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 (2days)
• 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.