

Introduction

Tobias Haas
Technical Meeting
11 Nov 2016



- New Phase2 Cabling Dates
- Vacuum Controls XTD2
- Status

New SASE1 Phase2 Cabling Dates

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- Our plans require a lot of additional effort on the side of Actemium
- We ordered 21 km of “wrong” encoder cable
- Ca 1 km of HV cables are not compatible with the respective connectors
- Consequences:
 - Finishing dates shift:
 - FXE (500 cables): 15 Dec → 15 Jan
 - SPB Optics (250 cables): ... → 31 Jan
 - SPB Instr. (2000 cables): 28 Feb → 31 Mar
 - All subsequent tasks are affected
- Work in FXE starts on Monday, 14 Nov

Vacuum Controls Commissioning Taskforce, Page 1 of 1

New | Find | Select | Import | Config | Logout | Last day | Help

Full | Summary | Threaded | Hide attachments

ID	Date	Author	Location	Severity
9	Wed Nov 9 15:36:22 2016	Tobias Haas	General	Information

I have included the status columns provided by Alessandro and Sandor in the component list. Please find it in the usual location here: <http://tiny>

Attachment 1: elog.tiff

8	Mon Nov 7 19:15:35 2016	Alessandro Silenzi	XTD2	Information
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Karabo to PLC communication has been tested successfully in the SASE1 Vacuum installation.

in attachment:

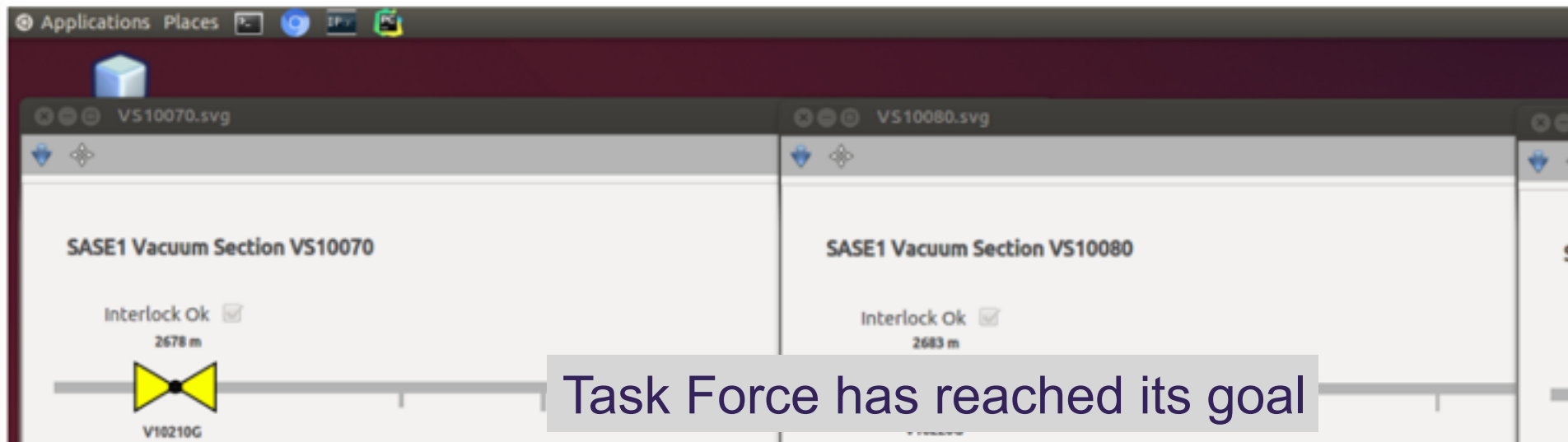
OK.png -> Initial Status, all OK

interlocked.png -> pump P10300I is turned off -> Setpoint -> off -> Valve automatically close and set "Interlock OK" to false

afteron.png -> pump P10300I is turned on again but -> Setpoint -> off -> Valve automatically close and set "Interlock OK" to false

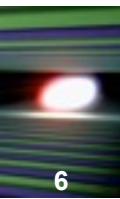
backToNormal.png -> Like initial status but valves stay closed

Attachment 1: OK.png





- Infrastructure
 - Laser Curtains mounted in PP Laser room
 - Quality problems with the MKK air
 - Dräger finally sent the lab results:
 - Air contaminated by “large” particles (250 mu)
 - DESY is willing to install a filter
- Phase I Cables
 - Installation work done
 - Testing not complete
 - Some issues with the test procedure
- Phase II Cabling starts next week



- A bump in the floor of the FXE hutch gives trouble for air pad movement.
 - However, the air pads used by FXE require a better floor quality than our specs can provide
 - FXE may need to use “Industrial Air pads”
 - A test in different locations of the hall with industrial air pads is under consideration
- Installation of Frames for Beckhoff electronics ongoing

SASE1 Top Open Issues



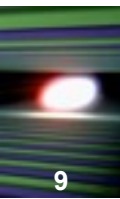
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- XHEXP1 Sewage pump
 - A sewage pump in XHQ failed last week and 1m³ of sewage ran onto the hall floor
 - Being pursued by BAU and TS with high priority but solution will take some time
- MKK compressed air
 - Lab results are now available
 - DESY is willing to install a filter station

SASE1: Current power consumption



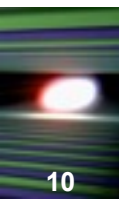
SPB Laser Room: Phase 1 Cabling



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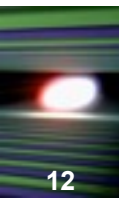
SPB Instrument Hutch: Cabling now quite clean!



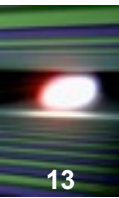
FXE: Instrument Installation proceeds



SASE3 Status



- Civil construction
 - Company Lien almost finished except for doors
- Slow progress on infrastructure



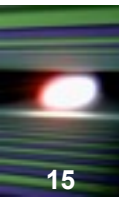
- Electronics and Cabling
 - Phase1
 - Kickoff with Vater KNS on 24 Nov
 - PI sent the execution planning documents yesterday

SASE3 Top Open Issues



- Caverion Time Schedule
 - Have been reminded again, but still no news
- Phase1 Cabling tender
 - Kickoff on 24 Nov
- Eplanning both for modules as well as for cable routing has not started
 - Slow progress
- Laser Interlocks
 - Kickoff with LaserMet last week
 - PRR beginning of Jan
 - Interlocks in XHQ labs already installed

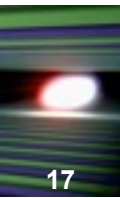
SQS: Sliding door in rack room



SQS Rack room: cable trays in double floor



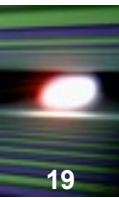
SCS Rack Room: Cable Trays



Laser Interlock System from LaserMET

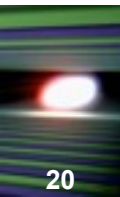


SASE2 Status



- Civil Construction
 - Pre-acceptance with PONTAX on Wednesday
 - only minor issues
 - LIEN started on MID rack room
- TGA
 - Installations to start before the end of the month

SASE2: Air supply for smoke extraction



SASE2: Lien starting on MID rack hutch

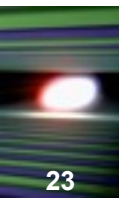


SASE2 Top Open Issues

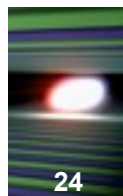
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- Phase1 Cabling draft planning waiting for comments from our side for two months
 - Now waiting for the tender docs from PI
- Laser Interlocks
 - We need to keep in mind to decide on the contractor by the end of the year.
- Smoke Extraction System
 - Air supply is now very restricted
 - A test of the system is urgently needed

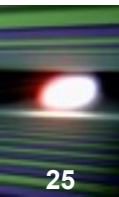
XTD10: Holes to pump rooms closed



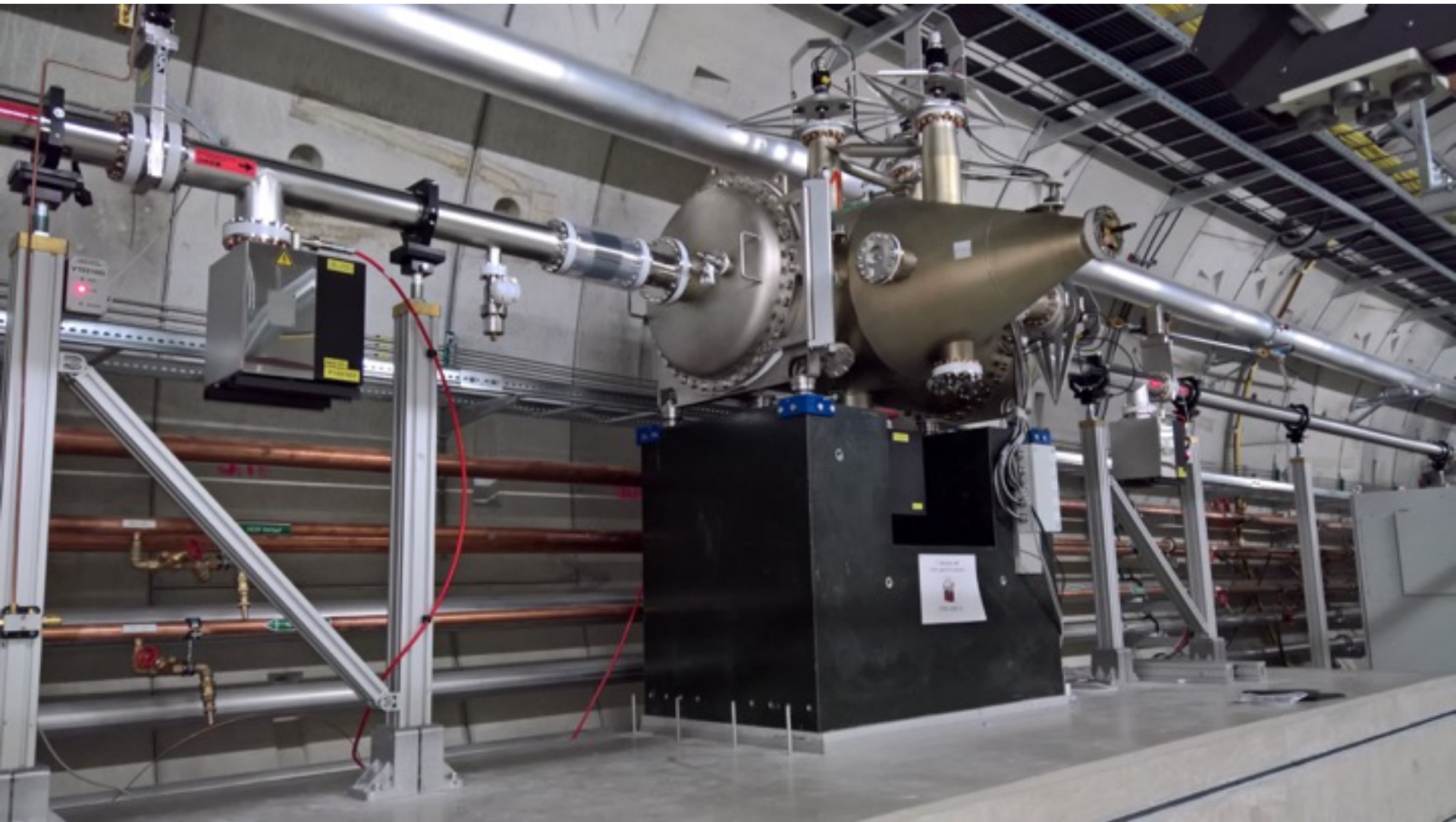
XTD10: Soft X-Ray Monochromator in the tunnel



XTD10: Camera support for SLRS



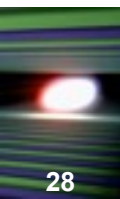
XTD2: Mirror tank connected to vacuum



XTD2: Machine rack *not* connected



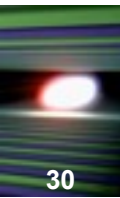
XTD1: XGM Support (aka “The Monster”)



XTD1: Split&Delay Line (aka: “Das Boot”)



Remnants of Sewage Flood



Next Meetings



- Closing meeting of the Vacuum Controls Commissioning Task Force and Tunnel Coordination
 - Today 09:30 after TechMeet in XTOB
- Next XHEXP1 hall coordination meeting
 - Friday, 18 Nov 8:30 XTOB/1.01
 - ➔ Large meeting room not available due to EUCALL workshop