



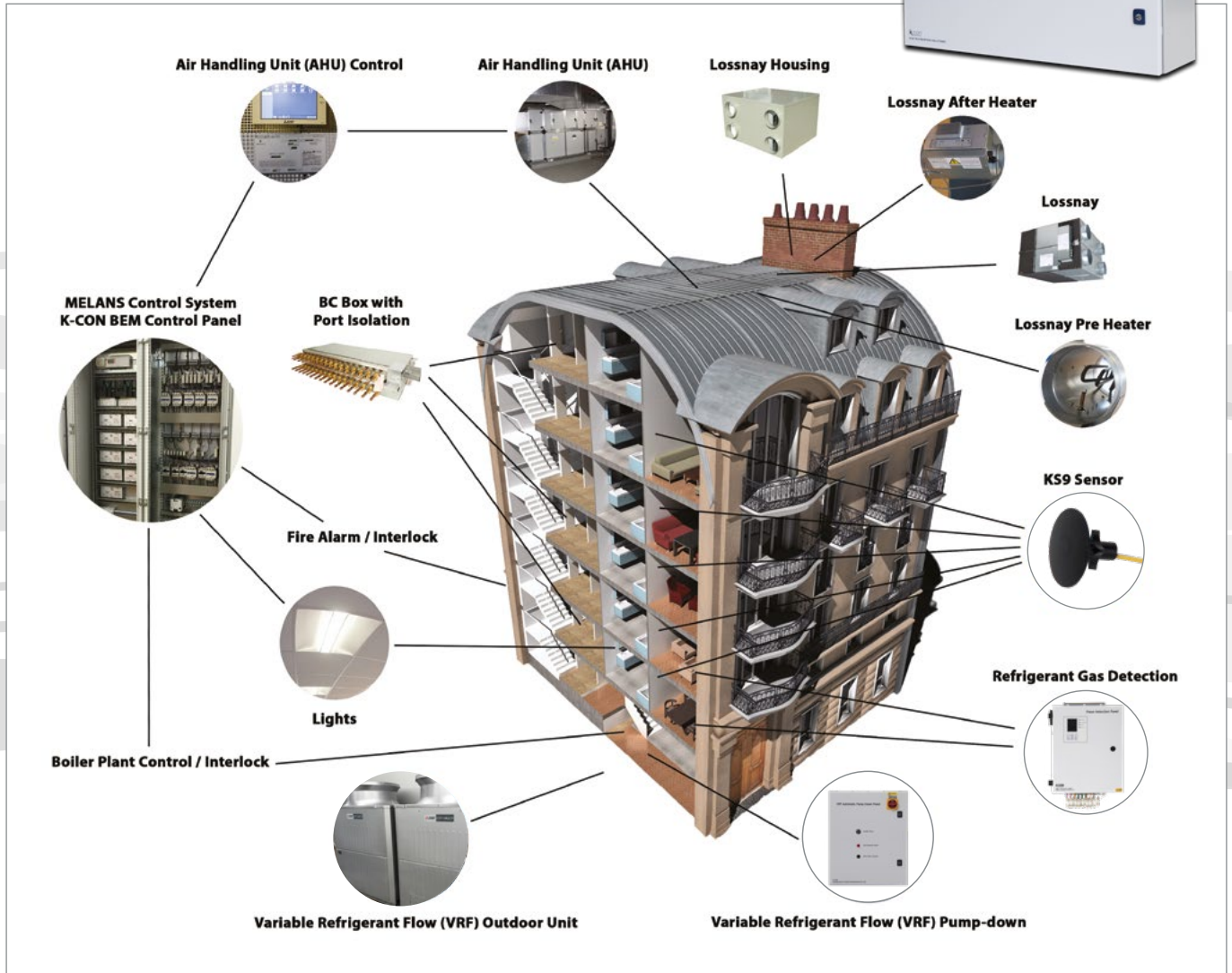
Kooltech Bespoke Solutions

ENVIRONMENTAL CONTROL PANELS

Kooltech offer a range of control panels designed to maximise the efficiency of air conditioning, pumps, AHU and heating systems, whatever the application. From the simple, single unit control panels to the more complex, multi-unit controllers offering remote operation via LAN.

Our specialist bespoke design and build service perfectly matches individual demand.

- Range of standard control solutions
- Bespoke design and build service for individual needs



ENGINEERED AND MANUFACTURED IN THE UK BY



Client: **The Menagerie Bar and Restaurant**
Design Consultancy: **Davies Partnership**
Main Contractor: **Cheshire Contracting and Control**
HVAC Contractor: **Dovebrace Ltd**

Kooltech worked with Davis Partnership from the early stages to design a modern and efficient HVAC system and a state of the art mechanical control panel for this high-end restaurant. The customer had a need to harmonise controls for all mechanical services through a single control panel. Kooltech designed a K-con Bespoke Control Panel to integrate not only the Mitsubishi Electric PURY VRF, PLFY ceiling cassettes and Lossnay heat recovery but also Domestic Hot Water pumps, Kitchen heating port valve control, Boiler, LPHW pumps, Gas solenoid interlock control, Kitchen AHU, Kitchen temperature and DHW cylinder temperature. A Mitsubishi Electric AE-200A 10-inch touch screen display controller is housed in the front of an enclosed metal cabinet and is fitted with an ethernet port as standard allowing remote connectivity. Specific PAC-YG66/63 interfaces were built into the panel to send and receive both analogue and digital signals to particular HVAC services. The panel gives full control and monitoring of the HVAC services on the premises.

Other features of this specific panel;

- Individual control up to 50 indoor units (M-NET addresses).
- Daily, weekly and annual schedule including night set back to protect the fabric of the building.
- Control directly from a device through cross over cable or LAN via hub/router.

Kooltech provided full commissioning of the Mitsubishi Electric equipment and the control panel. All systems were thoroughly inspected and checked against design and working drawings to ensure maximum system efficiency. Commissioning log books were provided with an accurate operating record of the working system.



HEAD OFFICE - GLASGOW

Strathaird, 12 Mossland Road, Hillington Park, Glasgow G52 4XZ
Email: glasgowbranch@kooltech.co.uk

0345 034 4180 www.k-con.co.uk

ENGINEERED AND MANUFACTURED IN THE UK BY

kooltech

SCOTLAND PROJECTS

Tel: 0345 034 4181

Email: scotlandprojects@kooltech.co.uk

NORTHERN PROJECTS

Tel: 0345 034 4182

Email: northernprojects@kooltech.co.uk

SOUTHERN PROJECTS

Tel: 0345 034 4183

Email: southernprojects@kooltech.co.uk