Beam Gas Curtain

BGC Vacuum Control System
BGC Vacuum Controls Progress

**Hardware**

- Vacuum Pumping Groups:
  - VPGF_LHC controllers (5pcs) Ready & stored in ICM storage
  - R2E Local Crates (5pcs) Ready & stored in Flex building
  - Mini Rack 16U: Ready & stored in Flex building
  - Local Cables (rack & tunnel side): Manufactured.
- BGC PLC controller: Manufactured & tested.
- Purge Primary Pump controller: to be manufactured & tested in December (2 days)
- Piezo controller: Ready & stored in ICM storage
- TPG300 controllers: already installed in UA43.
- Cabling campaigns: Starting 9 December 2022.
- Request of 2 Ethernet sockets: 18 of January 2023.
BGC Vacuum Controls Progress

Software:

• BGC SCADA data base: Ready
• BGC SCADA: Finished & test at week 49 2022.
• BGC PLC interlocks with VPGs: Implemented & tested.
• BGC PLC interlocks with Gauges: Implemented. Test at week 49 2022.