## **Integrated Service Riser**



Mechanical and electrical services were required to serve a laboratory bench with specialist equipment located in the middle of the room. All services and main isolators needed to be readily accessible but contained such that installation was 'user friendly'.



Electrical sockets and RCD's located on one side of the riser



Flow measuring gauges and gas regulators located on adjacent side of riser

## Internal Laboratory Service Riser

Purpose made riser to house mechanical and electrical services serving specialist equipment located on adjacent laboratory table



Secure access to main isolation valves

- Multi-service, co-ordinated integral riser serving specialist equipment comprising of process chilled water, laboratory gases and electrical supplies.
- Electrical services located within dedicated compartment of the riser, providing separation of the water and electrical services.
- Easy direct access to isolators and plugs.
- Avoids trailing leads and cables across the floor.
- All gas regulators are at an accessible level for the user and engineer.
- All flow gauges are at one visible level and clearly identified.
- All valves are located within the riser therefore no requirement to access the ceiling void to isolate services.
- Pipework concealed within the riser, thus less risk of accidental damage.
- The design of the riser benefited the maintenance & commissioning engineers, specialist equipment installers and end users.