ProjektPIDKuligowski

Project name: Project version: Directory:

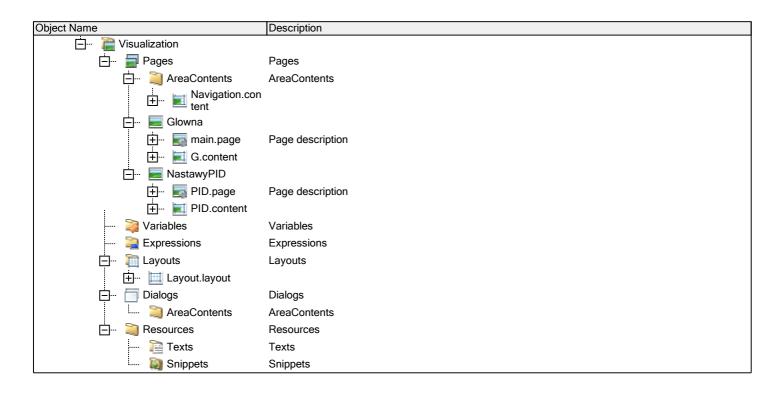
ProjektPIDKuligowski 1.00.0 C:\Projekt4\ProjektPIDKuligowski\

Description:

4.7.2.98 2021.05.27 22:18:40 Automation Studio: Date:

1 Logical View

Object Name	Description
ProjektPIDKuligowski	
🕂 📆 Global.typ	Global data types
🕂 🦪 Global.var	Global variables
⊟ 📜 Libraries	Global libraries
□ ·· □ □ operator	This library contains function interfaces for IEC 61131-3 operator functions. For the most part, these are mathematical and logical functions.
⊕ <u>∃</u> operator.fun	
🛨 📆 operator.typ	
⊕	
runtime	This library contains runtime functions for IEC tasks.
⊞ runtime.fun	
🛨 📆 runtime.typ	
⊞ 📝 runtime.var	
astime	The AsTime Library supports DATE_AND_TIME and TIME data types.
iden in	
AslecCon	This library contains function interfaces for IEC 61131-3 conversion functions.
⊞ <u>F</u> AslecCon.fun	
AslecCon.typ	
AslecCon.var	
⊟ LoopConR	This library contains control algorithms.
LoopConR.var	
⊞	
⊞ _⋒ . <u>ङ</u> LoopConR.fun	TI OVO LIDIII
⊟all sys_lib	The SYS_LIB library contains functions for memory management and operating system manipulation as well as hardware-specific functions.
⊞a.	
⊞att sys_lib.typ	
⊞ _A	The DDO story Phonor on the theory with a combine of control for the control f
brsystem	The BRSystem library provides the user with a number of system functions for e.g. handling permanent memory, accessing exception information, etc.
⊞	
由 brsystem.typ	
± → John Stranger	
MTBasics	This mechatronics library contains basic control function blocks.
⊞	
⊞a* MTBasics.typ	
⊞	T1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1
☐a MTTypes	This mechatronics library contains different system datatypes and general error numbers.
⊞ MTTypes.fun	
⊞at MTTypes.typ ⊞al MTTypes.var	
□··· ♣ Program †··· ☑ Init.st	Init code
⊕ Et Cyclic.st	Cyclic code
# Exit.st	Exit code
Types.typ	Local data types
⊕ lypes.typ ⊕ lypes.typ	Local variables
mappView	
Layouts	Layouts
Widgets	Widgets
Resources	Resources
Texts	Texts
a Snippets	Snippets
Themes	Themes
Media	Media
	· ·



Project: ProjektPIDKuligowski Global.typ

1.1 \Logical\Global.typ

Name	Туре	& Reference	I Replicable	Value	Description [1]
------	------	-------------	---------------------	-------	-----------------

1.2 \Logical\Global.var

Name	Туре	Retain	III Replicable	Value	Description [1]
TrybManual	BOOL		v		
IO_PoziomZbiornik	REAL				
IO_PoziomZadany	REAL		V		
	REAL		\Box		
IO_Start	BOOL		V		
	BOOL		V		
	BOOL		V		
	BOOL				
CV_zadane	REAL		V		
	BOOL		V		
	REAL		\Box		
[₽] ♦ Ti	REAL		V		
^ਡ ∳ Td	REAL		☑		

45

```
1.3 \Logical\Program\Init.st
1
2
3 PROGRAM _INIT
        (* Insert code here *)
(* Init variables *)
4
5
         licz := 0;
6
7
         IO_PoziomZadany
                             := 0.0;
                           := FALSE;
8
         IO_Start
                         := FALSE;
9
         paraEnter
         TrybPracy := TRUE;
10
11
         IO_Reset;
12
         IO_Stop;
13
         CV_zadane := 0;
14
         (* PID parameters *)
// W = SP, X - PV, Y - CV
15 📥
16
                                 := 10.0; //wartosc max zadana - SP
17
         PID_parametry.WX_max
18
         PID_parametry.WX_min
                                  := 0.0;
         PID_parametry.invert
19
                                   := FALSE;
         PID_parametry.deadband := 0.0;
20
         PID_parametry.dy_max := 0.
PID_parametry.dy_max := 1;
21
                                  := 0.0;
2.2
         PID_parametry.Kp
23
         Kp := 1;
         PID_parametry.Tn
                                  := 1;
24
25
         Ti := 1;
26
         PID_parametry.Tv
                                  := 1;
27
         Td := 1;
28
         PID_parametry.Tf
                                   := 0.1;
                                  := 1.0;
29
         PID_parametry.Kw
30
         PID_parametry.Kfbk
                                   := 0.0;
                                                 (* windup damping disabled *)
         PID_parametry.fbk_mode := LCRPID_FBK_MODE_INTERN;
31
32
         PID_parametry.d_mode
                                  := LCRPID_D_MODE_E;
33
         (* Parameters for PID controller *)
34
         PID_zawor.Y_max := 10.0; //
35
36
         PID_zawor.Y_min
                           := 0.0;
37
         PID_zawor.A
                            := 0.0;
                                      //feed forward - wartosc do przodu
38
         PID_zawor.Y_man
                           := 0.0;
39
         PID_zawor.Y_fbk
                            := 0.0;
40
         PID_zawor.hold_I := FALSE;
41
         PID_zawor.mode
                            := LCRPID_MODE_AUTO;
42
43
    END_PROGRAM
```

40

41 42 END_PROGRAM

```
1.4 \Logical\Program\Cyclic.st
2 PROGRAM _CYCLIC
3
         (* Insert code here *)
4
5 崫
         IF IO_Stop = TRUE THEN
              IO_Start := FALSE;
6
         END_IF;
7
8
         (* PID parameters *)
9
         PID_parametry.invert
                                   := TrybPracy; //tryb revers gdy TRYB = ON
10
                                   := IO_Start;
11
         PID_parametry.enable
12
         PID_parametry.enter
                                   := paraEnter;
13
         PID_parametry.Kp
                                    := Kp;
14
         PID_parametry.Tn
                                    := Ti;
15
         PID_parametry.Tv
                                    := Td;
         PID_parametry.Tf
                                    := 0.1*Td;
16
17
         PID_parametry();
                                     (* LCRPIDpara function block call *)
18
         paraEnter := TRUE;
19
         (* PID controller *)
PID_zawor.enable := IO_Start;
20
21
2.2
         TrybManual := NOT TrybAuto;
IF TrybAuto = TRUE THEN
23
24
                                 := LCRPID_MODE_AUTO;
25
             PID_zawor.mode
26
          ELSE
27
             PID_zawor.mode
                                := LCRPID_MODE_MAN;
:= CV_zadane;
28
              PID_zawor.Y_man
29
         END_IF;
30
         PID_zawor.ident := PID_parametry.ident; (* ident of PIDpara -> provides parameters (Kp, Tn, Tv,
31
                            := IO_PoziomZadany; //wczytanie SP - wartosci zadanej
:= IO_PoziomZbiornik; //wczytanie PV - wartosci regulowanej
         PID_zawor.W
32
         PID_zawor.X
33
                            (* LCRPID function block call *)
34
         PID zawor();
35
36
         IO_ZaworCV := PID_zawor.Y; //ustawienie CV - wartosci sterowanej
37
38
         licz := licz +1;
39
```

```
1.5 \Logical\Program\Exit.st
```

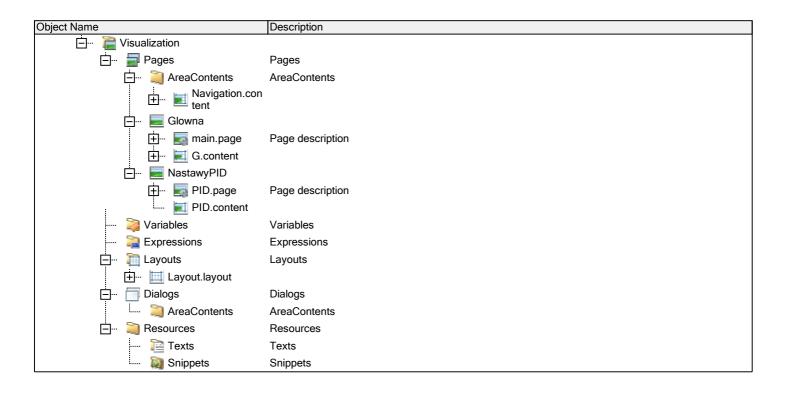
```
1
2
3  PROGRAM _EXIT
4  (* Insert code here *)
5  END_PROGRAM
7
```

1.6 \Logical\Program\Variables.var

Name	Туре	& Reference	Retai n	Replicable	Value	Description [1]
^ਡ ♦ licz	INT			V		
paraEnter	BOOL			V		
PID_zawor	LCRPID			v		
PID_parametry	LCRPIDpara			☑		

1 Logical View

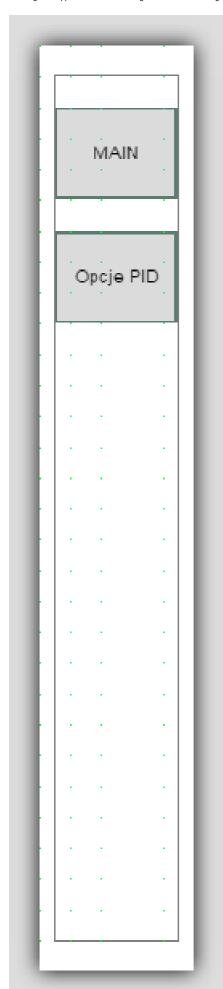
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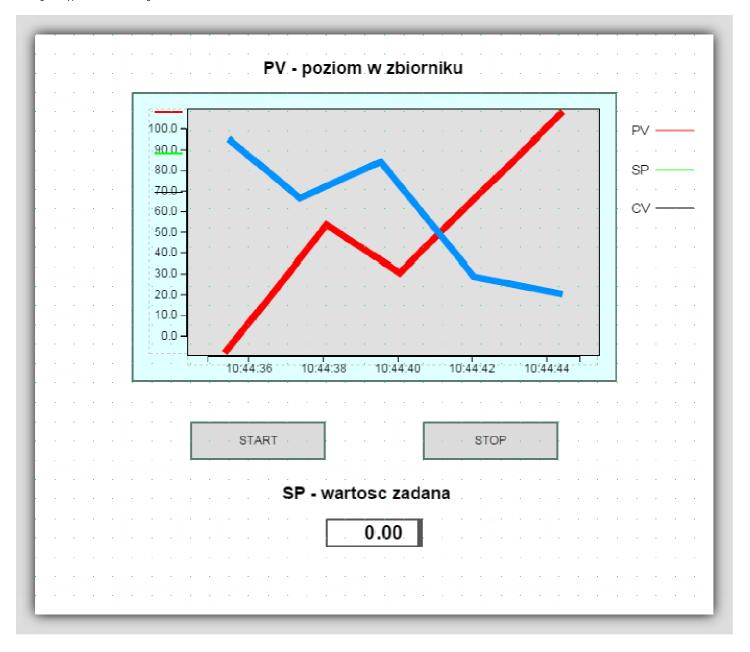
1.1 \Logical\mappView\Visualization\Pages\NastawyPID\PID.content

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•	•	•	•	•	•	•	•	•	•	•		•		•	•	•	•	•	•		•	•	•		•	•	•		•	•	•	•	•

1.1 \Logical\mappView\Visualization\Pages\AreaContents\Navigation.content

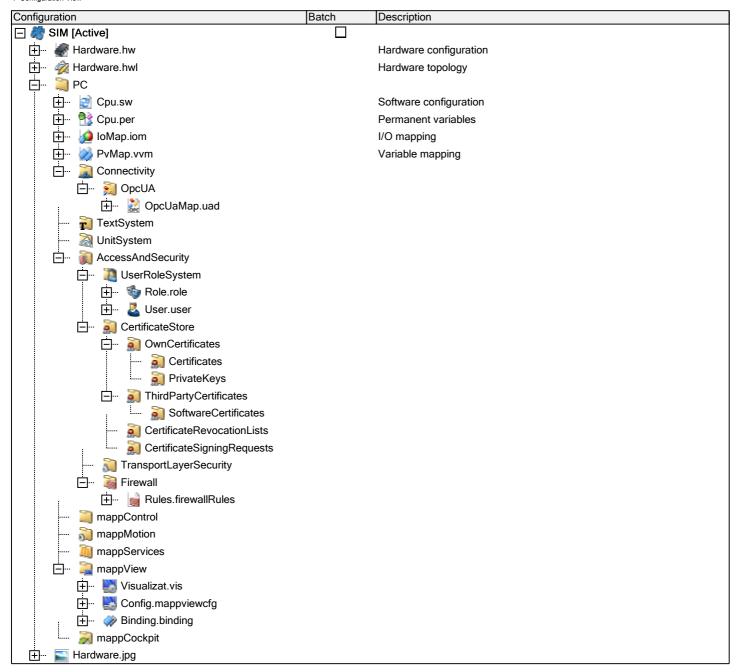


1.2 \Logical\mappView\Visualization\Pages\Glowna\G.content



1.1 \Logical\mappView\Visualization\Layouts\Layout.layout

1 Configuration View



1.1 SIM

1.1.1 \Physical\SIM\Hardware.hwl



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Project:	Proje	KtPIDK	uligowski

Hardware.hwl

1.1.2 \Physical\SIM\PC\Cpu.sw

Object I		Version	Transfer To	Size (bytes)	Date	Source	Source File	Descri ption
	@ Cyclic #1 - [100 ms]					1		
<u> </u>	Cyclic #2 - [200 ms]				F (07 (0004			
	Program	1.00.0	UserROM	5732	5/27/2021 8:42:46 PM	Program	SIM\PC\Cpu .sw	
	₹ Cyclic #4 - [1000 ms]							
	@ Cyclic #5 - [2000 ms]							
	@ Cyclic #6 - [3000 ms]							
	@ Cyclic #7 - [4000 ms]					1		
	@ Cyclic #8 - [5000 ms]							
	Data Objects							
	Nc Data Objects					1		
	Visualization			1		1		
<u> </u>	Binary Objects				5/27/2021	1		
	<mark>a</mark> d∃ FWRules	1.00.0	UserROM	456	8:43:06 PM		SIM\PC\Cpu .sw	
	₄ -⊞ mvLoader	1.00.0	UserROM	4736	1/14/2019 8:44:36 AM		SIM\PC\Cpu .sw	
	<mark>a</mark> -⊞ udbdef	0.01.0	UserROM	70264	4/10/2014 10:00:00 AM		SIM\PC\Cpu .sw	
	↑ TCData	1.00.0	SystemRO M	3875472	5/27/2021		SIM\PC\Cpu .sw	
<u> </u>	Library Objects							
	LoopConR	4.10.0	UserROM	139032	3/22/2017 8:19:34 AM	Libraries.LoopConR	SIM\PC\Cpu .sw	This library contains contro algorithms.
	····· [] sys_lib	4.72.0	UserROM	19832	11/23/201 9 3:06:10 AM	Libraries.sys_lib	SIM\PC\Cpu .sw	The SYS_I IB library contains functions for memo y management and
	j brsystem	4.72.0	UserROM	23844	11/23/201 9 2:59:32 AM	Libraries.brsystem	SIM\PC\Cpu .sw	The BRSystem library provid es the user with a number of system f
	····· Tuntime	4.72.0	UserROM	29340	11/23/201 9 3:05:27 AM	Libraries.runtime	SIM\PC\Cpu .sw	This library contains runtime functions for IEC tasks.

Object Name	Version	Transfer To	Size (bytes)	Date	Source	Source File	Descri ption
····· MTBasics	5.06.0	UserROM	80536	1/3/2019 6:00:24 AM	Libraries.MTBasics	SIM\PC\Cpu .sw	This mecha tronics library contai ns basic control functio n blocks
MTTypes	1.03.4	UserROM	364	2/21/2017 11:08:12 AM	Libraries.MTTypes	SIM\PC\Cpu .sw	This mecha tronics library contai ns differe nt syste m dataty pes an
astime	4.72.0	UserROM	24304	11/23/201 9 2:57:00 AM		SIM\PC\Cpu .sw	
asieccon	4.72.0	UserROM	17420	11/23/201 9 2:43:24 AM		SIM\PC\Cpu .sw	
fileio	4.72.0	UserROM	25328	11/23/201 9 3:03:58 AM		SIM\PC\Cpu .sw	
🗿 Source Objects							
reACTION Technology Objects							
- Objects - Objects - Objects	1						
	1.00.0	SystemRO M	448	5/27/2021 8:42:51 PM		SIM\PC\Cpu .sw	
A& User	1.00.0	UserROM	648	5/27/2021 8:43:06 PM		SIM\PC\Cpu .sw	
A Role	1.00.0	UserROM	760	5/27/2021 8:43:06 PM		SIM\PC\Cpu .sw	
·····A ddd iomap	1.00.0	UserROM	304	5/27/2021 8:42:52 PM		SIM\PC\Cpu .sw	
ൃ asfw	1.00.0	SystemRO M	128	5/27/2021 8:42:57 PM		SIM\PC\Cpu .sw	
A ashwac	1.00.0	UserROM	212	5/27/2021 8:43:06 PM		SIM\PC\Cpu .sw	
്⊼ ashwd	1.00.0	SystemRO M	524	5/27/2021 8:42:57 PM		SIM\PC\Cpu .sw	
sysconf	4.72.0	SystemRO M	69632	11/23/201 9 1:56:13 AM		SIM\PC\Cpu .sw	

Project: ProjektPIDKuligowski

Cpu.per

1.1.3 \Physical\SIM\PC\Cpu.per

Name	Data Type	Length	Offset	Description
Variables				

1.1.4 \Physical\SIM\PC\IoMap.iom

Project: ProjektPIDKuligowski PvMap.vvm

1.1.5 \Physical\SIM\PC\PvMap.vvm

Source PV Name Task Class Source PV	Destination PV Name	Task Class Destination PV	Description [1]
-------------------------------------	---------------------	---------------------------	-----------------

1.1.6 \Physical\SIM\PC\Connectivity\OpcUA\OpcUaMap.uad

Name	Datatype
☐ 🏂 Default View	
Ė- default>	
🕂 🧻 Global Variables	
🛨 👤 Program	

1.1.7 \Physical\SIM\PC\AccessAndSecurity\UserRoleSystem\Role.role

Name	Value	Description
☐		
Q Role ID	1	
Description	Role for	
Everyone		
····· 🛾 📦 Role ID	2	
Description	Role for	

1.1.8 \Physical\SIM\PC\AccessAndSecurity\UserRoleSystem\User.user

Name	Value	Description
□ anonymous		
····· 🔋 📦 User ID	1	
···· 📦 Password		
⊟ Roles		
····· 🛾 🖟 Assigned Role [1]	Everyone	
🗝 🋊 Assigned Role [2]		

1.1.9 \Physical\SIM\PC\mappView\Visualizat.vis

```
visualizationDefinition/v2 ">
      <StartPage pageRefId = "page_1" />
4
      <Pages>
       <Page refId="page_1" />
<Page refId="page_3" />
5
6
      </Pages>
7
8 📋
     <Navigations>
       <!--<Navigation refId="" />-->
9 📋
10
      </Navigations>
11
     <BindingsSets>
12
        <BindingsSet refId="binding_1" />
13
      </BindingsSets>
14 📋
     <EventBindingsSets>
       <!--<EventBindingsSet refId="" />-->
15 📋
16
      </EventBindingsSets>
16 <u>|</u>
      <Dialogs>
18
       <!--<Dialog refId="" />-->
      </Dialogs>
19
20 🛓
      <Contents>
       <!--<Content refId="" />-->
21
      </Contents>
22 | 23 |
22
      <SnippetsSets>
24
       <!--<SnippetsSet refId=""/>-->
25
      </SnippetsSets>
26 📋
      <ExpressionsSets>
27
        <!--<ExpressionsSet refId=""/>-->
      </ExpressionsSets>
29 🛱
      <VariablesSets>
30 🗏
       <!--<VariablesSet refId="" />-->
      </VariablesSets>
31
32
     <!--<StartTheme themeRefId="" />
      <Themes>
33
       <Theme refId=""/>
34
35
      </Themes>-->
36
      <Configurations>
37
       <Configuration key="activityCount" value="false" />
38 😑
          <Gestures>
39 🛓
             <!--<SystemGesture1 touchPoints="2" />
              <SystemGesture2 touchPoints="2" />
<SystemGesture3 touchPoints="2" />-->
40
42
          </Gestures>
43 | 44 |
        <VirtualKeyboards>
         <!--<InputProcessing onKeyDown="false" />-->
        </VirtualKeyboards>
45
      </Configurations>
46
    </vdef:Visualization>
47
48
```

1.1.10 \Physical\SIM\PC\mappView\Config.mappviewcfg

Name	Value	Unit	Description
🖃 🌁 Server configuration			
⊟ 🌁 Protocol	HTTP		use secure communication protocol
Port Number	81		Portnumber of mapp View webserver
Maximal client connections	1		Number of maximum permitted client connections in value range 0-16
Maximal B&R client connections	0		Number of maximum permitted B&R client connections in value range 0-16
Client connections licensing mode	by configured max clients		Licensing mode for maximum permitted client connections
⊡ 🌁 OPC-UA system			
Server connection timeout	5000	ms	Timeout to connect to the OpcUa-servers before the visualization is shown.
Sampling rate groups			Groups for different opcUa-Binding variable sampling intervals
···· 🏮 default	200	ms	
···· 📦 slow	1000	ms	
🖟 fast	100	ms	
Initial WalueChanged Events	FALSE		ValueChanged events are also triggered for the initial value.
⊡			Timer objects for Events & Action System
🗀 🔭 Timer 1			
² Timerld	Timer1		Unique identification that can be referenced in event binding
····· 🔭 🖟 Interval	1000		Time in milliseconds in steps of 100 until the timer elapses
Timer mode	repetitive		
☐ Marie Client configuration			
ID of default visualization			ID of default visualization

Project: ProjektPIDKuligowski Binding.binding

```
1.1.11 \Physical\SIM\PC\mappView\Binding.binding
   <?xml version = "1.0" encoding = "utf-8"?>
bt="http://www.br-automation.com/iat2015/bindingListTypes/engineering/v2 " xmlns:be = "http://www.br-
                                              " xmlns:xsi = "http://www.w3.org/2001/
   automation.com/iat2015/bindingListEmbedded/engineering/v2
   XMLSchema-instance "
   <Bindings>
3
    <Binding mode = "twoWay" >
4
   5
6
7
<Source xsi:type="opcUa" refId="::AsGlobalPV:TrybAuto" attribute="value" />
<Target xsi:type="brease" contentRefId="content_5" widgetRefId="CheckBox1" attribute="value" />
9
10
11
   </Binding
12 = <Binding mode = "twoWay" >
  13
14
15
   </Binding
Source xsi:type="opcUa" refId="::AsGlobalPV:TrybPracy" attribute="value" />
<Target xsi:type="brease" contentRefId = "content_5" widgetRefId = "CheckBox2" attribute = "value" />
17
18
   </Binding>
19
20
21 📋
         <Binding mode = "twoWay" >
  22
   </Binding>
25 = <Binding mode = "twoWay" >
  26
2.7
28
   </Binding
| Source xsi:type="opcUa" refId="::AsGlobalPV:Td" attribute="value" />
| <Target xsi:type="brease" contentRefId="content_5" widgetRefId="NumericInput3_td" attribute="value" />
30
31
32
        </Binding>
33
34 📋
         <Binding mode = "twoWay" >
  35
37
   </Binding>
38 = <Binding mode = "twoWay" >
  39
   </Binding
41
43
44
   </Binding
45
47
48
49
   </Binding>
50 = <Binding mode = "oneWay" >
  51
52
53
   </Binding
54 = <Binding mode = "oneWay" >

<Source xsi:type = "opcUa" refId = "::AsGlobalPV:IO_ZaworCV" attribute = "value" />
<Target xsi:type = "brease" contentRefId = "content_3" widgetRefId = "OnlineChartGraph2" attribute = "value" /</pre>
55
56
57
   </Rinding>
58
59 = <Binding mode = "twoWay" >
   <Source xsi:type="opcUa" refId="::AsGlobalPV:CV_zadane" attribute="value" />
<Target xsi:type="brease" contentRefId="content_5" widgetRefId="NumericInput1" attribute="value" />
60
61
63
   </Bindings>
   </BindingsSet>
64
65
```

- 2 Physical View
- 2.1 SIM

2.1.1 \Physical\SIM\Hardware.hwl



2.1.2 Physical View

Name	Legac y	Position	Version	Description
□ I PC			1.1.0.0	Standard PC
📲 Serial		IF1		Communication Port
📲 Serial		IF2		Communication Port
···· 🊣 ETH		IF3		Ethernet
<u></u> ETH		IF4		Ethernet
J ₄		SL1		
J _a		SL2		
J _a		SL3		
J _a		SL4		
J _a		SL5		
J ₄		SL6		
J _a		SL7		
<u>ال</u>		SL8		

2.1.3 PC: Software

2.1.3 PC: Software			
Object Name		Size (bytes)	Description
□			
🏖 Cyclic #1 - [100 ms]			
🖃 🐉 Cyclic #2 - [200 ms]			
Program	UserR OM	5732	
🍣 Cyclic #3 - [500 ms]			
Cyclic #4 - [1000 ms]			
Cyclic #5 - [2000 ms]			
Cyclic #6 - [3000 ms]			
Cyclic #7 - [4000 ms]			
Cyclic #8 - [5000 ms]			
····· 🔢 Data Objects			
🤖 Nc Data Objects			
···· 🕎 Visualization			
🖃 📲 Binary Objects			
<mark>A</mark> -⊞ FWRules	UserR OM	456	
₄ ⊞ mvLoader	UserR OM	4736	
<mark>A</mark> -⊞ udbdef	UserR OM	70264	
	Syste mROM	38754 72	
☐ — 🍑 Library Objects			
LoopConR	UserR OM	13903 2	This library contains control algorithms.
sys_lib	UserR OM	19832	The SYS_LIB library contains functions for memory management and
I brsystem	UserR OM	23844	The BRSystem library provides the user with a number of system f
Tunune	UserR OM	29340	This library contains runtime functions for IEC tasks.
III WITBASICS	UserR OM	80536	This mechatronics library contains basic control function blocks
····· MTTypes	UserR OM	364	This mechatronics library contains different system datatypes an
····· all astime	UserR OM	24304	
····· asieccon	UserR OM	17420	
fileio	UserR OM	25328	

Object Name	Transf er To	Size (bytes)	Description
3 Source Objects			
reACTION Technology Objects			
Configuration Objects			
X aa arconfig	Syste mROM	448	
A& User	UserR OM	648	
_A Role	UserR OM	760	
_A dd iomap	UserR OM	304	
ൃ asfw	Syste mROM	128	
⊿ d ashwac	UserR OM	212	
X ashwd	Syste mROM	524	
sysconf	Syste mROM	69632	

2.1.4 PC: I/O Mapping

Channel Name	Process Variable	Data Type	Description [1]
I/O Mapping is not supported for this of	configuration or this Automation Runtime ve	ersion	

2.1.5 PC: Configuration

Name	Value	Unit	Description
<u>-</u>			
☐ ☐ Automation Runtime type	AR Simula tion		
Configuration ID	Projekt PIDKul igowsk i_SIM		Unique configuration ID. Required format: Spaces at the beginning or end of the string are not permitted.
Configuration version	1.0.0		Configuration version for conditional install. Required format: X.Y.Z where X, Y, Z are in range of 0 to 4,294,967,295
Module system on target			
Memory configuration			
⊞··· System			
⊞ Reboot			
🛨 ··· 🚰 Timing			
⊞ Resources			
+ File devices			
III Internet file system			
🛨 ··· S Online parameters			
⊞ FTP Server			
Additionally supported hardware			
⊞···			
⊕ System diagnostics			
⊕ PC-UA System			

2.1.6 PC: Permanent Variables

Name	Data Type	Length	Offset	Description
Variables				

2.1.7 PC: Variable Mapping

Source PV Name	Task Class Source PV	Destination PV Name	Task Class Destination PV	Source File	Description [1]

2.1.8 PC.IF1: Configuration

Name	Value	Unit	Description
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐			
— Povice parameters			
_A	RS232		
🏺 Baud rate	57,600		
📦 Receive idle time	5		characters
🃦 Parity	even		
🏺 Bits per character	8		
···· 🃦 Stop bits	1		
Activate interface	off		
— Modem parameters			
Activate modem configuration	off		
- Metwork parameters			
Ė- Protocol	Disable		
☐ 🌁 INA parameters			
Activate online communication	off		

2.1.9 PC.IF2: Configuration

Name	Value	Unit	Description	
☐ 1F2				
☐ Provice parameters				
_⊆	RS232			
🃦 Baud rate	57,600			
···· Receive idle time	5		characters	
🃦 Parity	even			
🃦 Bits per character	8			
📦 Stop bits	1			
📦 Activate interface	off			
⊡··· Modem parameters				
+ Activate modem configuration	off			
⊢ Metwork parameters				
Protocol	Disable			
⊟் 🌁 INA parameters				
Activate online communication	off			

2.1.10 PC.IF3: Configuration

Name	Value	Unit	Description
☐ % IF3	Value	OTHE	
Device parameters			For global Ethernet and DNS settings (e.g. Host name, DNS server address) see CPU configuration.
📦 IP address	127.0.0.1		
in MA parameters			
Activate online communication	on		
📦 Port number	11160		
📦 INA node number	2		
⊟ 🌁 ANSL parameters			
Activate online communication	on		
🖃 - MC Servers			
🖃 - *** VNC Server 1			
🖃 ··· 🦖 VC Mapping			
Key 🎒 mapping file			
🖃 Passwords			
Authenticati on	off		

PC.IF3: Configuration

Name	Value	Unit	Description
Port number	5900		
Max. connections	1		Maximum allowed number of concurrent connections to this VNC server
Refresh rate	1000	ms	Time between refreshes of the remote display
e Connection timeout	4	s	Time until server is closed if client doesn't respond.
🦥 🌒 Title			Title of VNC client Window
Modbus parameters			
Activate Modbus communication	off		

2.1.11 PC.IF4: I/O Mapping

Channel Name	Process Variable	Data Type	Description [1]	
I/O Mapping is not supported for this configuration or this Automation Runtime version				

2.1.12 PC.IF4: Configuration

Name	Value	Unit	Description
☐ 1F4			
+ Activate interface	off		

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