
Waterford Regional Hospital

Upgrade of Theatre Ventilation, AHU and Ductwork to HTM 03-01 Standards



“AHUs are crucial in theatre ventilation systems. The 15 year old existing AHU represented the opportunity for an old system to be upgraded up to the latest HTM 03-01 standards”

The ventilation system supplying air to operating theatre 8 in Waterford hospital was over 15 years old when Sirius were first awarded the HVAC maintenance contract for all of the operating theatres on the site.

Theatre 8 in particular needed considerable upgrade work to bring it up to the standards required by the HSE, according to the HTM-03-01 document.

Sirius proposed a “Turnkey” solution for Waterford Hospital. Our HVAC specialists proposed a new configuration of the supply and return ducting, a new Air Handling Unit with the facility for heat recovery and humidification, and optimised controls for variable air supply and energy management.

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FINAL CLIENT

HSE - Waterford Regional Hospital

LOCATION

Dunmore Road, Waterford - Ireland

SERVICES PROVIDED

Supply and installation of new AHU (HTM03-01) Ductwork Modifications BMS Design and supply Theatre Balancing and Validation; HEPA Filters Testing; Water Commissioning & Balancing

DURATION

Dec 2010-March 2011

REFERENCE CONTACT

Mr. Ken Power, Technical Services Department Manager, Tel: +353 (0)51 84 8000

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The system installed fully meets with the HTM-03-01 requirements, recovers energy due to the re-configured return air ducting, and allows for easier inspection & maintenance. The Duty/Standby arrangement on the supply and return fans, including duplicate VSD's means that this Theatre has full redundancy and can be relied upon to be available at all times, except during planned routine maintenance.

This project was the first project for Sirius that involved a refurbishment of a system to meet with the HTM-03-01 regulations and was very successfully delivered.

The combined skills within the Sirius Group, HVAC, Energy, BMS, Commissioning and Project Management made this an ideal project for our company. The need for multiple sub-contractors was also negated for the HSE leaving them to deal with just one vendor with full project delivery responsibility.

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