

## News from LAL about Vacuum CC

- Michel Gaspard appointed as Technical Responsible for LAL team
- Decabling activities
  - labeling of existing cables to gain time during reinstallation
  - unplugging and protection of connectors
- LAL wishes to take care of this activity, eventually with a technical support from EGO :
  - Available people identified at LAL
  - Requires a calendar in order to plan the travels
  - EGO should take care of electrical management (stations electrically switched off)
- Open points:
  - Is there any foreseen modification of cable trays ? LAL cannot take care of this activity.
  - What is the status for platforms ? To be removed or not ?
- If the stations have to be moved, our current strategy is:
  - keep existing cables as they are
  - add extension cord for constructor cables
  - add intermediate boxes for other cables

- Stations:
  - Cryotrap: limit still fuzzy between cryotrap control and vacuum control  $\Rightarrow$  deeper discussion is needed
  
  - From the general point of view, we need clear specifications in order to be able to start the real design of stations:
    - vacuum sequences
    - technical characteristics of vacuum components:
      - needed electrical power
      - single-phased or three-phased
      - isolation measurement
      - status
      - commands
      - ...
    - UPS or not
    - origin of 24V DC
    - alarms
    - error reporting
    - safeties
    - ...

$\Rightarrow$  Need for dedicated meetings between Antonio, Michel and Fabien for specifications

$\Rightarrow$  Request for a production and installation planning for all stations

- PLC:

- Components received in order to perform tests on deported IO

- ⇒ Could be used for link valves and gate valves (similar architecture as today)

- ⇒ Could be used for 300m stations

- First version of cryotrap program in progress, including handling of local/distant controls

- Work in progress: description of variables (more than 300 for a cryotrap) in an excel file and automatic tool to generate mapping for PLC

- ⇒ Simplify future modifications

- ⇒ Allow better maintenance

- ⇒ Provide first level documentation

- ⇒ Centralize information in a single place between PLC and Supervision

- Funding:

- missing funds of first convention will be notified by CNRS soon

- new convention to be written for production