

Moller – I&C Progress Team Meeting

MOLLER - Discussion and actions

Date: Sept 6th, 2022

Prepared by – P K Ghoshal

Attendees – Scot S, Nic S, Brian E, Mark L, Kaiyi H, Pablo C

To see the status of the project on Moller on I&C progress and support for the team from DSG.

1. Overall Magnet system.
09/06/2022 –
 - Probir Updated the status of the project as we stand with defining the requirements.
 - Prepare for 90% design review (DR) scheduled in Nov 2022.
 - Logic and requirements as on 09062022 been shared with DSG and team.
 - Definition of the Instruments and requirements are in place (Shared by Nick S) and need to be prepared to formally prepare design/drawings.
 - DSG will be able to help with along with Scot (mostly engaged with Hall D) and Kaiyi (still learning, new to the group).
 - Nick and Pablo need to work closely with the design and built the instr rack and diagnostics.
2. Probir requested Brian to give the list of names to access the Moller distectory in the shared drive and list of names to have access to export control stuff envisaged for the MPS.
3. Probir to define the flowmeter requirements and type by 09/12/2022 for Nick to detail out and share with Pablo. Pablo and Nick to suggest the flow meters that can be used (by 09/09/2022), keeping in mind these flowmeters are not going to be used to control but to be used for monitoring purpose only. This will not see any direct hard radiation (envisaged to be installed inside the shielded bunker).
4. Probir will set up the charge code with Project office/Jim Fast for the list of people to be defined (required) by Brian by 09/09/2022.
5. Probir will set up a regular meeting may be bi-weekly to start with and will change with the work progress.
6. Team is strongly recommended to see the set up for the prototype coil test in prep in the measurement lab (Bldg#36). All I&C work is completed to charge the coil (prototype#TM3), required to hook up the coil to be tested from HDIce and carryout diagnostic checks on 09/08/2022 (Thursday). Nick, Scot and Mike Beck will be carrying out the checks and prepare for charging the coil to full 800 A on Monday (09/12/2022).
7. Nick and Brian suggested pros and cons MOLLER PLC - Allen Bradley vs Siemens vs Automation Direct. Probir principally in aggrement to evalauate based on the cost. Team will need to see the cost vaiance and compatibility in ordert to make a decision. This will surely a better way mitigating any risk by having redundancity with failure modes in the future.