

Genzyme Fill/Finish Plant Waterford

FDA compliant validated HVAC and BMS



Sirus was awarded the second phase contract based upon their performance during the first phase. This is a significant testimonial to our collaborative and effective approach.

Genzyme in Waterford, Ireland, required a validated FDA compliant AHU and BMS (Building Management System) for their new pharmaceutical plant which also needed to meet the standards for IMB (Irish Medical Board) licensing.

Sirus made a successful proposal for phase one of the developments in 2001 which led to the second phase award during 2004. Sirus built and manufactured the BMS off site, and the complete system, including the software, was tested and approved by the user and main contractor prior to being shipped to site. The nature of the project required special control architecture to which Siemens recommended the use of their modular, expandable, control system.

The system has 1,100 data points plus an additional 1,100 integrated points and the two phases facilities are covering 19,000 square metres. To ensure fast and reliable communication within the system from building to building, the site-wide backbone Ethernet network was installed using fibre optic technology. The final integrated system also needed to communicate with different vendor supplied equipment, including York and Trane chillers.

In addition to the many other aspects of the FDA regulatory framework, the software had to be compliant with FDA 21CFR Part 11.

Sirus believes that its expertise, experience and investment in validated system work has allowed them to attain a strong, if not unique, position in the regulated pharmaceutical building market.

Building Energy Solutions

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CLIENT

Genzyme Ireland Ltd.
Pharmaceutical Plant

LOCATION

IDA Industrial Park,
Waterford – Ireland

SERVICES PROVIDED

FDA Validated HVAC and BEMS
Design and Installation Training
Total Data Points: approx.2,200

DURATION

2003–2004

REFERENCE CONTACT

Mr Dermot Mackle Automation
Engineer – Projects
Tel: + 353 (0) 51 594100

PARTNERS

Suir Electrical Sub-Contractor
CG Services – instrument
Calibration