WP-SA-OP Task Monitoring Meeting - 29 Oct 2026

Divertor VUV status

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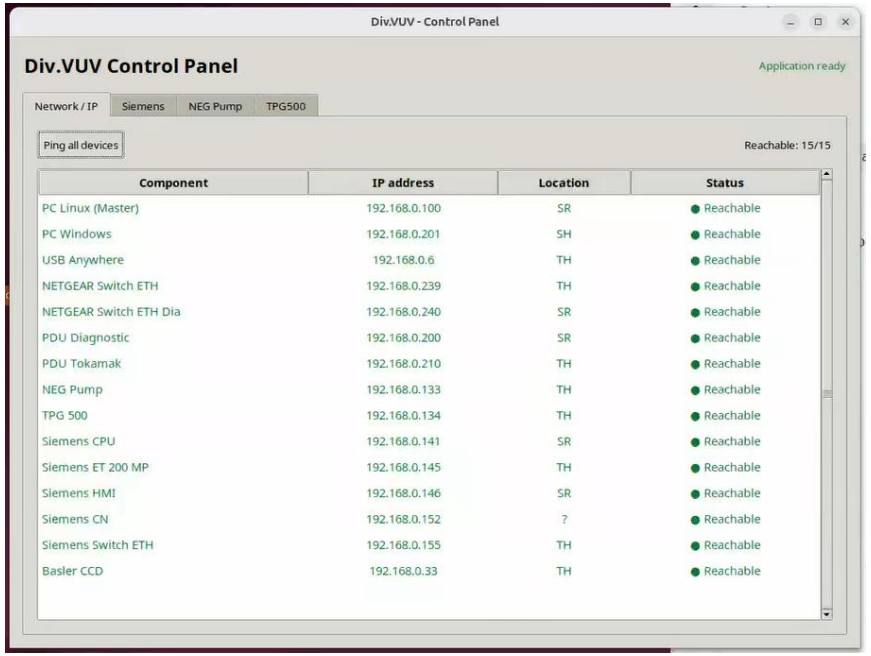
Open points from last KOM

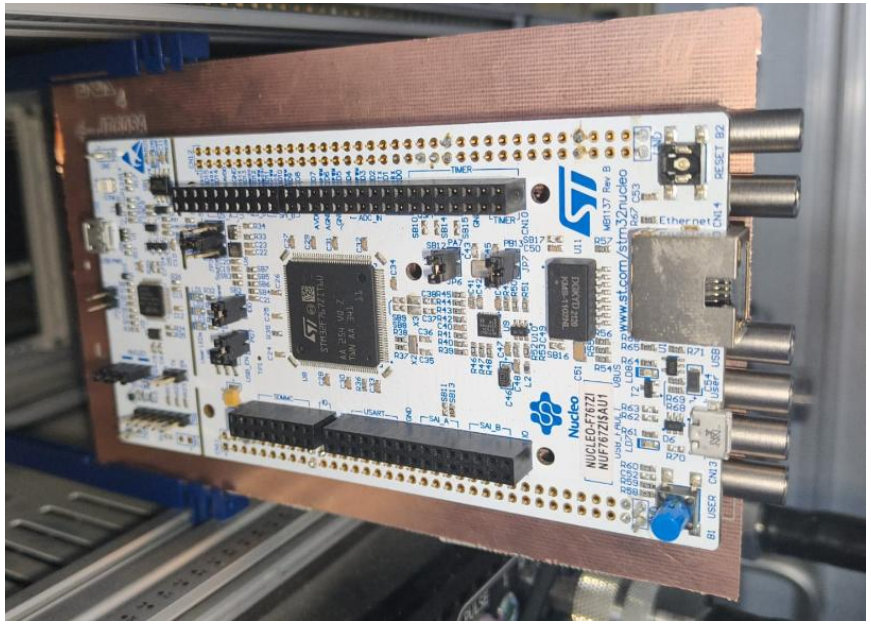
Point discussed during the last WPSA progress meeting:

1. **Acquisition system**
2. **Vacuum system upgrade**
3. **Optical alignment**
4. **Current schedule**

1. Acquisition system

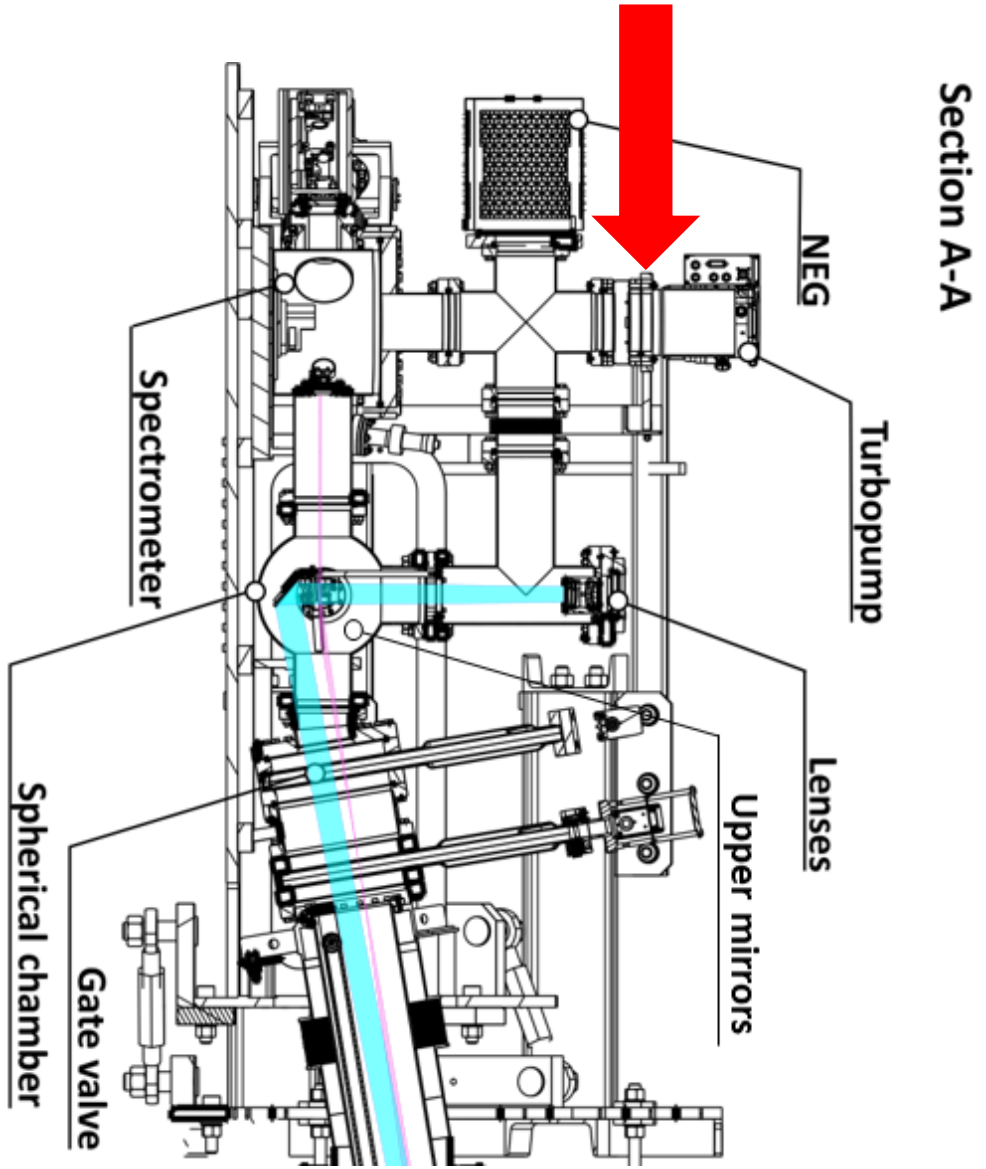
- Replacement of the broken CCD
- Installation of the cabinet in shield room I
- Check of the communication between the two electrical panels
- Integration of the trigger system
  - Breadboard has been installed and tested
  - The cables are tested and are ready to be installed
  - Full simulation of an acquisition is schedule for the weeks **16-27 Nov**





2. Vacuum system [1/2]

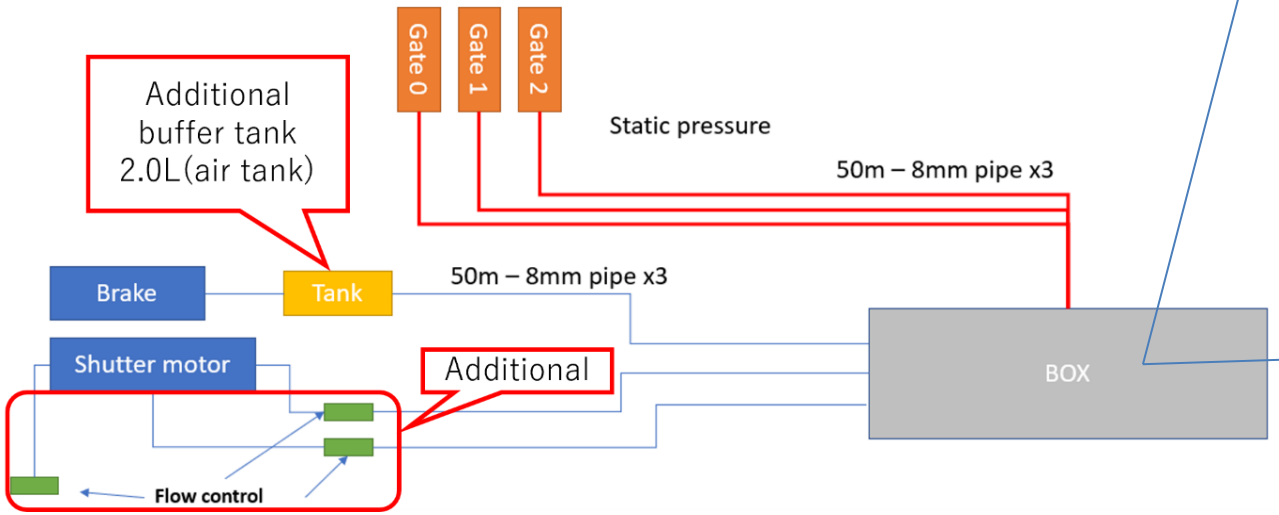
- Integration of fore-vacuum valve ⚠
  - Cable is not yet installed. We have set 13 Nov. as the deadline for this
  - The electrical system is ready
- Replacement of the broken gate valve position switch ✓
- Test of vacuum system ❗
  - QST has not installed the fore-vacuum system
  - A date is not available yet
- A gate valve is broken (red arrow in the figure) ❗
  - F4E already order a new gate but apparently it cannot be delivered in time for OP2.
    - Maybe QST can lend a manual valve
    - A procedure to work without gate is under definition

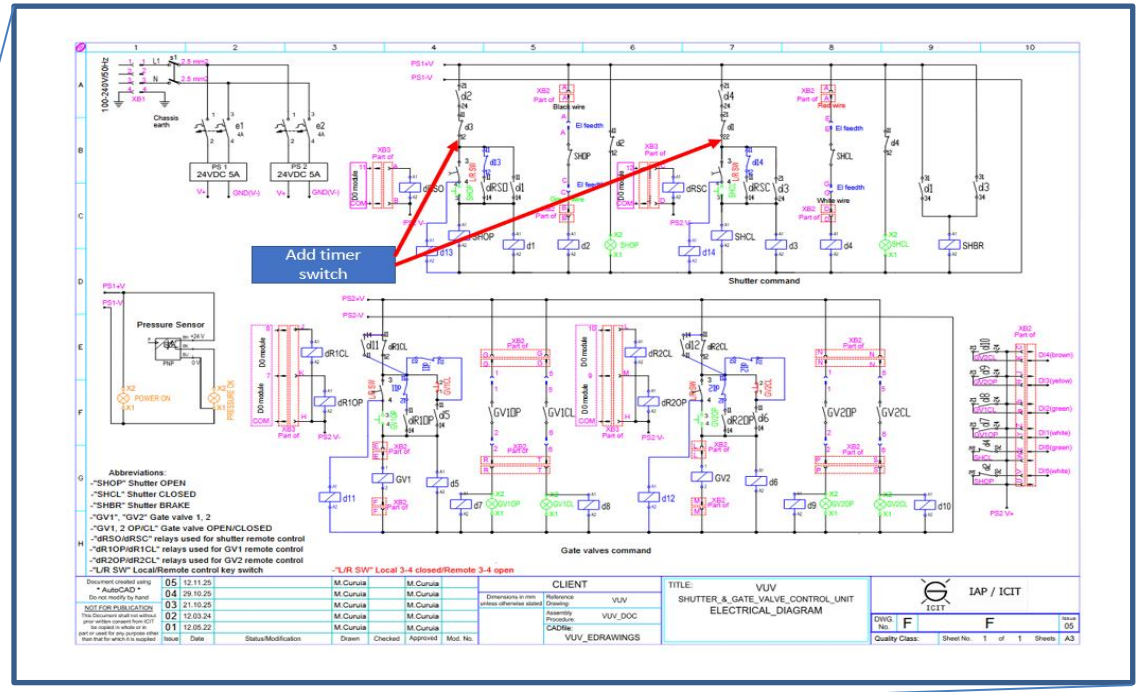


2. Vacuum system [2/2]

- A problem arise for the control of the shutter ⚠

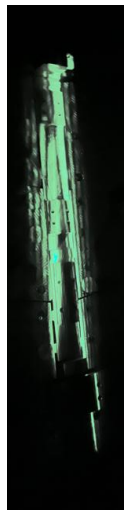
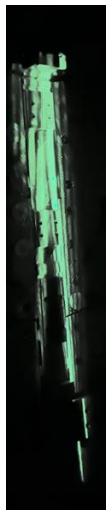
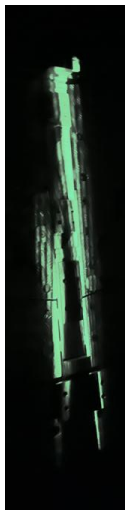
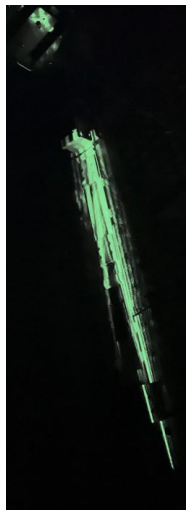
  - The pressure request from QST (6 bar relative) actually is the pressure provided by the compressor unit. Due to the length of the cable the pressure is not enough in torus hall
  - An upgrade is already designed but not all components are arrived





3. Optical alignment

- The alignment has been tested
  - One channel (44-125 nm) is well aligned
  - The second channel is aligned but it has been verified with a scanning because the laser system lost his alignment.
- Endoscope has been broken during the transportation so it has not been used for the alignment.
  - It must be replaced during M2
  - It can be used anyway as backup system to check the shutter movement


4. Current schedule

	Activity	Note		Activity	Note		Activity	Note
1-ott			01-nov			1-dic		
2-ott			02-nov	Neutron calibration		2-dic		
3-ott			03-nov	Neutron calibration		3-dic		
4-ott			04-nov	Neutron calibration		4-dic		
5-ott			05-nov	Neutron calibration		5-dic		
6-ott			06-nov	Neutron calibration		6-dic		
7-ott			07-nov	Alignament with divertor		7-dic	Installation of fore-vacuum system	TBC
8-ott			08-nov			8-dic		
9-ott			09-nov	Neutron calibration		9-dic		
10-ott			10-nov	Installation of shutter update		10-dic		
11-ott			11-nov	Installation of shutter update		11-dic		
12-ott			12-nov			12-dic		
13-ott			13-nov			13-dic		
14-ott			14-nov			14-dic		
15-ott			15-nov			15-dic		
16-ott			16-nov	Test software		16-dic		
17-ott			17-nov	Test software		17-dic	Start holiday	
18-ott			18-nov	TCM-46		18-dic		
19-ott			19-nov	TCM-46		19-dic		
20-ott			20-nov	Test software		20-dic		
21-ott			21-nov			21-dic		
22-ott			22-nov			22-dic		
23-ott			23-nov	Test software		23-dic		
24-ott			24-nov	Test software		24-dic		
25-ott			25-nov	Test software		25-dic		
26-ott			26-nov	Test software		26-dic		
27-ott			27-nov	Test software		27-dic		
28-ott			28-nov			28-dic		
29-ott	Installation of shutter update		29-nov			29-dic		
30-ott	Neutron calibration		30-nov	Safety course		30-dic		
31-ott			01-dic	Turbo-pump test	TBC	31-dic		

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Thank you

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