Gas Flow Prototype

- **Ethernet (EPICS VLAN)**
  - IOC
  - Ethernet Interface
  - Terminal Server
  - RS-232

- **Ethernet (Field-bus VLAN)**
  - ControlNet Interface
  - Flex I/O
  - ControlNet Interface
  - PLC
  - Ethernet Interface
  - Ladder Logic
  - Gate Valve I/O
  - Analog and Digital Signals
  - Scroll pump control
  - Magnetic Starter
  - Gauge Controller
  - Mass Flow Controller
  - Turbo Pump Controller
  - Gas Flow Prototype

- **Beamline**
  - Gate Valves
  - Scroll Pumps
  - Pirani + Cold Cathode + Baratron Gauges
  - Mass Flow Unit
  - Turbo Pumps
Beam-line Prototype

GUI
Server

Ethernet (EPICS VLAN)

Ethernet (Field-bus VLAN)

ControlNet

Flex I/O

Ladder Logic

Gate Valve I/O

Analog and Digital Signals

Gauge Controller

Ion Pump Controller

RS-232

Ethernet Interface

ControlNet Interface

Flex I/O Interface

PLC

RS-232

Ethernet Interface

Server

Beamline

Gate Valves

Pirani + Cold Cathode Gauges

Ion Pump

Terminal Server

IOC

Ethernet Interface

Serial Interface

RS-232

Ethernet (Field-bus VLAN)