Totally Integrated Automation Portal		
ordoe222 / PLC	_1 [CPU 1215C DC/DC/DC] / Program blocks	

# Main [OB1]

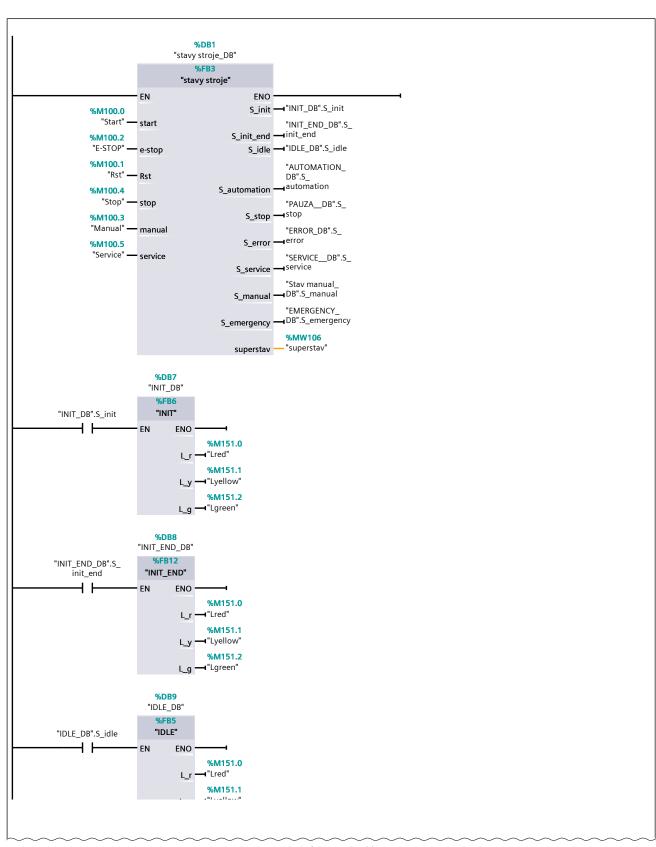
Main Properti	ies				
General					
Name	Main	Number	1	Туре	ОВ
Language	LAD	Numbering	Automatic		
Information					
Title	"Main Program Sweep (Cycle)"	Author		Comment	
Family		Version	0.1	User-defined ID	

Main			
Name	Data type	Default value	Comment
<b>▼</b> Input			
Initial_Call	Bool		Initial call of this OB
Remanence	Bool		=True, if remanent data are available
Temp			
Constant			

# Network 1:

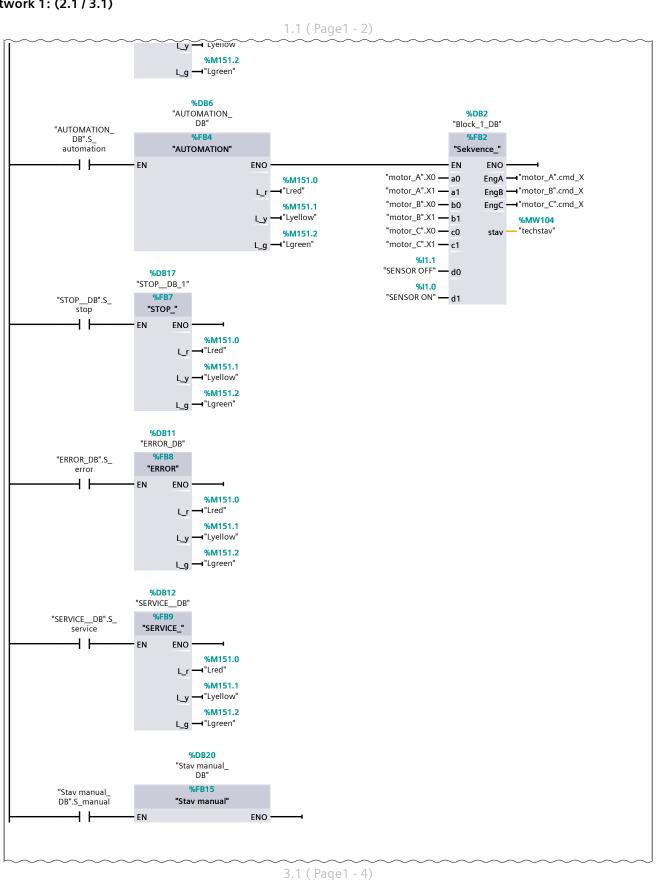
Totally Integrated Automation Portal

#### Network 1: (1.1 / 3.1)



Totally Integrated **Automation Portal** 

#### Network 1: (2.1 / 3.1)



Totally Integrated Automation Portal			
Network 1: (3.1 / 3.1)		2.1 ( Page1 - 3)	
%M101.0  "Manual_A" -  %M101.1  "Manual_B" -  %M101.2  "Manual_C" -	— Manual_B	EngA → "motor_A".cmd_X EngB → "motor_B".cmd_X EngC → "motor_C".cmd_X  %M151.1 L_y → "Lyellow"	
"EMERGENCY_ DB".S_emergency	%DB14 "EMERGENCY_DB" %FB11 "EMERGENCY" — EN	ENO    %M151.0   "Lred"   %M151.1   "Lyellow"	
		%M151.2 L_g → "Lgreen"	

tally Integrated Itomation Portal		
work 2:		1
	%DB4 "motor_A" %FB1	
EN	"motor"	1
false — cmd	<b>X</b> stav — 27	
%I0.1 "AX0" — xo	%Q0.1 → "AYX0"	
%I0.2 "AX1" — X1	%Q0.2 YX1 → "AYX1"	
%10.7	WatchTimeOut ──false	
"RESET" — OK	WTimeOut — T#0ms	
	%DB3 "motor_B"	
	%FB1 "motor"	
<u> 1</u> EN	ENO	2
false — cmd	X stav — 27 %Q0.3	
"BX0" — <b>x</b> 0	XX0 → "BAXO"	
<b>%I0.4</b> "BX1" — X1	%Q0.4 → "BYX1"	
%I <b>0.7</b> "RESET" <b>—</b> OK	<b>WatchTimeOut ──</b> false <b>WTimeOut ──</b> T#0ms	
	%D85	
_	"motor_C"	
	%FB1 "motor"	
false — EN cmd	X stav 27	
%10.5	%Q0.5	
"CX0" — x0 %10.6	YX0 — "CYX0" %Q0.6	
"CX1" — X1 %I0.7	YX1 ——"CYX1"  WatchTimeOut ——false	
"RESET" — OK	WTimeOut — T#0ms	
work 2.		
work 3:		

#### **Totally Integrated Automation Portal** %DB19 "Motor EXAM\_DB" %FB17 "Motor EXAM" EN ENO -EngA — "motor\_A".cmd\_X %M0.2 "Button\_A" — Button\_A stav — 0 %M0.3 "TEACH" — TEACH %10.1 "AX0" — A0 %10.2 "AX1" — A1

## Network 4:

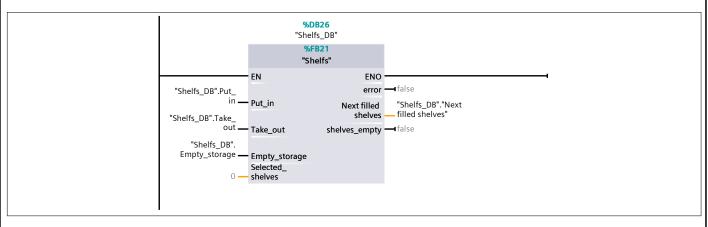
```
%DB22
                  "security device_
DB"
                      %FB18
                  "security device"
          - EN
                                   ENO ·
 %M0.6
                                          %M151.4
   "OFF" — OFF
                                    R1 → "R1"
                                         %M151.5
%M100.4
                                     R2 → "R2"
  "Stop" — STOP
 %M0.4
                                         %M151.6
 "OPEN" — OPEN
                                     w →"W"
                                   state -0
```

## Network 5:

# Network 6:

#### **Totally Integrated Automation Portal** %DB24 "EXAM\_DB" %FB20 "EXAM" EN ENO -YC1 —false %M0.3 "TEACH" — TEACH YC2 → false **ERROR →** false %M300.6 "Button\_C" — Button\_C \_\_false **L\_Blink →** false %M300.4 "c0" — **co** %M300.5 "c1" — C1 %M100.1 "Rst" — Reset

# Network 7:



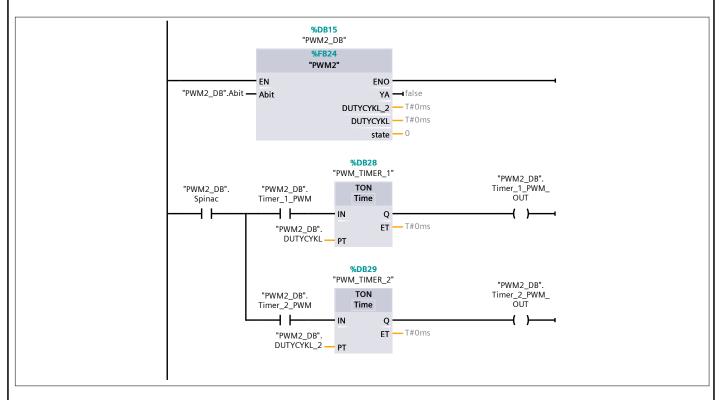
# Network 8:

# Network 9:

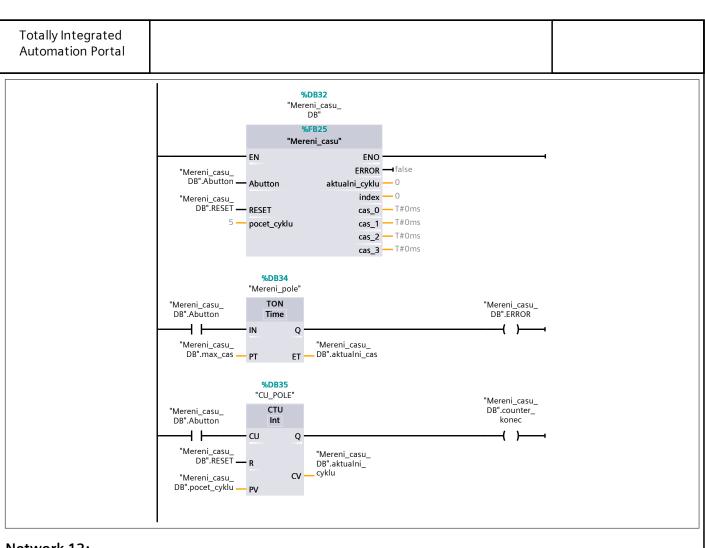
# Totally Integrated Automation Portal %DB25

```
%DB25
"CTU"
                               %FB23
                             "Block_1"
                                             ENO -
                  ΕN
                                              YA →false
        %M4.0
        "SEN_A" — Sensor_A0
                                      stav_motoru — 0
                                       Final_cycle — 0
        %M6.0
       "SEN_B" — Sensor_A1
     "CTU".start — start
                     %DB30
                    "timer1"
                      TON
"CTU".Timer1_
   start
                     Time
                                                                        "CTU".Timer1_out
                                                                              <del>(</del> )-
    1 F
                  · IN
      T#350ms — PT
                            ET — T#0ms
                     %DB31
                    "timer2"
                      TON
"CTU".Timer2_
   start
                      Time
                                                                        "CTU".Timer2_out
                  IN
                             Q·
                                                                             \prec \succ
      T#600ms — PT
                           ET — T#0ms
```

## Network 10:



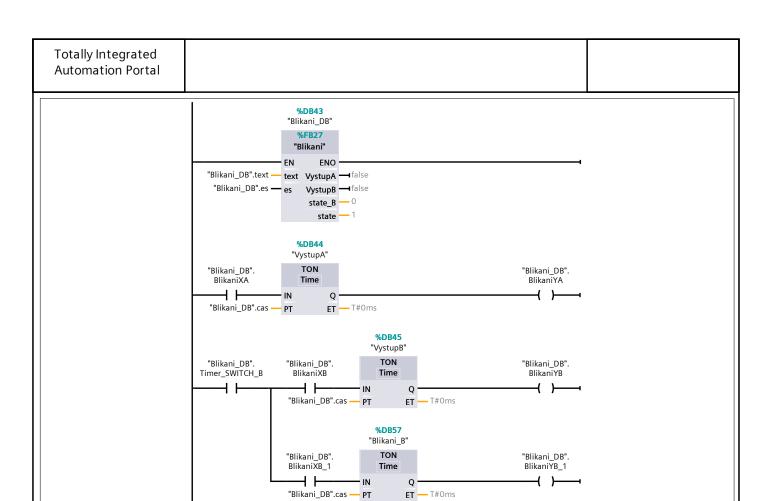
# Network 11:



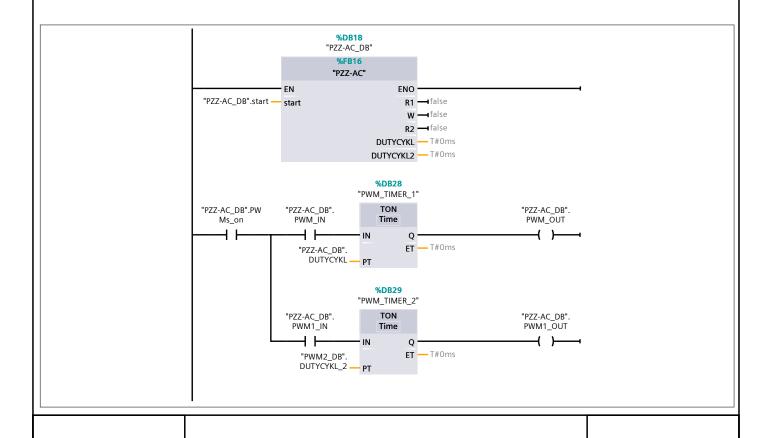
# Network 12:

Totally Integrated **Automation Portal** %DB33 "Spinani\_DB" %FB26 "Spinani" ΕN ENO -YA **→**false YB → false %DB36 "TimerY0" "Spinani\_DB". timerX0 TON "Spinani\_DB". timerY0  $\dashv$   $\vdash$ <del>(</del> )-%DB37 "timerY1" TON "Spinani\_DB". "Spinani\_DB". Time timerX1 timerY1 **T#3S** — **PT** ET — T#0ms %DB38 "timerY2" TON "Spinani\_DB". "Spinani\_DB". timerX2 Time timerY2 · IN Q-T#5S — PT **ET** — T#0ms %DB39 "timerY3" TON "Spinani\_DB". timerX3 "Spinani\_DB". timerY3 Time **(** )-%DB40 "timerY4" TON "Spinani\_DB". "Spinani\_DB". timerX4 timerY4 PT ET T#0ms ( )-T#8S — PT %DB41 "timerY5" "Spinani\_DB". timerX5 TON "Spinani\_DB". timerY5 Time **-( )**-IN T#10S — PT ET — T#0ms %DB42 "timerY6" TON "Spinani\_DB". "Spinani\_DB". timerX6 Time timerY6 IN 

# Network 13:



#### Network 14:



## Network 15:

```
%DB21
                               "Teachin_DB"
                                  %FB28
                                 "Teachin"
                     EN
                                                  ENO
    "Teachin_DB".
Button_A — Button_A
                                                   YA →false
    "Teachin_DB".
TEACH — TEACH
                        %DB48
                     "Timer_teach"
                                                                               "Teachin_DB".
Timer_teach_out
                         TON
 "Teachin_DB".
Timer_teach_in
                         Time
                                                                                     <del>(</del> )-
      +
                     IN
 "Teachin_DB".cas —
                    PT
                                      "Teachin_DB".
                                     _ DEALY
                        %DB49
                    "Timer_teach_1"
                                                                                 "Teachin_DB".
                         TON
                                                                               Timer_teach_out_
 "Teachin_DB".
Timer_teach_in_1
                         Time
                     IN
                                                                                     ( )-
 "Teachin_DB".cas — PT
                                      "Teachin_DB".
                                     _ DEALY
```

# Network 16:

```
"LEVEL_DB"

"LEVEL_DB".

EN ENO
AQ10
LEVEL
LEVEL
LEVEL
LEVEL
```

# Network 17:

