

SASE1 Tunnel Closing

Sandor Brockhauser
CAS

Schenefeld, 03/02/2016



XTD2/XTD9

Components, Equipment Types and Equipments

	Beckhoff														NO BECKHOFF						
	DI	DO	AI (ASENS)	AI (TSENS)	AI (GAUGE)	AO	SimpleMotor	MC2Motor	Encoder	LVDT	TDCPfeiffer	AgilentonPu	Valve(VALV	Valve(PNAC	LimaBasler	FastADC	MPOD	GOTTHARD	DOOCS	TINE/DOOCS	
SA1_XTD2_UND	/	/	/	0	0	/	/	/	/	/	0	0	0	0	/	/	/	0	1	0	1
SA1_XTD2_FILT	7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8
SA1_XTD2_IMGTR	/	/	/	0	0	/	/	/	/	/	0	0	0	0	/	/	/	0	1	0	1
SA1_XTD2_PSUT	1	0	0	8	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	17
SA1_XTD2_KMONO	1	0	0	4	0	0	0	5	1	3	0	0	0	0	0	0	0	0	0	0	14
SA1_XTD2_IMGSR	2	2	0	0	0	0	4	0	0	1	0	0	0	0	1	1	1	0	0	0	12
SA1_XTD2_COLB	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
SA1_XTD2_XGM	4	5	8	/	/	/	/	/	/	/	0	0	0	0	/	/	/	0	1	0	18
SA1_XTD2_ATT	18	0	0	9	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	36
SA1_XTD2_CRL	1	0	0	20	0	0	25	0	25	0	0	0	0	0	0	0	0	0	0	0	71
SA1_XTD2_IMGFEI	3	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	8
SA1_XTD2_COLB	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
SA1_XTD2_MIRR-1	0	0	0	2	0	0	5	2	5	0	0	0	0	0	0	0	0	0	0	0	14
SA1_XTD2_PBLM	1	2	0	2	0	0	0	0	2	2	0	0	0	0	2	0	0	0	0	0	11
SA1_XTD2_MIRR-2	0	0	3	4	0	0	6	2	5	0	0	0	0	0	0	0	0	0	0	0	20
SA1_XTD2_MCP	0	2	0	0	0	0	0	5	0	0	0	0	0	0	1	4	4	0	0	0	16
SA1_XTD2_IMGPII45	1	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	5
SA1_XTD2_ABS	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
SA1_XTD2_VAC	1	3	0	0	20	0	0	0	0	0	6	26	15	0	0	0	0	0	0	0	71
SA1_XS3_SHUT	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4
SA1_XTD9_HIREX	0	8	0	3	0	0	0	10	10	0	0	0	0	0	3	0	0	1	0	0	35
SA1_XTD9_PBLM	1	2	0	2	0	0	0	0	2	2	0	0	0	0	2	0	0	0	0	0	11
SA1_XTD9_DMIRR	0	0	0	2	0	0	5	2	5	0	0	0	0	0	0	0	0	0	0	0	14
SA1_XTD9_IMGPII45	1	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	5
SA1_XTD9_VAC	2	3	0	0	17	0	0	0	0	0	6	69	17	0	0	0	0	0	0	0	114
SPB_XTD9_FVAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPB_XTD9_PBLM	2	2	0	4	0	0	0	4	0	0	0	0	0	0	2	0	0	0	0	0	14
SPB_XTD9_COLB	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
SPB_XTD9_XGM	4	5	8	/	/	/	/	/	/	/	0	/	/	/	/	/	/	/	1	/	18
SPB_XTD9_PPU	2	2	0	1	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	8
SPB_XTD9_ATT	0	0	0	10	0	0	6	0	6	0	0	0	0	0	0	0	0	0	0	0	22
SPB_XTD9_CRL	1	0	0	20	0	0	25	0	25	0	0	0	0	0	0	0	0	0	0	0	71
SPB_XTD9_SCR	0	2	1	0	0	0	1	0	1	0	0	0	0	0	1	5	1	0	0	0	12
SPB_XTD9_SHUT	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4
FXE_XTD9_PBLM	2	2	0	4	0	0	0	4	0	0	0	0	0	0	2	0	0	0	0	0	14
FXE_XTD9_COLB	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FXE_XTD9_MONO-1	0	2	0	3	0	0	0	6	2	0	0	0	0	0	1	0	3	0	0	0	17
FXE_XTD9_MONO-2	0	2	0	3	0	0	0	6	2	0	0	0	0	0	1	0	3	0	0	0	17
FXE_XTD9_IMGPI	1	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	5
FXE_XTD9_SHUT	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4
Total	61	53	22	115	37	0	88	50	92	8	12	95	32	9	20	10	12	1	4	3	724

XTD2/XTD9

Components, Equipment Types and Equipments

	Beckhoff														NO BECKHOFF					
	DI	DO	AI (ASENS)	AI (TSENS)	AI (GAUGE)	AO	SimpleMotor	MC2Motor	Encoder	LVDT	TDCPfeiffer	AgilenttonPu	Valve(VALV	Valve(PNAC	LimaBasler	FastADC	MPOD	GOTTHARD	DOOCS	TINE/DOOCS
SA1_XTD2_UND	/	/	/	0	0	/	/	/	/	/	0	0	0	0	/	/	/	0	1	0
SA1_XTD2_FILT	7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	8
SA1_XTD2_IMGTR	/	/	/	0	0	/	/	/	/	/	0	0	0	0	/	/	/	0	1	0
SA1_XTD2_PSUT	1	0	0	8	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	17
SA1_XTD2_KMONO	1	0	0	4	0	0	0	5	1	3	0	0	0	0	0	0	0	0	0	14
SA1_XTD2_IMGSR	2	2	0	0	0	0	4	0	0	1	0	0	0	0	1	1	1	0	0	12
SA1_XTD2_COLB	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
SA1_XTD2_XGM	4	5	8	/	/	/	/	/	/	/	0	0	0	0	/	/	/	0	1	18
SA1_XTD2_ATT	18	0	0	9	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	36
SA1_XTD2_CRL	1	0	0	20	0	0	25	0	25	0	0	0	0	0	0	0	0	0	0	71
SA1_XTD2_IMGFEI	3	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	8
SA1_XTD2_COLB	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
SA1_XTD2_MIRR-1	0	0	0	2	0	0	5	2	5	0	0	0	0	0	0	0	0	0	0	14
SA1_XTD2_PBLM	1	2	0	2	0	0	0	0	2	2	0	0	0	0	2	0	0	0	0	11
SA1_XTD2_MIRR-2	0	0	3	4	0	0	6	2	5	0	0	0	0	0	0	0	0	0	0	20
SA1_XTD2_MCP	0	2	0	0	0	0	0	5	0	0	0	0	0	0	1	4	4	0	0	16
SA1_XTD2_IMGPII45	1	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	5
SA1_XTD2_ABS	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
SA1_XTD2_VAC	1	3	0	0	20	0	0	0	0	0	6	26	15	0	0	0	0	0	0	71
SA1_XS3_SHUT	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4
SA1_XTD9_HIREX	0	8	0	3	0	0	0	10	10	0	0	0	0	0	3	0	0	1	0	35
SA1_XTD9_PBLM	1	2	0	2	0	0	0	0	2	2	0	0	0	0	2	0	0	0	0	11
SA1_XTD9_DMIRR	0	0	0	2	0	0	5	2	5	0	0	0	0	0	0	0	0	0	0	14
SA1_XTD9_IMGPII45	1	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	5
SA1_XTD9_VAC	2	3	0	0	17	0	0	0	0	0	6	69	17	0	0	0	0	0	0	114
SPB_XTD9_FVAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPB_XTD9_PBLM	2	2	0	4	0	0	0	4	0	0	0	0	0	0	2	0	0	0	0	14
SPB_XTD9_COLB	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
SPB_XTD9_XGM	4	5	8	/	/	/	/	/	/	/	0	/	/	/	/	/	/	1	/	18
SPB_XTD9_PPU	2	2	0	1	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	8
SPB_XTD9_ATT	0	0	0	10	0	0	6	0	6	0	0	0	0	0	0	0	0	0	0	22
SPB_XTD9_CRL	1	0	0	20	0	0	25	0	25	0	0	0	0	0	0	0	0	0	0	71
SPB_XTD9_SCR	0	2	1	0	0	0	1	0	1	0	0	0	0	0	1	5	1	0	0	12
SPB_XTD9_SHUT	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4
FXE_XTD9_PBLM	2	2	0	4	0	0	0	4	0	0	0	0	0	0	2	0	0	0	0	14
FXE_XTD9_COLB	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FXE_XTD9_MONO-1	0	2	0	3	0	0	0	6	2	0	0	0	0	0	1	0	3	0	0	17
FXE_XTD9_MONO-2	0	2	0	3	0	0	0	6	2	0	0	0	0	0	1	0	3	0	0	17
FXE_XTD9_IMGPI	1	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	
FXE_XTD9_SHUT	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	61	53	22	115	37	0	88	50	92	8	12	95	32	9	20	10	12	1		

Sprint Backlog - Karabo 2.1.0 (Tunnel) - Operate Equip., Scenes, Test Mockup

ID	Item / Task / Karabo Classes	Device	GUI	Config.	Test Env.	Who (Group)	Est. Scene (h)	Est. Device (h)	Est. Config. (h)	Est. Test Env. (h) - low	Est. Total Task
1	BeckhoffDigitalInput		X			Anyone	0,5	-	-	-	0,5
2	BeckhoffDigitalOutput		X			Anyone	0,5	-	-	-	0,5
3	BeckhoffAnalogInput (ASENS)		X			Anyone	0,5	-	-	-	0,5
4	BeckhoffAnalogInput (TSENS)		X			Anyone	0,5	-	-	-	0,5
5	BeckhoffAnalogInput (GAUGE)		X			Anyone	0,5	-	-	-	0,5
6	BeckhoffAnalogOutput		X			Anyone	0,5	-	-	-	0,5
7	BeckhoffSimpleMotor		X			Expert	2	-	-	-	2
8	BeckhoffMC2Motor (Split in diff classes)	X	X		X	Chris Anyone	2	40	-	-	42
8.1	Work on more simple interface with BeckhoffGeneric (parameters from PLC)						DONE				
8.2	Describe requirements/details of BeckhoffMC2Motor (AE - Impediment)	X					-	80	-	-	80
9	BeckhoffEncoderLVDT	X	X		X	Anyone	1	2	-	-	3
9.1	Get details and unders.										
10	BeckhoffAqilant	X	X		X	Anyone	2	8	-	-	10
11	Create a list of all equipments with full Karabo name					Alessandro	-	16	-	-	16
12	BeckhoffTDCPfeifferUnit		X			Anyone	1	-	-	-	1
13	BeckhoffAgilentIonPump		X			Anyone	2	-	-	-	2
14	BeckhoffValve (VALVE)		X			Anyone	0,5	-	-	-	0,5
15	BeckhoffValve (PNACT)		X			Anyone	0,5	-	-	-	0,5
16	LimaBaslerCamera		X	X	X	Alessandro Andrea Anyone	2	-	2	40	44
17	Mood		X	X		Chris Anyone	2	-	2	-	4
18	FastADC		X		X	Anyone	3	-	-	40	43
19	GOTTHARD		X	X	X	Andrea Anyone	2	-	1	24	27
20	DOOS						No adapter now				
21	TINE/DOOS						No adapter now				
24	Show macro instance if available when loading project (this is currently just checked for the servers/devices not for the macros)					Kerstin	-	-	-	-	2
25	Scripting for iKarabo – review obsolete functions: generateProject, loadProject, instantiateProjectDevices (+... map others) (just remove)					Kerstin	-	-	-	-	0,5
26	IMPORTANT for Karabo installation: concept of DOMAIN definition (currently this is hard-coded as CAS_INTERNAL we agreed that for each workpackage an individual DOMAIN is created to distinguish them in the project DB)					Leonce	-	-	-	-	16
28	Task to create a script for all the scenes for all equipments					Dennis, John	-	8	-	-	8
29	Create a tunnel project (empty one) with all the names, components and devices (scripted)					GUI	-	8	-	-	8
30	Script function to include default device parameters from						-	-	16	-	16
31	Split deployment tasks for commissioning: identify hardware/hosts (GUI, Python, Devices) and install Karabo framework on each					Burkhard, Gero	-	-	-	-	16
32	Refactoring the GUI code which tracks the topology of the running Karabo system: Using the new system topology in the scene (drag & drop; workflow connections)					John	-	-	-	-	16
Total Estimation with MC2 Motor specification - Plan B							23	162	21	104	407,5
Total Estimation with MC2 "Generic Approach" - Plan A							23	44	21	104	242,5

Plan A

5 Business Days 410,5

Start 25-Jan

Finish (CCRM Installed) 31-Jan

Start Transition to Real 1-Feb

Ready for commissioning 6-Feb

Sprint Backlog - Karabo 2.1.0 (Tunnel) - Operate Equip., Scenes, Test Mockup

ID	Item / Task / Karabo Classes	Device	GUI	Config.	Test Env.	Who (Group)	Est. Scene (h)	Est. Device (h)	Est. Config. (h)	Est. Test Env. (h) - low	Est. Total Task
1	BeckhoffDigitalInput					Anyone	0,5	-	-	-	0,5
2	BeckhoffDigitalOutput					Anyone	0,5	-	-	-	0,5
3	BeckhoffAnalogInput (ASENS)					Anyone	0,5	-	-	-	0,5
4	BeckhoffAnalogInput (TSENS)					Anyone	0,5	-	-	-	0,5
5	BeckhoffAnalogInput (GAUGE)					Anyone	0,5	-	-	-	0,5
6	BeckhoffAnalogOutput					Anyone	0,5	-	-	-	0,5
7	BeckhoffSimpleMotor					Expert	2	-	-	-	2
8	BeckhoffMC2Motor (Split in diff classes)				X	Chris Anyone	2	40	-	-	42
8.1	Work on more simple interface with BeckhoffGeneric (parameters from PLC)						DONE				
8.2	Describe requirements/details of BeckhoffMC2Motor (AE - Impediment)						-	80	-	-	80
9	BeckhoffEncoderLVDT					Anyone	1	2	-	-	3
9.1	Get details and unders.										
10	BeckhoffAqilant					Anyone	2	8	-	-	10
11	Create a list of all equipments with full Karabo name					Alessandro	-	16	-	-	16
12	BeckhoffTDCPfeifferUnit					Anyone	1	-	-	-	1
13	BeckhoffAgilentIonPump					Anyone	2	-	-	-	2
14	BeckhoffValve (VALVE)					Anyone	0,5	-	-	-	0,5
15	BeckhoffValve (PNACT)					Anyone	0,5	-	-	-	0,5
16	LimaBaslerCamera					Alessandro Andrea Anyone	2	-	2	40	44
17	Mood			X		Chris Anyone	2	-	2	-	4
18	FastADC					Anyone	3	-	-	40	43
19	GOTTHARD					Andrea Anyone	2	-	1	24	27
20	DOOS						No adapter now				
21	TINE/DOOS						No adapter now				
24	Show macro instance if available when loading project (this is currently just checked for the servers/devices not for the macros)					Kerstin	-	-	-	-	2
25	Scripting for iKarabo – review obsolete functions: generateProject, loadProject, instantiateProjectDevices (+... map others) (just remove)					Kerstin	-	-	-	-	0,5
26	IMPORTANT for Karabo installation: concept of DOMAIN definition (currently this is hard-coded as CAS_INTERNAL we agreed that for each workpackage an individual DOMAIN is created to distinguish them in the project DB)					Leonce	-	-	-	-	16
28	Task to create a script for all the scenes for all equipments					Dennis, John	-	8	-	-	8
29	Create a tunnel project (empty one) with all the names, components and devices (scripted)					GUI	-	8	-	-	8
30	Script function to include default device parameters from						-	-	16	-	16
31	Split deployment tasks for commissioning: identify hardware/hosts (GUI, Python, Devices) and install Karabo framework on each					Burkhard, Gero	-	-	-	-	16
32	Refactoring the GUI code which tracks the topology of the running Karabo system: Using the new system topology in the scene (drag & drop; workflow connections)					John	-	-	-	-	16
Total Estimation with MC2 Motor specification - Plan B							23	162	21	104	407,5
Total Estimation with MC2 "Generic Approach" - Plan A							23	44	21	104	242,5

Plan A

5 Business Days 410,5

Start 25-Jan

Finish (CCRM Installed) 31-Jan

Start Transition to Real 1-Feb

Ready for commissioning 6-Feb

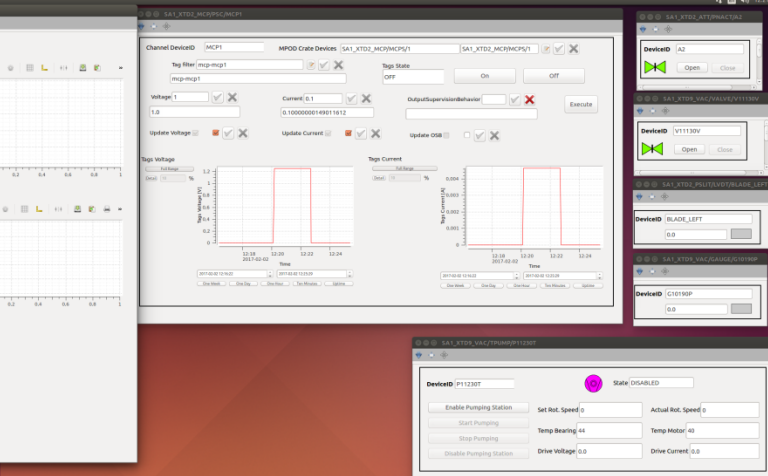
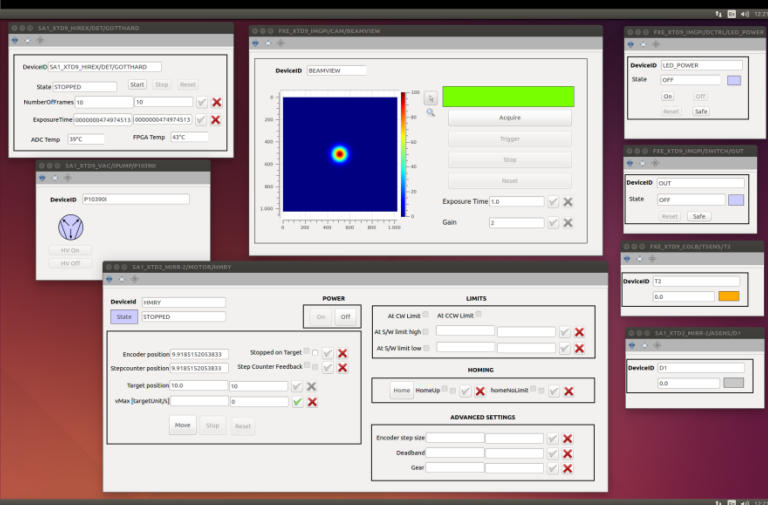
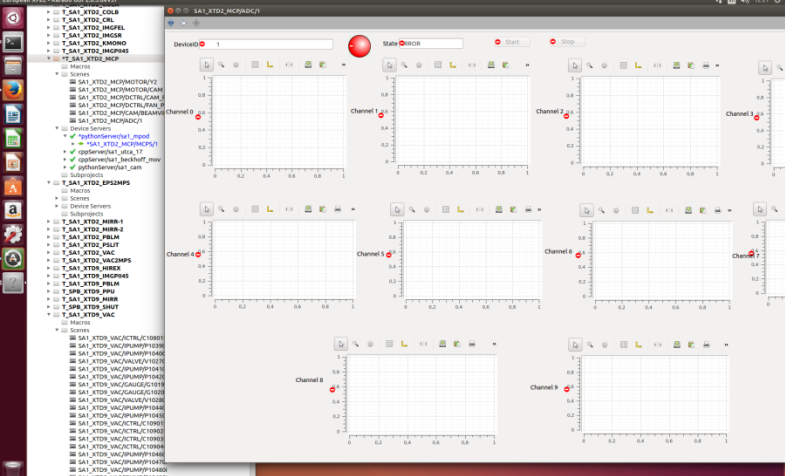
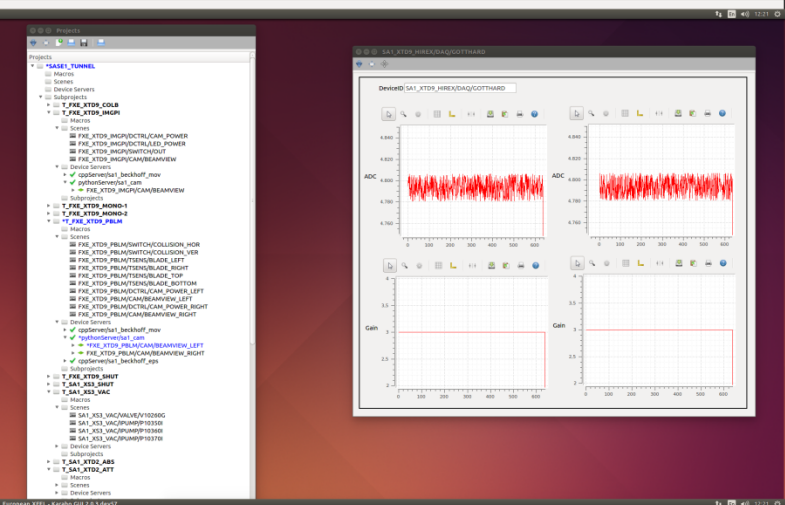
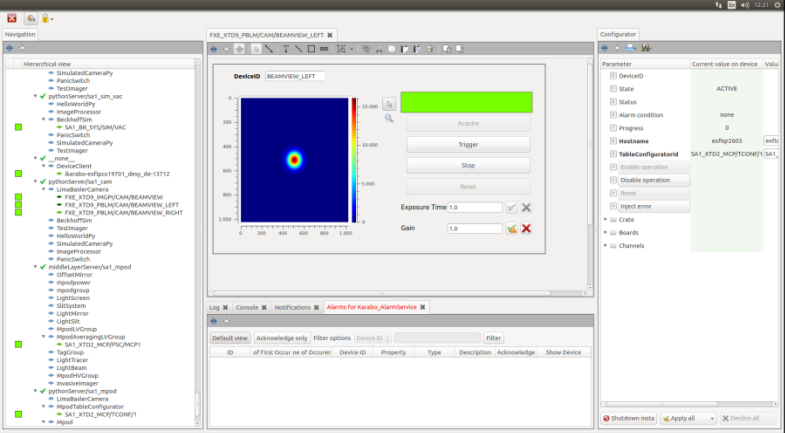
XTD2/XTD9

Components, Equipment Types and Equipments

	Beckhoff														NO BECKHOFF					
	DI	DO	AI (ASENS)	AI (TSENS)	AI (GAUGE)	AO	SimpleMotor	MC2Motor	Encoder	LVDT	TDCPfeiffer	AgilenttonPu	Valve(VALV	Valve(PNAC	LimaBasler	FastADC	MPOD	GOTTHARD	DOOCS	TINE/DOOCS
SA1_XTD2_UND	/	/	/	0	0	/	/	/	/	/	0	0	0	0	/	/	/	0	1	0
SA1_XTD2_FILT	7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	8
SA1_XTD2_IMGTR	/	/	/	0	0	/	/	/	/	/	0	0	0	0	/	/	/	0	1	0
SA1_XTD2_PSUT	1	0	0	8	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	17
SA1_XTD2_KMONO	1	0	0	4	0	0	0	5	1	3	0	0	0	0	0	0	0	0	0	14
SA1_XTD2_IMGSR	2	2	0	0	0	0	4	0	0	1	0	0	0	0	1	1	1	0	0	12
SA1_XTD2_COLB	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
SA1_XTD2_XGM	4	5	8	/	/	/	/	/	/	/	0	0	0	0	/	/	/	0	1	18
SA1_XTD2_ATT	18	0	0	9	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	36
SA1_XTD2_CRL	1	0	0	20	0	0	25	0	25	0	0	0	0	0	0	0	0	0	0	71
SA1_XTD2_IMGFEI	3	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	8
SA1_XTD2_COLB	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
SA1_XTD2_MIRR-1	0	0	0	2	0	0	5	2	5	0	0	0	0	0	0	0	0	0	0	14
SA1_XTD2_PBLM	1	2	0	2	0	0	0	0	2	2	0	0	0	0	2	0	0	0	0	11
SA1_XTD2_MIRR-2	0	0	3	4	0	0	6	2	5	0	0	0	0	0	0	0	0	0	0	20
SA1_XTD2_MCP	0	2	0	0	0	0	0	5	0	0	0	0	0	0	1	4	4	0	0	16
SA1_XTD2_IMGPII45	1	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	5
SA1_XTD2_ABS	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
SA1_XTD2_VAC	1	3	0	0	20	0	0	0	0	0	6	26	15	0	0	0	0	0	0	71
SA1_XS3_SHUT	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4
SA1_XTD9_HIREX	0	8	0	3	0	0	0	10	10	0	0	0	0	0	3	0	0	1	0	35
SA1_XTD9_PBLM	1	2	0	2	0	0	0	0	2	2	0	0	0	0	2	0	0	0	0	11
SA1_XTD9_DMIRR	0	0	0	2	0	0	5	2	5	0	0	0	0	0	0	0	0	0	0	14
SA1_XTD9_IMGPII45	1	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	5
SA1_XTD9_VAC	2	3	0	0	17	0	0	0	0	0	6	69	17	0	0	0	0	0	0	114
SPB_XTD9_FVAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPB_XTD9_PBLM	2	2	0	4	0	0	0	4	0	0	0	0	0	0	2	0	0	0	0	14
SPB_XTD9_COLB	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
SPB_XTD9_XGM	4	5	8	/	/	/	/	/	/	/	0	/	/	/	/	/	/	1	/	18
SPB_XTD9_PPU	2	2	0	1	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	8
SPB_XTD9_ATT	0	0	0	10	0	0	6	0	6	0	0	0	0	0	0	0	0	0	0	22
SPB_XTD9_CRL	1	0	0	20	0	0	25	0	25	0	0	0	0	0	0	0	0	0	0	71
SPB_XTD9_SCR	0	2	1	0	0	0	1	0	1	0	0	0	0	0	1	5	1	0	0	12
SPB_XTD9_SHUT	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4
FXE_XTD9_PBLM	2	2	0	4	0	0	0	4	0	0	0	0	0	0	2	0	0	0	0	14
FXE_XTD9_COLB	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FXE_XTD9_MONO-1	0	2	0	3	0	0	0	6	2	0	0	0	0	0	1	0	3	0	0	17
FXE_XTD9_MONO-2	0	2	0	3	0	0	0	6	2	0	0	0	0	0	1	0	3	0	0	17
FXE_XTD9_IMGPI	1	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	
FXE_XTD9_SHUT	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	61	53	22	115	37	0	88	50	92	8	12	95	32	9	20	10	12	1		

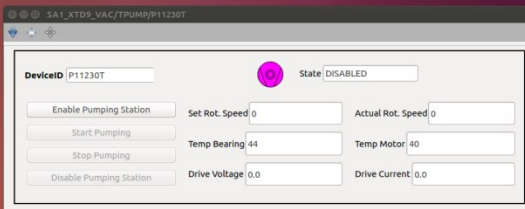
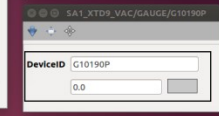
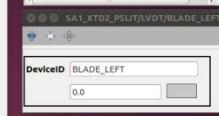
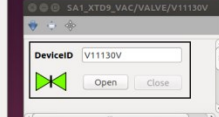
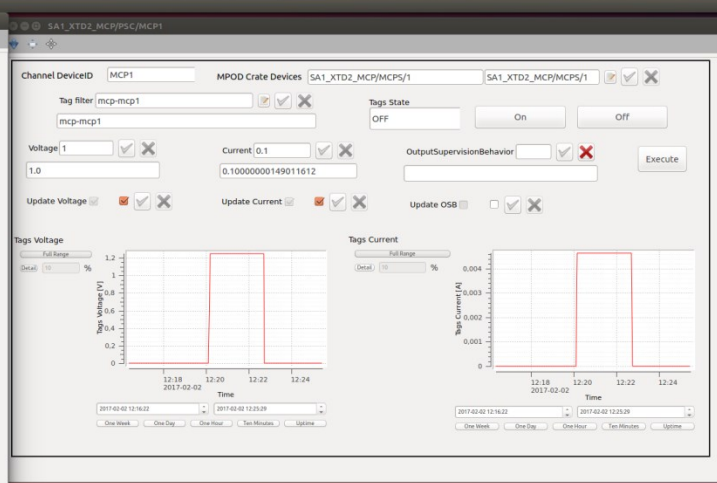
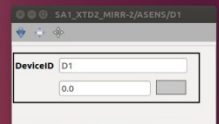
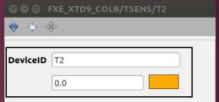
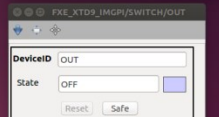
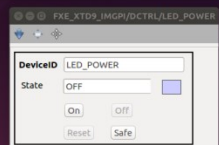
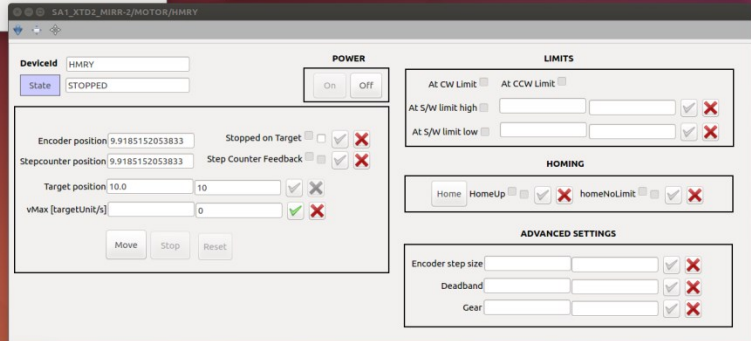
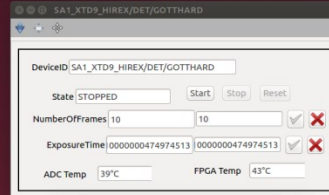
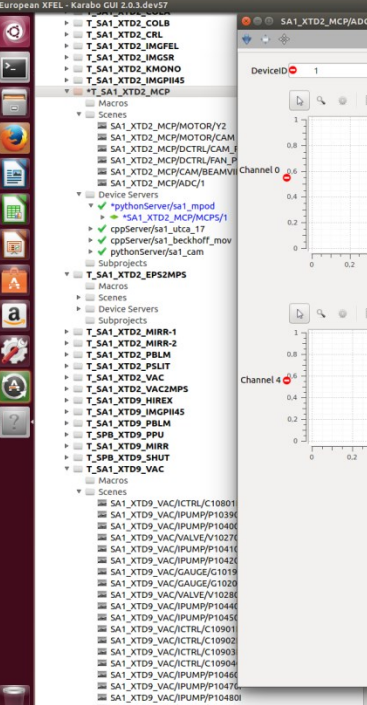
XTD2/XTD9 Components, Equipment Types

	Beckhoff								
	DI	DO	AI (ASENS)	AI (TSENS)	AI (GAUGE)	AO		SimpleMotor	
SA1_XTD2_UND	/	/	/	0	0	0	/	/	
SA1_XTD2_FILT		7	0	0	0	0			1
SA1_XTD2_IMGTR	/	/	/	/	0	0	/	/	
SA1_XTD2_PSUT		1	0	0	8	0			4
SA1_XTD2_KMONO		1	0	0	4	0			0
SA1_XTD2_IMGSR		2	2	0	0	0			4
SA1_XTD2_COLB		1	0	0	2	0			0
SA1_XTD2_XGM		4	5	8	/	/	/	/	
SA1_XTD2_ATT		18	0	0	9	0			0
SA1_XTD2_CRL		1	0	0	20	0			25
SA1_XTD2_IMGFEI		3	3	0	0	0			2
SA1_XTD2_COLB		0	0	0	2	0			0
SA1_XTD2_MIRR-1		0	0	0	2	0			5
SA1_XTD2_PBLM		1	2	0	2	0			0
SA1_XTD2_MIRR-2		0	0	3	4	0			6
SA1_XTD2_MCP		0	2	0	0	0			0
SA1_XTD2_IMGPII45		1	2	0	0	0			1
SA1_XTD2_ABS		1	0	0	2	0			0
SA1_XTD2_VAC		1	3	0	0	20			0
SA1_XS3_SHUT		1	0	0	2	0			0
SA1_XTD9_HIREX		0	8	0	3	0			0
SA1_XTD9_PBLM		1	2	0	0	0			0
SA1_XTD9_DMIRR		0	0	0	2	0			5
SA1_XTD9_IMGPII45		1	2	0	0	0			1
SA1_XTD9_VAC		2	3	0	0	17			0
SPB_XTD9_FVAL		0	0	0	0	0			0
SPB_XTD9_PBLM		2	2	0	4	0			0
SPB_XTD9_COLB		0	0	2	0	0			0
SPB_XTD9_XGM		4	5	8	/	/	/	/	
SPB_XTD9_PPU		2	2	0	1	0			1
SPB_XTD9_ATT		0	0	0	10	0			6
SPB_XTD9_CRL		1	0	0	20	0			25
SPB_XTD9_SCR		0	2	1	0	0			0
SPB_XTD9_SHUT		1	0	0	2	0			1
FXE_XTD9_PBLM		2	2	0	4	0			0
FXE_XTD9_COLB		0	0	0	2	0			0
FXE_XTD9_MONO-1		0	2	0	3	0			0
FXE_XTD9_MONO-2		0	2	0	3	0			0
FXE_XTD9_IMGPI		1	2	0	0	0			1
FXE_XTD9_SHUT		1	0	0	2	0			0
Total		61	53	22	115	37			88



XTD Com

Be



Goals (Jan 20, 2017)

■ Prioritisation

- 1 – Enable **remote control** of all devices within XTD2/XTD9 from Karabo 2
but no DOOCS/TINE integration: `XTD2_UND, XTD[2,9]_XGM, XTD2_IMGTR,`
`XS3_SHUT, [FXE,SPB]_XTD9_SHUT`
- 2 – (a) Make the control interface easier to use ; (b) Connect devices to DAQ system

- CAS provides commissioning scenes for each equipment for each component

■ Component responsible shall

- provide all Karabo names for each(!) controllable equipment inside
- provide all default Karabo(!) configuration parameters for the equipments
- inform when a component is ready to be tested and organise the tests

- CAS shall request computing resources (servers in SASE1 balcony room) from ITDM early enough

Achievements (Feb 2, 2017) – Ready for Technical Commissioning

■ Prioritisation

- 1 – Enable **remote control** of all devices within XTD2/XTD9 from Karabo 2
but no DOOCS/TINE integration: `XTD2_UND`, `XTD[2,9]_XGM`, `XTD2_IMGTR`,
`XS3_SHUT`, `[FXE,SPB]_XTD9_SHUT`
- 2 – (a) Make the control interface easier to use ; (b) Connect devices to DAQ system

■ CAS provides commissioning scenes for each equipment for each component

■ Component responsible shall

- ~~provide all Karabo names for each(!) controllable equipment inside~~
- provide all default Karabo(!) configuration parameters for the equipments
- inform when a component is ready to be tested and organise the tests along a checklist(!)

■ CAS shall request computing resources (servers in SASE1 balcony room) from ITDM early enough



Contact Persons for Tunnel Components

■ Beam Transport

Alessandro / Valerii



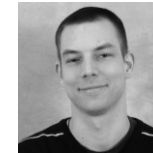
■ Vacuum

Valerii / Chris



■ Diagnostics

Wajid / Dennis



■ SPB

Alessandro / Marc



■ FXE

Dennis / John

