

CASE STUDY

Subject: Modularisation Design Experience.

Client: NRS (Magnox).

Project: Waste Treatment Area – ILW
Process & Encapsulation.

Brief: To provide HVAC Design Support &
Manufacturing Coordination to HVAC Systems
Design.



Summary Scope of Work

A new waste treatment project for the Waste Treatment Area (WTA) at Dungeness A site for NRS (Magnox). This project required a new off-site build design and installation of a Modular Containerised Plantroom (MCP).

Ingenium provided both design and engineering management to the MCP design itself and also, coordination, testing, installation and commissioning. Ingenium further provided the design and installation of the Stack Sampling and Monitoring System (Iso-Kinetic & Tritium) and systems installation for ducting and HVAC plant designed within the WTA confinement itself.

Ingenium are considered UK experts in the design of modular plantrooms and associated stack sampling systems, however they have a dedicated sister company Noventus Innovation that specialises in MCP design, both traditional methodology as well as their Configuration Software Platform.

Modular Design

Ingenium have partnered with Krantz to provide and implement modularisation into the design to maximise off-site build quality and expedience of manufacture (DfMA) and on-site installation. Ingenium work with modularisation across the UK and are developing their own configuration software platform through their digital design spin-off company Noventus Innovation.