SCADA_Data

Project							
Name:	SCADA_Data	**Creation time:**	3/19/2018 7:23:47 PM	**Last change**	3/19/2018 10:48:20 PM	**Author:**	Thomas
Last modified by:	Thomas	**Version:**					
Comment:							

Operating system	
Name	**Description**
Operating system	Microsoft Windows 10 Pro
Version of the operating system	6.3.9600.0
Operating system service pack	
Version of the Internet Explorer	11.309.16299.0
Computer name	DESKTOP-425QHNO
User name	DESKTOP-425QHNO\Thomas
Installation path of the TIA Portal	C:\Program Files\Siemens\Automation\Portal V14

Components		
Name	**Version**	**Release**
TIA Portal Multiuser Server V14 - TIA Portal Multiuser Server Single Setup-Package V14.0 SP1 (MUSERVERV14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
SIMATIC S7-PLCSIM (S7_PLCSIM_V14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - SIMATIC S7-PLCSIM V14.0 + SP1 (S7_PLCSIM_V14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Totally Integrated Automation Portal V14 - TIA Portal Single SetupPackage V14.0 SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - HM All Editions Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - HM NoBasic Single Se-tupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - Hardware Support Base Package 0 V14.0 (TIAP14)	V14.0	V14.00.00.00_26.01.00.01
Siemens Totally Integrated Automation Portal V14 - Multiuser Client Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - Startdrive V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_47.00.00.01
Siemens Totally Integrated Automation Portal V14 - Startdrive Hardware Support Base Package 1 V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_35.00.00.00
Siemens Totally Integrated Automation Portal V14 - STEP 7 Single Setup-Package V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - Hardware Support Base Package 02 V14.0 (TIAP14)	V14.0	V14.00.00.00_26.01.00.01
Siemens Totally Integrated Automation Portal V14 - Hardware Support Base Package 03 V14.0 (TIAP14)	V14.0	V14.00.00.00_26.01.00.01
Siemens Totally Integrated Automation Portal V14 - Hardware Support Base Package 04 V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_04.01.00.03
Siemens Totally Integrated Automation Portal V14 - Support Base Package TO-01 V14.0 (TIAP14)	V14.0	V14.00.00.00_26.01.00.01
Siemens Totally Integrated Automation Portal V14 - Support Base Package TO-02 V14.0 (TIAP14)	V14.0	V14.00.00.00_26.01.00.01
Siemens Totally Integrated Automation Portal V14 - Hardware Support Base Package WCF-01 V14.0 (TIAP14)	V14.0	V14.00.00.00_26.01.00.01
Siemens Totally Integrated Automation Portal V14 - TIACOMPCHECK Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - Simatic Single Setup-Package V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - WinCC Single Setup-Package V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - WinCC Transfer Current All Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - WinCC Transfer Legacy All Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - WinCC Transfer Legacy All Single SetupPackage V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - Simatic Single Setup-Package 32 Bit V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
Siemens Totally Integrated Automation Portal V14 - WinCC Single Setup-Package 32 Bit V14.0 + SP1 (TIAP14)	V14.0 + SP1	V14.00.01.00_12.01.00.01
SIMATIC HMI License Manager Panel Plugin (x64)	14.0.1.0	V14.00.01.00_12.01.00.01
SIMATIC NCM FWL 64	5.6.0.0	V5.6.0.0_3.1.0.2
NCM GPRS 64	01.02.00.00	V1.2.0.0_2.1.0.1
SIMATIC PLCSIM 64	14.01	14.00.01.00_01.01.01.01
SIMATIC Device Drivers	9.1	09.01.02.00_01.01.00.02
Automation Software Updater	02.02.0000	V02.02.00.00_06.01.00.04
SIMATIC HMI ProSave	14.0.1.0	V14.00.01.00_12.01.00.01
SIMATIC HMI Symbol Library	14.0.1.0	V14.00.01.00_12.01.00.01
SIMATIC Device Drivers WoW	29.1	29.01.02.00_01.01.00.02
SIMATIC Event Database	5.5	05.05.05.02_02.01.00.01
SeCon	2.4	V02.04.00.02_01.01.00.01
WinCC Runtime Advanced Simulator	14.0.1.0	V14.00.01.00_12.01.00.01

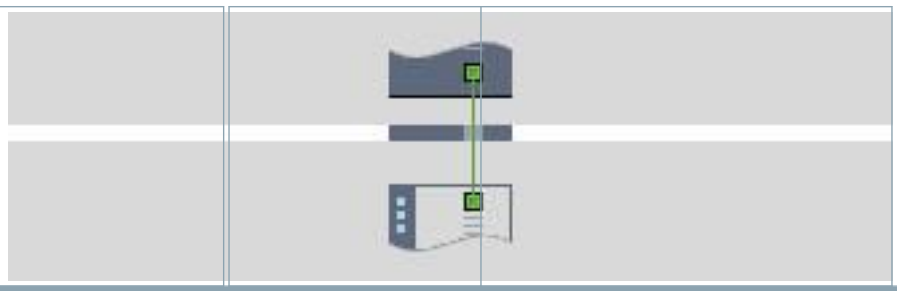
Products		
Name	**Version**	**Release**
TIA Portal Multiuser Server	V14.0 SP1	V14.00.01.00_12.01.00.01
SIMATIC S7-PLCSIM	V14.0 SP1	V14.00.01.00_12.01.00.01
SINAMICS Startdrive	V14.0 SP1	V14.00.01.00_47.00.00.01
SIMATIC STEP 7 Professional	V14.0 SP1	V14.00.01.00_12.01.00.01
SIMATIC WinCC Basic	V14.0 SP1	V14.00.01.00_12.01.00.01
Automation License Manager	V5.3 + SP3 + Upd3	05.03.03.03_01.01.00.01

Name	Version	Release
S7-PLCSIM	V5.4 + SP8	V05.04.08.00_08.03.00.01
SIMATIC ProSave	V14.0 SP1	V14.00.01.00_12.01.00.01

SCADA_Data

PLC_1 [CPU 1212C AC/DC/Rly]

PLC_1					
General\Project information					
Name	PLC_1	**Author**	Thomas	**Comment**	
Slot	1	**Rack**	0		
General\Catalog information					
Short designation	CPU 1212C AC/DC/Rly	**Description**	Work memory 50 KB; 120/240VAC power supply with DI8 x 24VDC SINK/SOURCE, DQ6 x relay and AI2 on board; 4 high-speed counters (expandable with digital signal board) and 4 pulse outputs on board; signal board expands on-board I/O; up to 3 communication modules for serial communication; up to 2 signal modules for I/O expansion; 0.04 ms/1000 instructions; PROFINET interface for programming, HMI and PLC-to-PLC communication	**Article number**	6ES7 212-1BE31-0XB0
Firmware version	V3.0				
PROFINET interface\General\Project information					
Name	PROFINET interface_1	**Comment**		**Name**	DI 8/DQ 6_1
Comment		**Name**	AI 2_1	**Comment**	
PROFINET interface\Ethernet addresses\Interface networked with					
Subnet:	PN/IE_1				
PROFINET interface\Ethernet addresses\IP protocol					
IP configuration	Set IP address in the project	**IP address:**	192.168.0.1	**Subnet mask:**	255.255.255.0
Use router	False				
PROFINET interface\Ethernet addresses\PROFINET					
PROFINET device name is set directly at the device	False	**Generate PROFINET device name automatically**	True	**PROFINET device name:**	plc_1
Converted name:	plcxb1d0ed	**Device number:**	0		
PROFINET interface\Digital inputs\Input filters					
I0.0 - I0.3	6.40ms	**I0.4 - I0.7**	6.40ms		
PROFINET interface\Digital inputs\Channel0					
Channel address	I0.0	**Enable rising edge detection**	0	**Enable falling edge detection**	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel1					
Channel address	I0.1	**Enable rising edge detection**	0	**Enable falling edge detection**	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel2					
Channel address	I0.2	**Enable rising edge detection**	0	**Enable falling edge detection**	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel3					
Channel address	I0.3	**Enable rising edge detection**	0	**Enable falling edge detection**	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel4					
Channel address	I0.4	**Enable rising edge detection**	0	**Enable falling edge detection**	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel5					
Channel address	I0.5	**Enable rising edge detection**	0	**Enable falling edge detection**	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel6					
Channel address	I0.6	**Enable rising edge detection**	0	**Enable falling edge detection**	0
Enable pulse catch	0				
PROFINET interface\Digital inputs\Channel7					
Channel address	I0.7	**Enable rising edge detection**	0	**Enable falling edge detection**	0
Enable pulse catch	0				
PROFINET interface\Advanced options\Interface options					
Support device replacement without exchangeable medium	True	**Limit data infeed into the network**	True	**Use IEC V2.2 LLDP mode**	True
PROFINET interface\Advanced options\Anchor (ParameterRealtimeSettingsMenu)					
The TreeNode ParameterRealtimeSettingsMenu was not filled by some ACF					
PROFINET interface\Advanced options\Port [X1 P1]\General\Project information					
Name	Port_1	**Comment**			
PROFINET interface\Advanced options\Port [X1 P1]\Port interconnection\Local port:					
Local port:	PLC_1\PROFINET interface_1 [X1]\Port_1 [X1 P1]	**Medium:**	Copper	**Cable name:**	---

					
PROFINET interface\Advanced options\Port [X1 P1]\Port interconnection\Partner port:					
	Monitoring of partner port is not possible	**Partner port:**	Any partner		
PROFINET interface\Advanced options\Port [X1 P1]\Port options\Activate					
Activate this port for use	True				
PROFINET interface\Advanced options\Port [X1 P1]\Port options\Connection					
Transmission rate / duplex:	Automatic	**Monitor**	False	**Enable autonegotiation**	True
PROFINET interface\Advanced options\Port [X1 P1]\Port options\Boundaries					
End of detection of accessible devices	False	**End of topology discovery**	False	**End of the sync domain**	False
PROFINET interface\Advanced options\Port [X1 P1]\Hardware identifier\Hardware identifier					
Hardware identifier	65				
PROFINET interface\Analog inputs\Noise reduction					
Integration time	50 Hz (20 ms)				
PROFINET interface\Analog inputs\Channel0					
Channel address	IW64	**Measurement type**	Voltage	**Voltage range**	0..10 V
Smoothing	Weak (4 cycles)			**Enable overflow diagnostics**	1
PROFINET interface\Analog inputs\Channel1					
Channel address	IW66	**Measurement type**	Voltage	**Voltage range**	0..10 V
Smoothing	Weak (4 cycles)			**Enable overflow diagnostics**	1
PROFINET interface\Digital outputs					
Reaction to CPU STOP	Use substitute value				
PROFINET interface\Digital outputs\Channel0					
Channel address	Q0.0	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface\Digital outputs\Channel1					
Channel address	Q0.1	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface\Digital outputs\Channel2					
Channel address	Q0.2	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface\Digital outputs\Channel3					
Channel address	Q0.3	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface\Digital outputs\Channel4					
Channel address	Q0.4	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface\Digital outputs\Channel5					
Channel address	Q0.5	**Substitute a value of 1 on a change from RUN to STOP.**	0		
PROFINET interface\Time synchronization					
Enable time synchronization via NTP server	Enable time synchronization via NTP server		IP addresses	**Server 1**	0.0.0.0
Server 2	0.0.0.0	**Server 3**	0.0.0.0	**Server 4**	0.0.0.0
Update interval	10sec				
PROFINET interface\Hardware identifier\Hardware identifier					
Hardware identifier	64	**Hardware identifier**	264		
PROFINET interface\I/O addresses\Input addresses					
Start address	0.0	**End address**	0.7	**Process image**	Cyclic PI
PROFINET interface\I/O addresses\Input addresses					
Start address	64	**End address**	67	**Process image**	Cyclic PI
PROFINET interface\I/O addresses\Output addresses					
Start address	0.0	**End address**	0.7	**Process image**	Cyclic PI
High speed counters (HSC)\HSC1\General\Enable					
Enable this high speed counter	0	**Enable this high speed counter**	0	**Enable this high speed counter**	0
Enable this high speed counter	0	**Enable this high speed counter**	0	**Enable this high speed counter**	0
High speed counters (HSC)\HSC1\General\Project information					
Name	HSC_1	**Comment**		**Name**	HSC_2
Comment		**Name**	HSC_3	**Comment**	
Name	HSC_4	**Comment**		**Name**	HSC_5
Comment		**Name**	HSC_6	**Comment**	
High speed counters (HSC)\HSC1\I/O addresses\Input addresses					
Start address	1000.0	**End address**	1003.7	**Start address**	1004.0
End address	1007.7	**Process image**	Cyclic PI	**Start address**	1008.0
End address	1011.7	**Process image**	Cyclic PI	**Start address**	1012.0
End address	1015.7	**Process image**	Cyclic PI	**Start address**	1016.0
End address	1019.7	**Process image**	Cyclic PI	**Start address**	1020.0

End address	1023.7	**Process image**	Cyclic PI	**Process image**	Cyclic PI
High speed counters (HSC)\HSC1\Hardware identifier\Hardware identifier					
Hardware identifier	257	**Hardware identifier**	258	**Hardware identifier**	259
Hardware identifier	260	**Hardware identifier**	261	**Hardware identifier**	262
Pulse generators (PTO/PWM)\PTO1/PWM1\General\Enable					
Enable this pulse generator	0	**Enable this pulse generator**	0		
Pulse generators (PTO/PWM)\PTO1/PWM1\General\Project information					
Name	Pulse_1	**Comment**		**Name**	Pulse_2
Comment					
Pulse generators (PTO/PWM)\PTO1/PWM1\I/O addresses\Output addresses					
Start address	1000.0	**End address**	1001.7	**Start address**	1002.0
End address	1003.7	**Process image**	Cyclic PI	**Process image**	Cyclic PI
Pulse generators (PTO/PWM)\PTO1/PWM1\Hardware identifier\Hardware identifier					
Hardware identifier	265	**Hardware identifier**	266		
Startup					
Startup after POWER ON	Warm restart - mode before POWER OFF	**Comparison preset to actual configuration**	Startup CPU even if mismatch	**Configuration time**	60000ms
Cycle					
Cycle monitoring time	150ms			**Enable minimum cycle time for cyclic OBs**	0
Minimum cycle time	1ms				
Communication load					
Cycle load due to communication	20%				
System and clock memory\System memory bits					
Enable the use of system memory byte	0	**Address of system memory byte (MBx)**	1	**First cycle**	
Diagnostic status changed		**Always 1 (high)**		**Always 0 (low)**	
System and clock memory\Clock memory bits					
Enable the use of clock memory byte	0	**Address of clock memory byte (MBx)**	0	**10 Hz clock**	
5 Hz clock		**2.5 Hz clock**		**2 Hz clock**	
1.25 Hz clock		**1 Hz clock**		**0.625 Hz clock**	
0.5 Hz clock					
Web server\General					
Activate web server on this module	False	**Permit access only with HTTPS**	False		
Web server\Automatic update					
Enable automatic update	True	**Update interval**	0s		
Web server\ParameterWebServerUserDefinedWebPagesMenu					
ParameterWebServerUserDefinedWebPagesMenu was not filled by one ACF					
Overview of addresses\Overview of addresses\Overview of addresses					
Inputs	True	**Outputs**	True	**Address gaps**	False
Slot	True				

Type	Addr. from	Addr. to	Module	PIP	Device name	Device number	Size	Master / IO system	Rack	Slot
I	0	0	DI 8/DQ 6_1	-	PLC_1 [CPU 1212C AC/DC/Rly]	-	1 Bytes	-	0	1 1
O	0	0	DI 8/DQ 6_1	-	PLC_1 [CPU 1212C AC/DC/Rly]	-	1 Bytes	-	0	1 1
I	64	67	AI 2_1	-	PLC_1 [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 2
I	1000	1003	HSC_1	-	PLC_1 [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 16
I	1004	1007	HSC_2	-	PLC_1 [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 17
I	1008	1011	HSC_3	-	PLC_1 [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 18
I	1012	1015	HSC_4	-	PLC_1 [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 19
I	1016	1019	HSC_5	-	PLC_1 [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 20
I	1020	1023	HSC_6	-	PLC_1 [CPU 1212C AC/DC/Rly]	-	4 Bytes	-	0	1 21
O	1000	1001	Pulse_1	-	PLC_1 [CPU 1212C AC/DC/Rly]	-	2 Bytes	-	0	1 32
O	1002	1003	Pulse_2	-	PLC_1 [CPU 1212C AC/DC/Rly]	-	2 Bytes	-	0	1 33
O	1004	1005	Pulse_3	-	PLC_1 [CPU 1212C AC/DC/Rly]	-	2 Bytes	-	0	1 34
O	1006	1007	Pulse_4	-	PLC_1 [CPU 1212C AC/DC/Rly]	-	2 Bytes	-	0	1 35

Time of day\Local time					
Time zone	(UTC +01:00) Berlin, Bern, Brussels, Rome, Stockholm, Vienna				
Time of day\Daylight saving time					
Activate daylight saving time	0	**Difference between standard and daylight saving time**	60mins		
Time of day\Daylight saving time\Start of daylight saving time					
Starting week of the month:	Last		Sunday	**of**	March
at	01:00 a.m.				
Time of day\Daylight saving time\Start of standard time					
	Last		Sunday	**of**	October
at	02:00 a.m.				
Protection					
Level of protection	No protection				
Protection\Password for read/write access					
Password		**Confirm password**			
Connection resources					
PG communication:	1	**OP communication:**	1	**S7 basic communication:**	0
S7 communication:	0	**Maximum number of S7 connection resources:**	32		
Anchor (AddressesOverviewMenu)					
The AddressesOverviewMenu was not filled by some ACF					

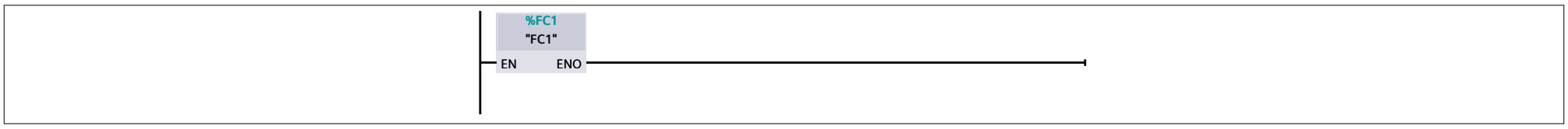
SCADA_Data / PLC_1 [CPU 1212C AC/DC/Rly] / Program blocks

Main [OB1]

Main Properties							
General							
Name	Main	**Number**	1	**Type**	OB	**Language**	LAD
Numbering	Automatic						
Information							
Title	"Main Program Sweep (Cycle)"	**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

Name	Data type	Default value
Temp		
Constant		

Network 1:



SCADA_Data / PLC_1 [CPU 1212C AC/DC/Rly] / Program blocks

FC1 [FC1]

FC1 Properties							
General							
Name	FC1	**Number**	1	**Type**	FC	**Language**	LAD
Numbering	Automatic						
Information							
Title	Monitoraggio Temperatura SCADA	**Author**		**Comment**	L'obbiettivo dell'esercizio coincide con l'attivazione di 3 uscite digitali dipendentemente da: - %Q0.0 : Attivazione manuale tramite Sinottico SCADA, HMI o agendo manualmente sul DI 0.0; - %Q0.1 : Attivazione automatica al superamento della soglia superiore "UpperLimit" preimpostata nel DB1. - %Q0.2 : Attivazione automatica al superamento della soglia inferiore "LowerLimit" preimpostata nel DB1. E' previsto il monitoraggio completo sul lato HMI, mentre sul sinottico SCADA il focus è centrato sulla variazione nel tempo della temperatura e sul controllo della DQ 0.0.	**Family**	
Version	0.1	**User-defined ID**					

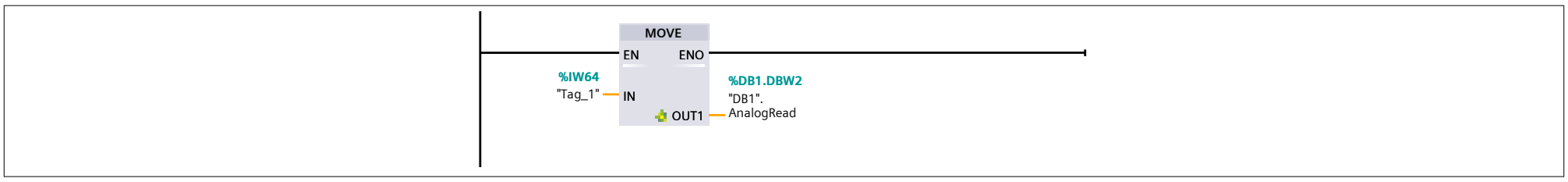
Name	Data type	Default value
Input		
Output		
InOut		
Temp		
Constant		
▼ Return		
FC1	Void	

Network 1: Controllo DQ 0.0

Vengono posti in parallelo i contanti normally opened (N.O.) al fine che ognuno abbia lo stesso effeto "eco" sulle 3 bobine rispettivamente collegate a:
- Pilot Light HMI;
- Pilot Light SCADA;
- %Q0.0.

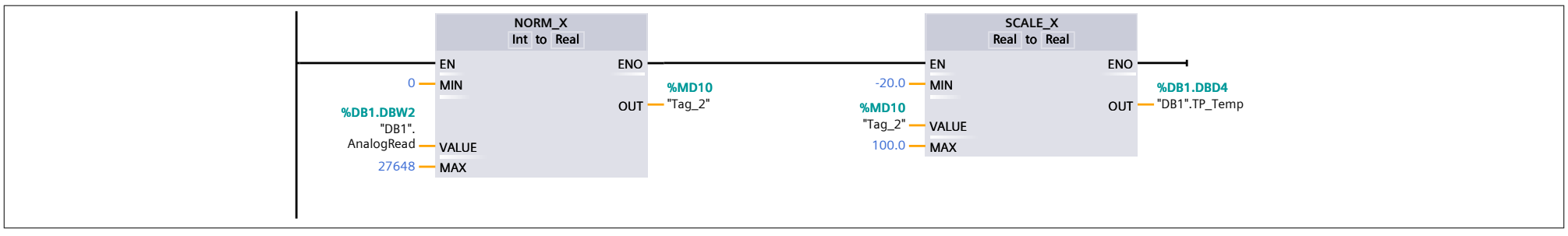
Network 2: Salvataggio della lettura analogica del sensore di temperatura simulato

Si preleva dalla %IW64 la lettura analogica del sensore di temperatura simulato usando un trimmer e la si salva tramite un MOVE nel DB1 all'interno di "AnalogRead". Questa verrà Normalizzata e Scalata nel Network 3.

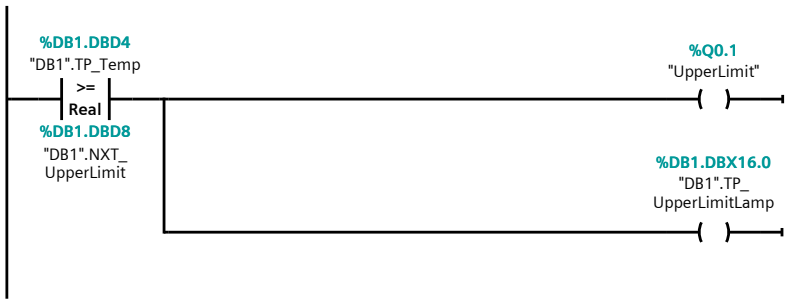


Network 3: NORM_X e SCALE_X di "AnalogRead"

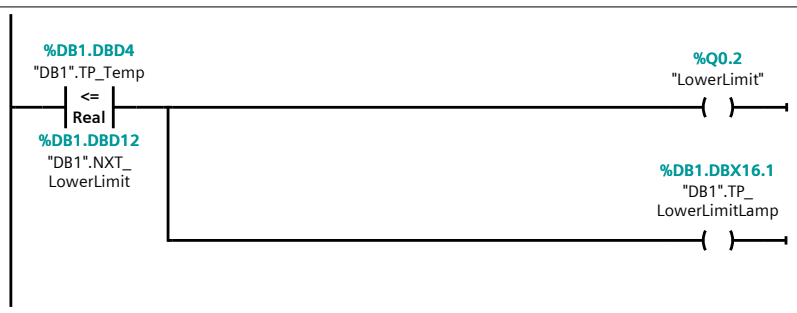
Dal momento che gli ingressi analogici vengono acquisiti da un ADC a 12 bit è necessario normalizzare il dato grezzo fornito dalla lettura tra 0 e 27648 (valore di fondo scala dell' AnalogDigitalConverter) e successivamente scalarlo per adeguarlo al range di temperatura di interesse.
Il dato lavorato viene salvato all'interno di "TP_Temp" nel DB1.



Network 4: Comparazione di "TP_Temp" con "UpperLimit"



Network 5: Comparazione di "TP_Temp" con "LowerLimit"



SCADA_Data / PLC_1 [CPU 1212C AC/DC/Rly] / Program blocks

DB1 [DB1]

DB1 Properties							
General							
Name	DB1	**Number**	1	**Type**	DB	**Language**	DB
Numbering	Automatic						
Information							
Title		**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

Name	Data type	Start value	Retain
▼ Static			
NXT_Button	Bool	false	False
TP_Button	Bool	false	False
NXT_Lamp	Bool	false	False
TP_Lamp	Bool	false	False
AnalogRead	Word	16#0	False
TP_Temp	Real	0.0	False
NXT_UpperLimit	Real	50.0	False
NXT_LowerLimit	Real	0.0	False
TP_UpperLimitLamp	Bool	false	False
TP_LowerLimitLamp	Bool	false	False

SCADA_Data / PLC_1 [CPU 1212C AC/DC/Rly]

Technology objects

This folder is empty.

SCADA_Data / PLC_1 [CPU 1212C AC/DC/Rly] / PLC tags / Default tag table [22]

PLC tags

PLC tags				
	Name	**Data type**	**Address**	**Retain**
	HD_Button	Bool	%I0.0	False
	HD_Output	Bool	%Q0.0	False
	Tag_1	Word	%IW64	False
	Tag_2	Real	%MD10	False
	UpperLimit	Bool	%Q0.1	False
	LowerLimit	Bool	%Q0.2	False

SCADA_Data / PLC_1 [CPU 1212C AC/DC/Rly] / PLC tags / Default tag table [22]

User constants

User constants			
	Name	Data type	Value

SCADA_Data / PLC_1 [CPU 1212C AC/DC/Rly]

PLC data types

This folder is empty.

SCADA_Data / PLC_1 [CPU 1212C AC/DC/Rly] / Watch and force tables

Force table

Name	Address	Display format	Force value

SCADA_Data / PLC_1 [CPU 1212C AC/DC/Rly]

PLC alarm text lists

This folder is empty.

SCADA_Data / PLC_1 [CPU 1212C AC/DC/Rly]

Local modules

This folder is empty.

SCADA_Data

Supervisor [KTP400 Basic color PN]

Supervisor	
General	
Name	Supervisor

SCADA_Data / Supervisor [KTP400 Basic color PN]

Runtime settings

General

Start screen	Screen_1	**Default template**		**Screen resolution**	480, 272
Project ID	0				

Screens

Bit selection for text and graphic lists	Off	**User-defined pictogram size**	Unchecked	**X,Y:**	63, 45

Keyboard

Use screen keyboard	Checked	**Release button on exit**	Unchecked	**Disable dialog window function keys**	Unchecked

Alarms

Controller alarms

Buffer overflow	10 %	**Acknowledgment group text**	QGR	**Use alarm class color**	Unchecked
Use help texts for system diagnostics	Checked	**System event duration**	2 Seconds	**Connection**	HMI_Connection_1

User administration

Enable limit for logon attempts	Checked	**Invalid logon attempts**	3	**Logon with password**	Unchecked
Group-specific rights	Unchecked	**Password aging**	Unchecked	**Validity period**	90
Warning period	7	**Password generations**	3	**At least one special character**	Unchecked
At least one number	Unchecked	**Minimum password length**	3		

Language & font

Preset runtime language	English (United States)

English (United States)

Runtime language	Checked	**Fixed font 1**	Tahoma	**Default font**	Tahoma, 11 Pixel
Configured font 1					

SCADA_Data / Supervisor [KTP400 Basic color PN] / Screens

Screen_1

Hardcopy of Screen_1

Name	Screen_1	**Background color**	255, 255, 255	**Grid color**	255, 255, 255
Number	1	**Template**		**Tooltip**	

Text field_1

Type	Text field	**Name**	Text field_1	**X position**	0
Y position	0	**Width**	240	**Height**	40
Layer	0 - Layer_0	**Font**	Tahoma, 25px, style=Bold	**Text**	INPUTS

Text field_2

Type	Text field	**Name**	Text field_2	**X position**	240
Y position	0	**Width**	240	**Height**	40
Layer	0 - Layer_0	**Font**	Tahoma, 25px, style=Bold	**Text**	OUTPUTS

PlotLight_Round_R

Type	Graphic I/O field	**Name**	PlotLight_Round_R	**X position**	400
Y position	66	**Width**	30	**Height**	30
Layer	0 - Layer_0	**Mode**	Two states	**Graphic list**	
Dynamizations\Tag connection					
Property name	Process value	**Tag**	HD_Output		

PlotLight_Round_G_3

Type	Graphic I/O field	**Name**	PlotLight_Round_G_3	**X position**	172
Y position	65	**Width**	30	**Height**	30
Layer	0 - Layer_0	**Mode**	Two states	**Graphic list**	
Dynamizations\Tag connection					
Property name	Process value	**Tag**	HD_Button		

Text field_5

Type	Text field	**Name**	Text field_5	**X position**	63
Y position	65	**Width**	100	**Height**	30
Layer	0 - Layer_0	**Font**	Tahoma, 13px, style=Bold	**Text**	HD Button

PlotLight_Round_G_4

Type	Graphic I/O field	**Name**	PlotLight_Round_G_4	**X position**	172
Y position	108	**Width**	30	**Height**	30
Layer	0 - Layer_0	**Mode**	Two states	**Graphic list**	
Dynamizations\Tag connection					
Property name	Process value	**Tag**	DB1_NXT_Button		

Text field_6

Type	Text field	**Name**	Text field_6	**X position**	63
Y position	108	**Width**	100	**Height**	30
Layer	0 - Layer_0	**Font**	Tahoma, 13px, style=Bold	**Text**	NXT Button

PlotLight_Round_G_5

Type	Graphic I/O field	**Name**	PlotLight_Round_G_5	**X position**	172
Y position	149	**Width**	30	**Height**	30
Layer	0 - Layer_0	**Mode**	Two states	**Graphic list**	
Dynamizations\Tag connection					
Property name	Process value	**Tag**	DB1_TP_Button		

Button_2

Type	Button	**Name**	Button_2	**X position**	63
Y position	149	**Width**	100	**Height**	30
Mode	Text	**Text OFF**	HMI Button	**Text ON**	Text

Dynamizations\Event	
Event name	Press

Function list\SetBit

Tag	DB1_TP_Button

Dynamizations\Event	
Event name	Release

Function list\ResetBit

Tag	DB1_TP_Button

Text field_3

Type	Text field	**Name**	Text field_3	**X position**	293
Y position	66	**Width**	100	**Height**	30
Layer	0 - Layer_0	**Font**	Tahoma, 13px, style=Bold	**Text**	HD Output

Text field_4

Type	Text field	**Name**	Text field_4	**X position**	293
Y position	109	**Width**	100	**Height**	30
Layer	0 - Layer_0	**Font**	Tahoma, 13px, style=Bold	**Text**	NXT Lamp

PlotLight_Round_R_1

Type	Graphic I/O field	**Name**	PlotLight_Round_R_1	**X position**	400
Y position	109	**Width**	30	**Height**	30
Layer	0 - Layer_0	**Mode**	Two states	**Graphic list**	
Dynamizations\Tag connection					
Property name	Process value	**Tag**	DB1_NXT_Lamp		

PlotLight_Round_R_2

Type	Graphic I/O field	**Name**	PlotLight_Round_R_2	**X position**	400
Y position	150	**Width**	30	**Height**	30
Layer	0 - Layer_0	**Mode**	Two states	**Graphic list**	
Dynamizations\Tag connection					
Property name	Process value	**Tag**	DB1_TP_Lamp		

Text field_7

Type	Text field	**Name**	Text field_7	**X position**	293
Y position	150	**Width**	100	**Height**	30
Layer	0 - Layer_0	**Font**	Tahoma, 13px, style=Bold	**Text**	HMI Lamp

Line_1

Type	Line	**Name**	Line_1	**X position**	240
Y position	0	**Width**	0	**Height**	275
Layer	0 - Layer_0	**Line width**	3	**Color**	0, 0, 0
Background color	255, 255, 255				

Text field_8

Type	Text field	**Name**	Text field_8	**X position**	265
Y position	191	**Width**	130	**Height**	30
Layer	0 - Layer_0	**Font**	Tahoma, 13px, style=Bold	**Text**	Temperature [C°]

I/O field_1

Type	I/O field	**Name**	I/O field_1	**X position**	395
Y position	191	**Width**	60	**Height**	30
Layer	0 - Layer_0	**Mode**	Output	**Font**	Tahoma, 13px, style=Bold
Dynamizations\Tag connection					
Property name	Process value	**Tag**	DB1_TP_Temp		
Dynamizations\Appearance					
Tag - Cycle	DB1_TP_Temp -	**Data type**	Range	**Range**	-20..10
Foreground color	36, 36, 36	**Background color**	182, 255, 250	**Flashing**	No
Range	11..50	**Foreground color**	36, 36, 36	**Background color**	0, 255, 31

Flashing	No	**Range**	51..100	**Foreground color**	36, 36, 36
Background color	255, 145, 40	**Flashing**	No		

PlotLight_Round_G_1

Type	Graphic I/O field	**Name**	PlotLight_Round_G_1	**X position**	263
Y position	230	**Width**	30	**Height**	30
Layer	0 - Layer_0	**Mode**	Two states	**Graphic list**	
Dynamizations\Tag connection					
Property name	Process value	**Tag**	DB1_TP_LowerLimitLamp		

PlotLight_Round_R_3

Type	Graphic I/O field	**Name**	PlotLight_Round_R_3	**X position**	425
Y position	229	**Width**	30	**Height**	30
Layer	0 - Layer_0	**Mode**	Two states	**Graphic list**	
Dynamizations\Tag connection					
Property name	Process value	**Tag**	DB1_TP_UpperLimitLamp		

Text field_9

Type	Text field	**Name**	Text field_9	**X position**	296
Y position	230	**Width**	25	**Height**	30
Layer	0 - Layer_0	**Font**	Tahoma, 13px, style=Bold	**Text**	▼

Text field_10

Type	Text field	**Name**	Text field_10	**X position**	395
Y position	230	**Width**	25	**Height**	30
Layer	0 - Layer_0	**Font**	Tahoma, 13px, style=Bold	**Text**	▲

SCADA_Data / Supervisor [KTP400 Basic color PN] / Screen management

Templates

This folder is empty.

SCADA_Data / Supervisor [KTP400 Basic color PN] / Screen management

Global screen

Hardcopy of Global screen

Name	Global screen	**Background color**	182, 182, 182	**Grid color**	0, 0, 0

SCADA_Data / Supervisor [KTP400 Basic color PN] / HMI tags

Default tag table [9]

HD_Button

Name	HD_Button	**Address**		**Connection**	HMI_Connection_1
Data type	Bool	**Length**	1		

HD_Button

DB1_NXT_Lamp

Name	DB1_NXT_Lamp	**Address**		**Connection**	HMI_Connection_1
Data type	Bool	**Length**	1		

DB1_TP_Button

Name	DB1_TP_Button	**Address**		**Connection**	HMI_Connection_1
Data type	Bool	**Length**	1		

HD_Output

Name	HD_Output	**Address**		**Connection**	HMI_Connection_1
Data type	Bool	**Length**	1		

HD_Output

DB1_TP_Lamp

Name	DB1_TP_Lamp	**Address**		**Connection**	HMI_Connection_1
Data type	Bool	**Length**	1		

DB1_NXT_Button

Name	DB1_NXT_Button	**Address**		**Connection**	HMI_Connection_1
Data type	Bool	**Length**	1		

DB1_TP_Temp

Name	DB1_TP_Temp	**Address**		**Connection**	HMI_Connection_1
Data type	Real	**Length**	4		

DB1_TP_LowerLimitLamp

Name	DB1_TP_LowerLimitLamp	**Address**		**Connection**	HMI_Connection_1
Data type	Bool	**Length**	1		

DB1_TP_UpperLimitLamp

Name	DB1_TP_UpperLimitLamp	**Address**		**Connection**	HMI_Connection_1
Data type	Bool	**Length**	1		

SCADA_Data / Supervisor [KTP400 Basic color PN]

Connections

HMI_Connection_1

Name	HMI_Connection_1	**Communication driver**	SIMATIC S7 1200	**Comment**	

SCADA_Data / Supervisor [KTP400 Basic color PN] / HMI alarms

Discrete alarms

This folder is empty.

SCADA_Data / Supervisor [KTP400 Basic color PN] / HMI alarms

Analog alarms

This folder is empty.

SCADA_Data / Supervisor [KTP400 Basic color PN] / HMI alarms

Alarm groups

Alarm_group_1

Name	Alarm_group_1	**ID**	1

Alarm_group_10

Name	Alarm_group_10	**ID**	10

Alarm_group_11

Name	Alarm_group_11	**ID**	11

Alarm_group_12

Name	Alarm_group_12	**ID**	12

Alarm_group_13

Name	Alarm_group_13	**ID**	13

Alarm_group_14

Name	Alarm_group_14	**ID**	14

Alarm_group_15

Name	Alarm_group_15	**ID**	15

Alarm_group_16

Name	Alarm_group_16	**ID**	16

Alarm_group_2

Name	Alarm_group_2	**ID**	2

Alarm_group_3

Name	Alarm_group_3	**ID**	3

Alarm_group_4

Name	Alarm_group_4	**ID**	4

Alarm_group_5

Name	Alarm_group_5	**ID**	5

Alarm_group_6

Name	Alarm_group_6	**ID**	6

Alarm_group_7

Name	Alarm_group_7	**ID**	7

Alarm_group_8

Name	Alarm_group_8	**ID**	8

Alarm_group_9

Name	Alarm_group_9	**ID**	9

SCADA_Data / Supervisor [KTP400 Basic color PN] / HMI alarms

Alarm classes

Acknowledgement

Name	Acknowledgement	**Display name**	A	**ID**	33

Errors

Name	Errors	**Display name**	!	**ID**	1

No Acknowledgement

Name	No Acknowledgement	**Display name**	NA	**ID**	34

System

Name	System	**Display name**	$	**ID**	3

Warnings

Name	Warnings	**Display name**		**ID**	2

SCADA_Data / Supervisor [KTP400 Basic color PN] / HMI alarms

System events

This folder is empty.

SCADA_Data / Supervisor [KTP400 Basic color PN]

Recipes

This folder is empty.

SCADA_Data / Supervisor [KTP400 Basic color PN]

Scheduled tasks

This folder is empty.

SCADA_Data / Supervisor [KTP400 Basic color PN] / Text and graphic lists

Text lists

This folder is empty.

SCADA_Data / Supervisor [KTP400 Basic color PN] / Text and graphic lists

Graphic lists

This folder is empty.

SCADA_Data / Supervisor [KTP400 Basic color PN] / User administration

User

Administrator

Name	Administrator	**Number**	1	**Automatic logoff**	Checked
Logoff time	5	**Groups**	Administrator group;		

SCADA_Data / Supervisor [KTP400 Basic color PN] / User administration

Groups

Administrator group

Name	Administrator group	**Display name**	Administrator group	**Number**	1
Authorizations	User administration; Monitor; Operate;				

Users

Name	Users	**Display name**	Users	**Number**	2
Authorizations	Operate;				

SCADA_Data / Supervisor [KTP400 Basic color PN] / User administration

Authorizations

Monitor

Name	Monitor	**Authorization**	Monitor	**Authorization number**	2

Operate

Name	Operate	**Authorization**	Operate	**Authorization number**	3

User administration

Name	User administration	**Authorization**	User administration	**Authorization number**	1

SCADA_Data

Ungrouped devices

This folder is empty.

SCADA_Data / Common data

Alarm classes

Alarm classes			
Name	**Display name**	**Acknowledgment**	**Priority**
Acknowledgement	A	True	0
No Acknowledgement	NA	False	0

SCADA_Data / Common data

Logs

This folder is empty.

SCADA_Data / Languages & resources

Project languages

Languages
Reference language
English (United States)

Editing language
English (United States)

Other project languages
Empty

SCADA_Data / Languages & resources / Project texts

Project texts

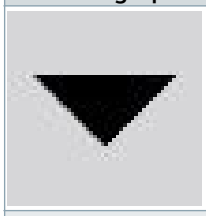
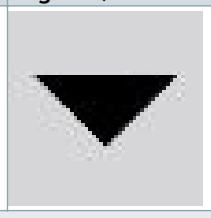
Project texts		
English (United States)	**Category**	**Reference**
	Alarm class text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Errors\alarmclass name not set \ShortName
	Alarm class text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Warnings\alarmclass name not set_1\ShortName
	Alarm class text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\System\alarmclass name not set_2\ShortName
	Alarm class text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Diagnosis events\alarmclass name not set_3\ShortName
	Alarm class text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Safety warnings\alarmclass name not set_4\ShortName
	Alarm class text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Acknowledgement\\ShortName
	Alarm class text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\No Acknowledgement\\Short-Name
	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Warnings\alarmclass name not set_1\AlarmClassData_IDisplayNaming_DisplayName
	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Acknowledgement\\AlarmClass-Data_IDisplayNaming_DisplayName
	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\No Acknowledgement\\Alarm-ClassData_IDisplayNaming_DisplayName
!	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Errors\alarmclass name not set \AlarmClassData_IDisplayNaming_DisplayName
!!	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Safety warnings\alarmclass name not set_4\AlarmClassData_IDisplayNaming_DisplayName
"Main Program Sweep (Cycle)"	Block comment	SCADA_Data\PLC_1 [CPU 1212C AC/DC/Rly]\Program blocks\Main [OB1]\Block title
$	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\System\alarmclass name not set_2\AlarmClassData_IDisplayNaming_DisplayName
▲	HMI screen	SCADA_Data\Supervisor [KTP400 Basic color PN]\Screens\Screen_1\Text field_10\Text
▼	HMI screen	SCADA_Data\Supervisor [KTP400 Basic color PN]\Screens\Screen_1\Text field_9\Text
A	Alarm class text	SCADA_Data\Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
A	Alarm class text	SCADA_Data\Acknowledgement\ShortName
A	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Errors\AcknowledgedText
A	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Warnings\AcknowledgedText
A	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\System\AcknowledgedText
A	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Diagnosis events\Acknowledged-Text
A	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Safety warnings\Acknowledged-Text
A	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Acknowledgement\AcknowledgedText
A	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\No Acknowledgement\AcknowledgedText
Activates remote authorization for the use of client-server scenarios.	HMI comment	SCADA_Data\Supervisor [KTP400 Basic color PN]\User administration\Enable remote control \Comment
Administrator group	HMI runtime	SCADA_Data\Supervisor [KTP400 Basic color PN]\User administration\Administrator group\DisplayName
Authorization 'User administration' for managing users in the user view in Runtime.	HMI comment	SCADA_Data\Supervisor [KTP400 Basic color PN]\User administration\User administration\Comment
Comparazione di "TP_Temp" con "LowerLimit"	Block comment	SCADA_Data\PLC_1 [CPU 1212C AC/DC/Rly]\Program blocks\FC1 [FC1]\Network 5\Network title
Comparazione di "TP_Temp" con "UpperLimit"	Block comment	SCADA_Data\PLC_1 [CPU 1212C AC/DC/Rly]\Program blocks\FC1 [FC1]\Network 4\Network title
Controllo DQ 0.0	Block comment	SCADA_Data\PLC_1 [CPU 1212C AC/DC/Rly]\Program blocks\FC1 [FC1]\Network 1\Network title
Dal momento che gli ingressi analogici vengono acquisiti da un ADC a 12 bit è necessario normalizzare il dato grezzo fornito dalla lettura tra 0 e 27648 (valore di fondo scala dell' AnalogDigitalConverter) e successivamente scalarlo per adeguarlo al range di temperatura di interesse. Il dato lavorato viene salvato all'interno di "TP_Temp" nel DB1.	Block comment	SCADA_Data\PLC_1 [CPU 1212C AC/DC/Rly]\Program blocks\FC1 [FC1]\Network 3\Network comment
HD Button	HMI screen	SCADA_Data\Supervisor [KTP400 Basic color PN]\Screens\Screen_1\Text field_5\Text
HD Output	HMI screen	SCADA_Data\Supervisor [KTP400 Basic color PN]\Screens\Screen_1\Text field_3\Text
HMI Button	HMI screen	SCADA_Data\Supervisor [KTP400 Basic color PN]\Screens\Screen_1\Button_2\Text OFF
HMI Lamp	HMI screen	SCADA_Data\Supervisor [KTP400 Basic color PN]\Screens\Screen_1\Text field_7\Text
I	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Errors\ComingText
I	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Warnings\ComingText
I	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\System\ComingText
I	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Diagnosis events\ComingText
I	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Safety warnings\ComingText
I	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Acknowledgement\ComingText
I	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\No Acknowledgement\Coming-Text
INPUTS	HMI screen	SCADA_Data\Supervisor [KTP400 Basic color PN]\Screens\Screen_1\Text field_1\Text
IO	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Errors\ComingGoingText
IO	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Warnings\ComingGoingText
IO	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\System\ComingGoingText
IO	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Diagnosis events\ComingGoing-Text
IO	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Safety warnings\ComingGoing-Text
IO	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Acknowledgement\Coming-GoingText
IO	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\No Acknowledgement\Coming-GoingText

English (United States)	Category	Reference
Lettura analogica %IW64 da normalizzare e scalare	Block comment	AnalogRead
L'obbiettivo dell'esercizio coincide con l'attivazione di 3 uscite digitali dipendentemente da: - %Q0.0 : Attivazione manuale tramite Sinottico SCADA, HMI o agendo manualmente sul DI 0.0; - %Q0.1 : Attivazione automatica al superamento della soglia superiore "UpperLimit" preimpostata nel DB1. - %Q0.2 : Attivazione automatica al superamento della soglia inferiore "LowerLimit" preimpostata nel DB1. E' previsto il monitoraggio completo sul lato HMI, mentre sul sinottico SCADA il focus è centrato sulla variazione nel tempo della temperatura e sul controllo della DQ 0.0.	Block comment	SCADA_Data\PLC_1 [CPU 1212C AC/DC/Rly]\Program blocks\FC1 [FC1]\Block comment
Monitor	HMI runtime	SCADA_Data\Supervisor [KTP400 Basic color PN]\User administration\Monitor\ShortName
'Monitor' authorization.	HMI comment	SCADA_Data\Supervisor [KTP400 Basic color PN]\User administration\Monitor\Comment
Monitoraggio Temperatura SCADA	Block comment	SCADA_Data\PLC_1 [CPU 1212C AC/DC/Rly]\Program blocks\FC1 [FC1]\Block title
NA	Alarm class text	SCADA_Data\No Acknowledgement\AlarmClassData_IDisplayNaming_DisplayName
NA	Alarm class text	SCADA_Data\No Acknowledgement\ShortName
NORM_X e SCALE_X di "AnalogRead"	Block comment	SCADA_Data\PLC_1 [CPU 1212C AC/DC/Rly]\Program blocks\FC1 [FC1]\Network 3\Network title
NORM_X e SCALE_X di "AnalogRead"	Block comment	TP_Temp
NXT Button	HMI screen	SCADA_Data\Supervisor [KTP400 Basic color PN]\Screens\Screen_1\Text field_6\Text
NXT Lamp	HMI screen	SCADA_Data\Supervisor [KTP400 Basic color PN]\Screens\Screen_1\Text field_4\Text
O	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Errors\GoingText
O	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Warnings\GoingText
O	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\System\GoingText
O	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Warnings\GoingText
O	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\System\GoingText
O	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Diagnosis events\GoingText
O	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Safety warnings\GoingText
O	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Acknowledgement\GoingText
O	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\No Acknowledgement\GoingText
Operate	HMI runtime	SCADA_Data\Supervisor [KTP400 Basic color PN]\User administration\Operate\ShortName
'Operate' authorization.	HMI comment	SCADA_Data\Supervisor [KTP400 Basic color PN]\User administration\Operate\Comment
OUTPUTS	HMI screen	SCADA_Data\Supervisor [KTP400 Basic color PN]\Screens\Screen_1\Text field_2\Text
Pilot Light relativa all'uscita %Q0.0 sul sinottico SCADA	Block comment	NXT_Lamp
Pilot Light relativa all'uscita %Q0.0 sull'HMI	Block comment	TP_Lamp
Pilot Light relativa all'uscita %Q0.1 sull'HMI	Block comment	TP_UpperLimitLamp
Pilot Light relativa all'uscita %Q0.2 sull'HMI	Block comment	TP_LowerLimitLamp
Pulsante di abilitazione uscita %Q0.0 sul sinottico SCADA	Block comment	NXT_Button
Pulsante di abilitazione uscita %Q0.0 sull'HMI	Block comment	TP_Button
QGR	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\Runtime settings\HmiAlarmSettingsData\AcknowledgementGroupText
S7	Alarm text	SCADA_Data\Supervisor [KTP400 Basic color PN]\HMI alarms\Diagnosis events\alarmclass name not set_3\AlarmClassData_IDisplayNaming_DisplayName
Salvataggio della lettura analogica del sensore di temperatura simulato	Block comment	SCADA_Data\PLC_1 [CPU 1212C AC/DC/Rly]\Program blocks\FC1 [FC1]\Network 2\Network title
Si preleva dalla %IW64 la lettura analogica del sensore di temperatura simulato usando un trimmer e la si salva tramite un MOVE nel DB1 all'interno di "AnalogRead". Questa verrà Normalizzata e Scalata nel Network 3.	Block comment	SCADA_Data\PLC_1 [CPU 1212C AC/DC/Rly]\Program blocks\FC1 [FC1]\Network 2\Network comment
Temperature [C°]	HMI screen	SCADA_Data\Supervisor [KTP400 Basic color PN]\Screens\Screen_1\Text field_8\Text
Text	HMI screen	SCADA_Data\Supervisor [KTP400 Basic color PN]\Screens\Screen_1\Button_2\Text ON
The 'Administrator' group is initially granted all rights.	HMI comment	SCADA_Data\Supervisor [KTP400 Basic color PN]\User administration\Administrator group \Comment
The user 'Administrator' is assigned to the 'Administrator' group.	HMI comment	SCADA_Data\Supervisor [KTP400 Basic color PN]\User administration\Administrator\Comment
The 'Users' group is initially granted 'Operating' rights.	HMI comment	SCADA_Data\Supervisor [KTP400 Basic color PN]\User administration\Users\Comment
Up-on su superamento soglia: %Q0.1 , "TP_UpperLimitLamp"	Block comment	NXT_UpperLimit
Up-on su superamento soglia: %Q0.2 , "TP_LowerLimitLamp"	Block comment	NXT_LowerLimit
User administration	HMI runtime	SCADA_Data\Supervisor [KTP400 Basic color PN]\User administration\User administration \ShortName
Users	HMI runtime	SCADA_Data\Supervisor [KTP400 Basic color PN]\User administration\Users\DisplayName
Vengono posti in parallelo i contanti normally opened (N.O.) al fine che ognuno abbia lo stesso effeto "eco" sulle 3 bobine rispettivamente collegate a: - Pilot Light HMI; - Pilot Light SCADA; - %Q0.0.	Block comment	SCADA_Data\PLC_1 [CPU 1212C AC/DC/Rly]\Program blocks\FC1 [FC1]\Network 1\Network comment
Web access - view only. Authorization for the use of Web Navigator and for client-server systems.	HMI comment	SCADA_Data\Supervisor [KTP400 Basic color PN]\User administration\Web access - view only \Comment

SCADA_Data / Languages & resources

Project graphics

Down_Arrow

Standard graphic	English (United States)
	
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Smoothing	
Unchecked	Unchecked

Home

Standard graphic	English (United States)
	
Dithering mode	
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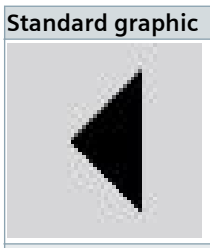
Smoothing	
Unchecked	Unchecked

Left_Arrow

Standard graphic	English (United States)
	
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Smoothing	
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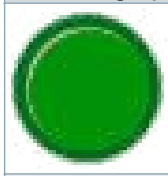
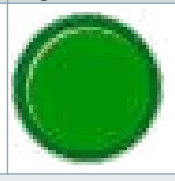
PilotLight_Round_G_Off_256c

Standard graphic	English (United States)
	
Dithering mode	
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PilotLight_Round_G_On_256c

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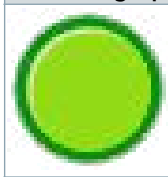	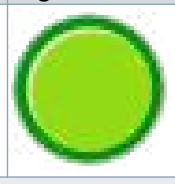
Dithering mode	
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Smoothing	
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PilotLight_Round_R_Off_256c

Standard graphic	English (United States)
	
Dithering mode	
Same color	Same color

Standard graphic	English (United States)
▸ *Smoothing*	
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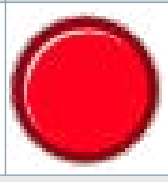
PilotLight_Round_R_On_256c

Standard graphic	English (United States)
	
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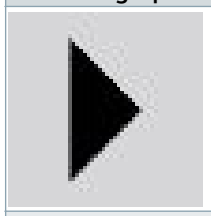
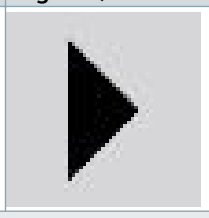
Right_Arrow

Standard graphic	English (United States)
	
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▸ *Smoothing*	
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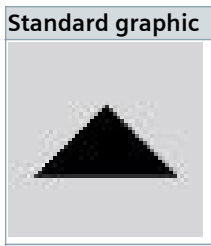
Up_Arrow

Standard graphic	English (United States)
	
▸ *Dithering mode*	
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