



# CTM Europe Ltd



- Cardiff based, 30 years in operation
- Specialists in cryogenic fluid engineering
- Super insulated Vacuum Lines (SiVL)
- Supply of Biobanks, Dewars and cryogenic equipment
- Design and Build Solutions
- Cryogenic storage solutions (in planning)



# Cryogenic Fluid Engineering



- Design and installation of cryogenic systems
- 80 years experience on the team
- Wide ranging supplier and sub-contractor relationships
- Cooling baths
- Cryostats
- Monitoring systems via a BMS



# Super insulated Vacuum Lines (SiVL)



- Trained and approved installers
- Turnkey or supply only
- Flexible and Rigid options
- Full traceability
- Increased system efficiency
- Ultra low evaporation rates
- Minimal heat transfer (<0.45 watts/metre)



# Supply of Biobanks and Dewars



- The optimum in sample storage
- Down to  $-180^{\circ}\text{C}$  in the vapour phase
- Low temperature booster to  $-196^{\circ}\text{C}$
- Ultra-low evaporation rates
- Network capability into a BMS
- Dewar sizes from 50L to 350L
- 6-8 week lead time



# Design and Build Solutions



- Qualified designers and skilled engineers
- Gas and liquid pipework systems
- Detailed consultations
- Turnkey solutions available
- Regulations compliance
- Improved capabilities
- Traceability of build through Lloyds Register

# Some Of Our Clients





**And Finally....**

**Any questions?**