ;
94          Modbus_V_H1  AT  %MX4.4 :  BOOL ;
95          Modbus_V_H2  AT  %MX4.5 :  BOOL ;
96          Modbus_V_S1  AT  %MX4.6 :  BOOL ;
97          PLC_SW_Paralel  AT  %IX1.0 :  BOOL ;
98      END_VAR
99
```

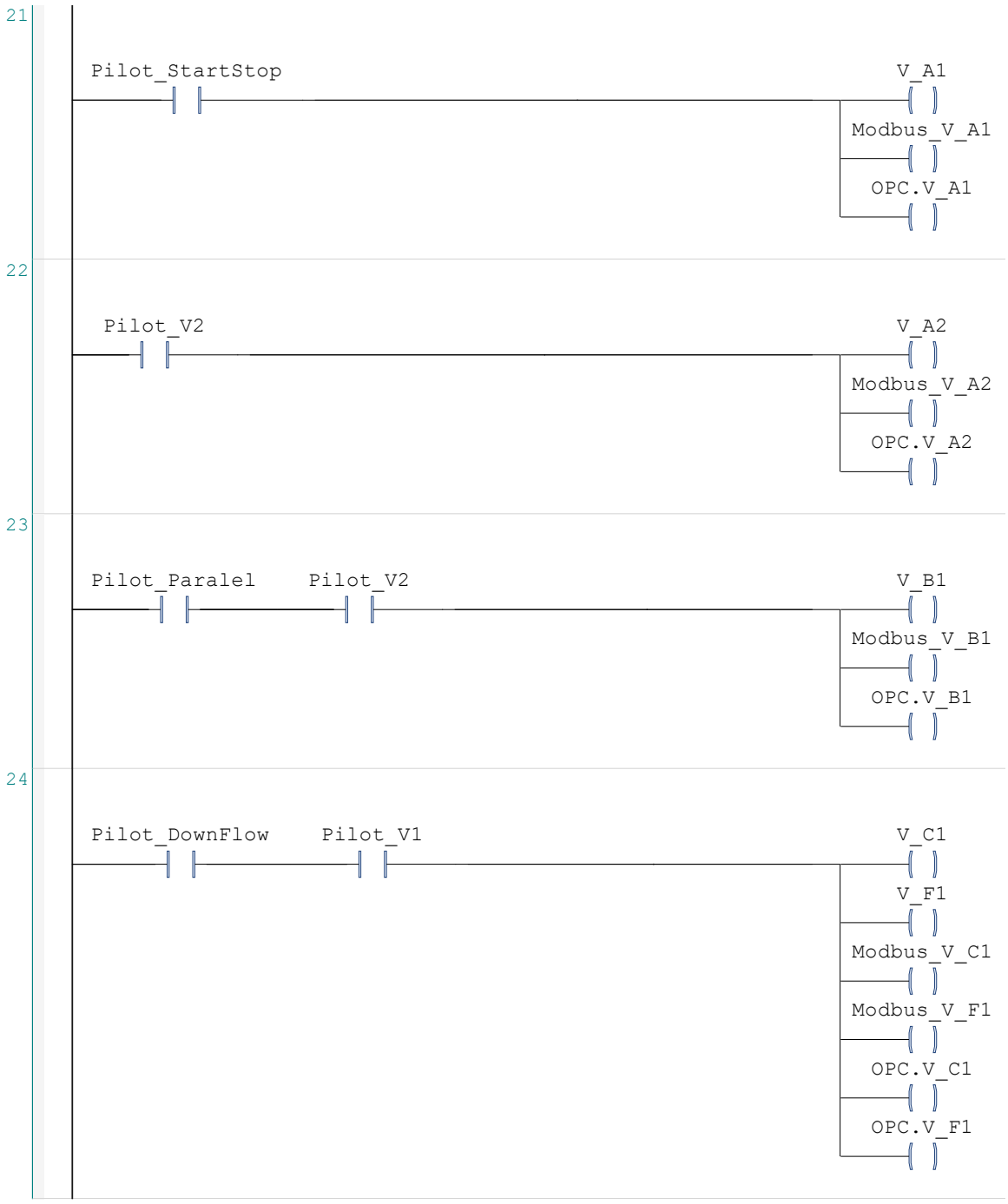

1
PLC_SW_StartStop
M_SW_StartStop
App_SW_StartStop
Modbus_SW_StartStop
OPC.SW_StartStop
2
PLC_SW_UpFlow
Pilot_StartStop
M_SW_UpFlow
App_SW_UpFlow
Modbus_SW_UpFlow
OPC.SW_UpFlow
3
PLC_SW_DownFlow
Pilot_StartStop
M_SW_DownFlow
App_SW_DownFlow
Modbus_SW_DownFlow
OPC.SW_DownFlow

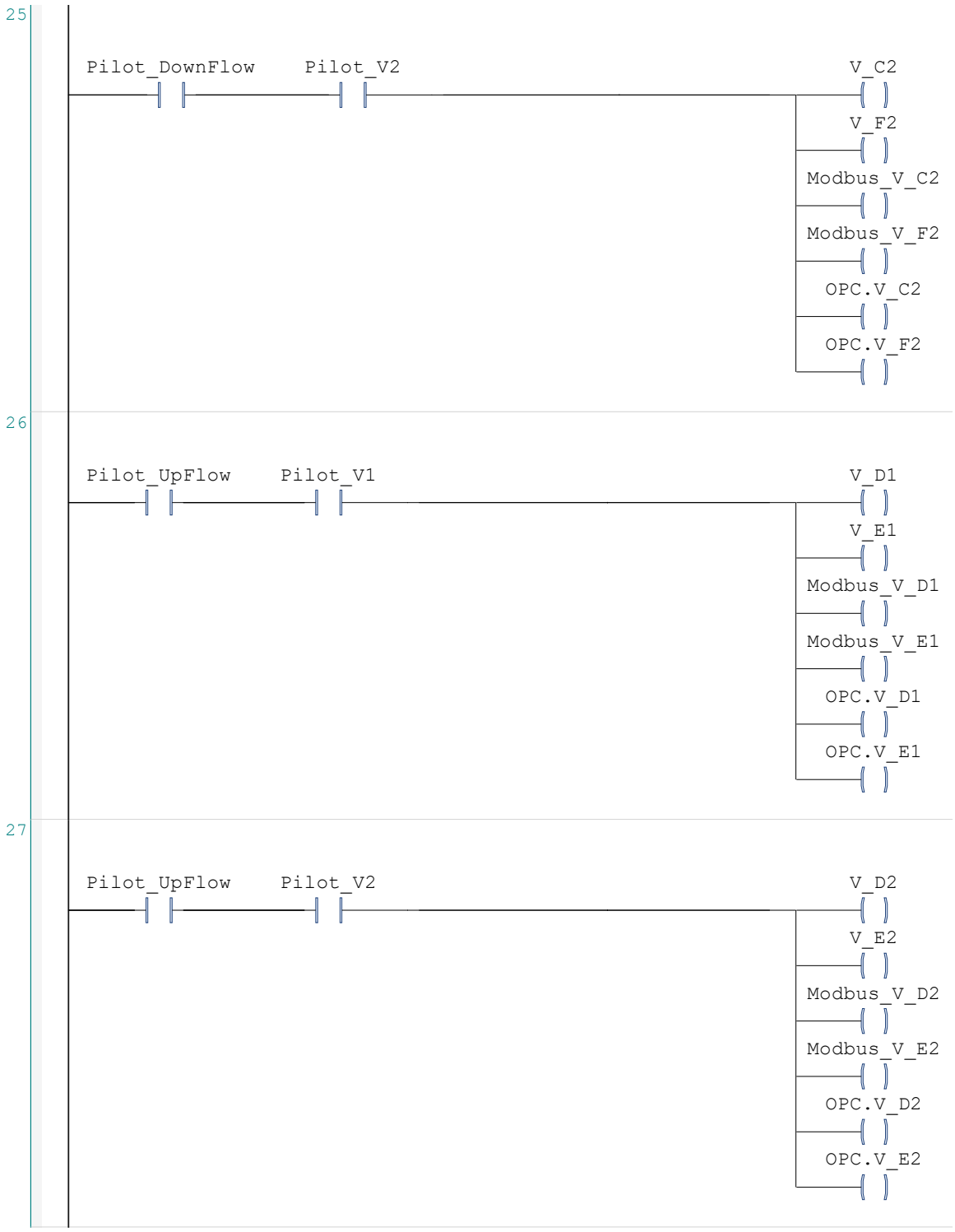

4
PLC_SW_Serial
Pilot_StartStop
M_SW_Serial
App_SW_Serial
Modbus_SW_Serial
OPC.SW_Serial
5
PLC_SW_Paralel
Pilot_StartStop
M_SW_Paralel
App_SW_Paralel
Modbus_SW_Paralel
OPC.SW_Paralel
6
PLC_SW_V1
Pilot_StartStop
M_SW_V1
App_SW_V1
Modbus_SW_V1
OPC.SW_V1

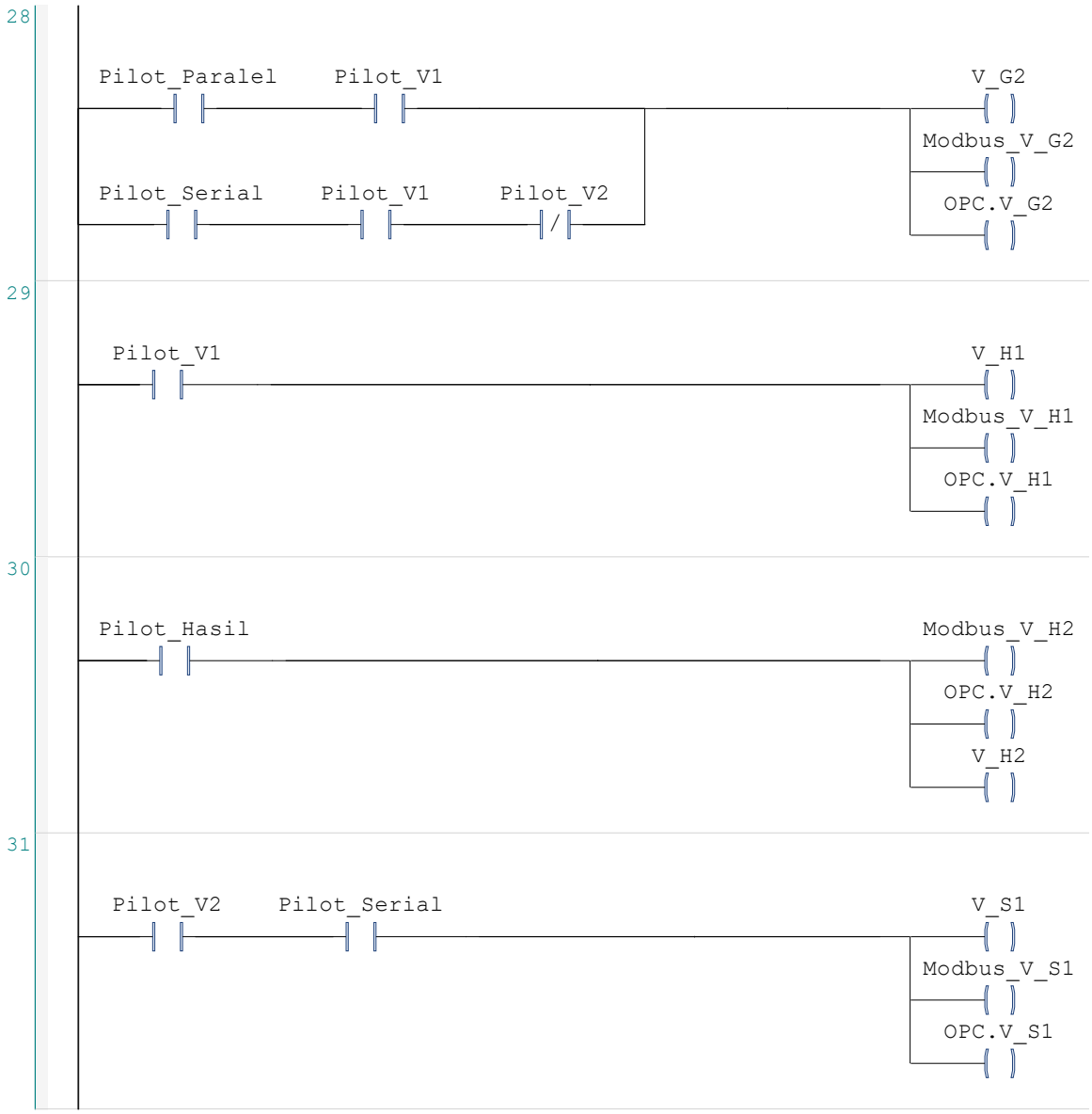

7
PLC_SW_V2
Pilot_StartStop
/
M_SW_V2
App_SW_V2
Modbus_SW_V2
OPC.SW_V2
8
PLC_SW_Hasil
Pilot_StartStop
/
M_SW_Hasil
App_SW_Hasil
Modbus_SW_Hasil
OPC.SW_Hasil
9
SR_StartStop
M_SW_StartStop
P
SR
SET1
Q1
RESET
M_XOR_StartStop
N
Pilot_StartStop
OPC.Pilot_StartStop
Modbus_Pilot_StartStop
10
XOR
EN
=1
ENO
M_SW_StartStop
Pilot_StartStop
M_XOR_StartStop


11
SR_DownFlow
M_SW_DownFlow
P
SET1
SR
Q1
Modbus_Pilot_DownFlow
Pilot_DownFlow
M_SW_UpFlow
P
RESET
OPC.Pilot_DownFlow
12
SR_UpFlow
M_SW_UpFlow
P
SET1
SR
Q1
Pilot_UpFlow
Modbus_Pilot_UpFlow
M_SW_DownFlow
P
RESET
OPC.Pilot_UpFlow
13
SR_Serial
M_SW_Serial
P
SET1
SR
Q1
Pilot_Serial
Modbus_Pilot_Serial
M_SW_Paralel
P
RESET
OPC.Pilot_Serial
14
SR_Paralel
M_SW_Paralel
P
SET1
SR
Q1
Pilot_Paralel
Modbus_Pilot_Paralel
M_SW_Serial
P
RESET
OPC.Pilot_Paralel
15
SR_V1
M_SW_V1
P
SET1
SR
Q1
Pilot_V1
Modbus_Pilot_V1
M_SW_V2
P
Pilot_Serial
OPC.Pilot_V1
M_XOR_V1
N
RESET


16
XOR
EN
=1
ENO
M_SW_V1
Pilot_V1
M_XOR_V1
17
SR_V2
SR
M_SW_V2
P
SET1
Q1
Pilot_V2
Modbus_Pilot_V2
OPC.Pilot_V2
M_XOR_V2
N
RESET
M_SW_Serial
P
Pilot_V1
/
M_SW_V1
N
Pilot_Serial
18
XOR
EN
=1
ENO
M_SW_V2
Pilot_V2
M_XOR_V2
19
SR_Hasil
SR
M_SW_Hasil
P
SET1
Q1
Pilot_Hasil
Modbus_Pilot_Hasil
OPC.Pilot_Hasil
M_XOR_Hasil
N
RESET
20
XOR
EN
=1
ENO
M_SW_Hasil
Pilot_Hasil
M_XOR_Hasil


21
Pilot_StartStop
V_A1
Modbus_V_A1
OPC.V_A1
22
Pilot_V2
V_A2
Modbus_V_A2
OPC.V_A2
23
Pilot_Paralel
Pilot_V2
V_B1
Modbus_V_B1
OPC.V_B1
24
Pilot_DownFlow
Pilot_V1
V_C1
V_F1
Modbus_V_C1
Modbus_V_F1
OPC.V_C1
OPC.V_F1


25
Pilot_DownFlow
Pilot_V2
V_C2
V_F2
Modbus_V_C2
Modbus_V_F2
OPC.V_C2
OPC.V_F2
26
Pilot_UpFlow
Pilot_V1
V_D1
V_E1
Modbus_V_D1
Modbus_V_E1
OPC.V_D1
OPC.V_E1
27
Pilot_UpFlow
Pilot_V2
V_D2
V_E2
Modbus_V_D2
Modbus_V_E2
OPC.V_D2
OPC.V_E2


28
Pilot_Paralel
Pilot_V1
V_G2
Modbus_V_G2
Pilot_Serial
Pilot_V1
Pilot_V2
OPC.V_G2
29
Pilot_V1
V_H1
Modbus_V_H1
OPC.V_H1
30
Pilot_Hasil
Modbus_V_H2
OPC.V_H2
V_H2
31
Pilot_V2
Pilot_Serial
V_S1
Modbus_V_S1
OPC.V_S1