

NHS Project: Medway Foundation Trust

Cooling and Quiet Racks Support New Hospital Network



In July 2013 The Rack People successfully bid for a ground-breaking project at Medway Maritime Hospital. The tender required a range of rack solutions to facilitate deployment of new nodes containing fibre switches which would support a new telephone system and wireless access points. After visiting the 28 site locations and working closely with the NHS Project Team, The Rack People identified and supplied a unique combination of solutions, featuring;

- ✓ **Cooling without major building works** or drilling through exterior walls
- ✓ **Noise reduction** to prevent the equipment noise from having a detrimental impact on patients, staff and other people using the spaces
- ✓ **Resilience** including N+1 Redundancy for PSUs and some cooling systems
- ✓ **Monitoring** of air temperature to control airflow and activate alerts
- ✓ **Security** to prevent unauthorised access
- ✓ **Safety** to provide remote alerts in the event of smoke or fire
- ✓ **Maximising the space** available at each location

Solutions were needed for two location types - peopled areas & smaller spaces;

Staff offices, public areas, waiting areas or day rooms required cooling, noise reduction and suitable aesthetics. Our solution provided 7 kW of cooling (some with ducting to remove the hot air entirely from the room), resilience, high noise reduction and a suitable light reflective or real wood finish.

Electric cupboards or store rooms with restricted air-flow required a clever cooling solution. Noise reduction and aesthetics did not need to be considered. Our solution provided N+1 Redundancy plus 10 kW cooling with heat ducting to remove the heat entirely from the space.



"The project management, delivery and installation of acoustic and ICAS cabinets to the Trust was handled with a high standard of professionalism and a can-do attitude. The Rack People worked with the Trust to provide or engineer products that suited our specific needs and achieve an environment that will support our network throughout its future development and deployment."

Craig Allen, IT Projects and Operational Manager, Medway Foundation Trust