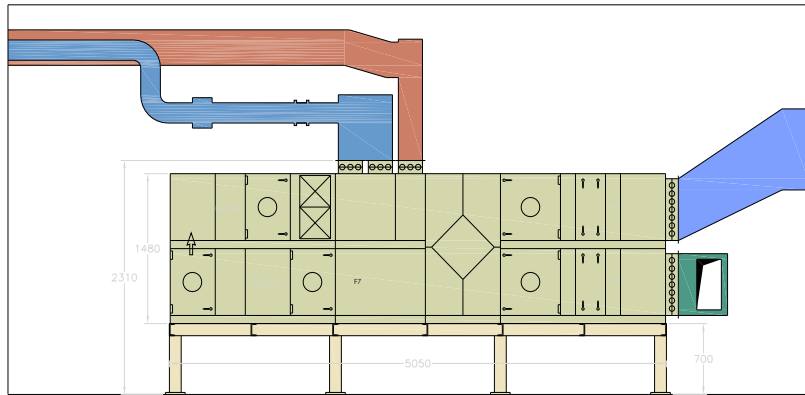


Waterford Regional Hospital

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



“The new system installed fully meets with the HTM-03-01 requirements allowing for energy recovery and for easier inspection & maintenance”

Our HVAC specialists designed a new configuration of the supply and return ducting, so to allow the separation of the two systems and the installation of an additional Air Handling Unit serving Theatre 07 with the ability for heat recovery and humidification, and optimised controls for variable air supply and energy management.

The system installed fully meets with the HTM-03-01 requirements allowing for energy recovery and 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.

Sirus succeeded in the tender for the upgrade of the old ventilation system supplying air to Waterford Hospital operating theatres 3 & 7.

Theatre 3 and 7 were served by the same AHU and needed to be separated and upgraded to bring one of the two theatres up to the standards required by the HSE, in line with the HTM-03-01 document.

This was Sirus' third AHU upgrade project in WRH and thanks to the combined skills of Sirus Team, HVAC, BMS, Energy, Validation, Commissioning and Management, the project was successfully completed to Client satisfaction.

Building Energy Solutions

Cork | Dublin | London

www.sirusinternational.com

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 2013 – February 2014

REFERENCE CONTACT

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

HEALTH + SAFETY

PSCS + Contractor

Waterford Regional Hospital

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



Sirus 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.

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 Sirus 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 Sirus 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.

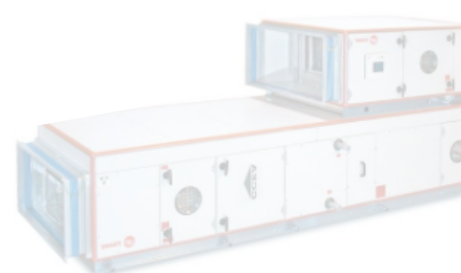
sirus

“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 Sirus 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.



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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

HEALTH + SAFETY

PSCS + Contractor
