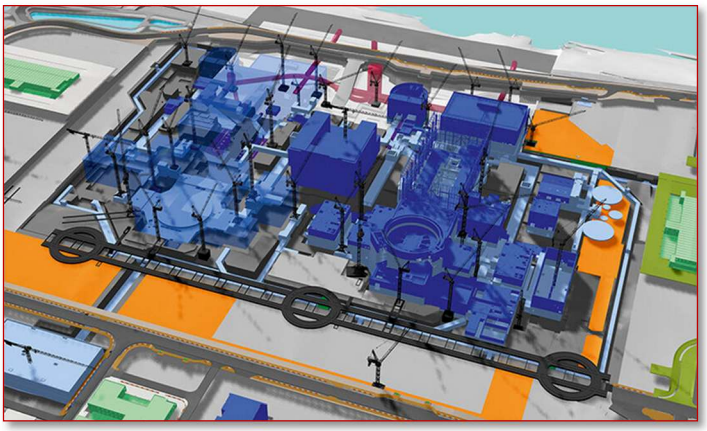
CASE STUDY

Subject: Nuclear New Build HVAC Systems Design Experience.

Client: EDF / NNB.

Project: Hinkley Point C (HPC).

Brief: HVAC Systems - Plant & Equipment Design (Nuclear & Non-Nuclear Island).



Summary Scope of Work

The Managing Partners were heavily involved in the both the bid phase in the 2010's onwards and design & build of HPC from 2016.

Graham Morrissey was the EDF HVAC Commissioning Manager for all Nuclear and Conventional HVAC systems across the site, 22 large and complex ventilation systems in total in the role of Intelligent Customer. He was one of five key stakeholders in the development of the commissioning capability right from the offset. Key interfaces were the detailed design and construction to ensure commissionability and maintainability ensured through rigorous oversight and stakeholder management.

Chris Mulhall was Lead UK HVAC Expert for the ENGIE AXIMA Partnership that led and undertook the HVAC systems design for the Nuclear Island. Chris was also lead HVAC consultant to Exyte/ Exentec (M+W) on HVAC systems serving the Non-Nuclear Island, both projects are still on going.

Ingenium Engineers have worked on significant elements of the HVAC design, including Equipment Qualification (EQ), working to RCCE standards. Chillers on CAT 1 and CAT 2 systems, and other HVAC systems, not limited to ductwork, dampers, LCU's, fans, HEPA filters and fire dampers, in particular elements of fire damper certification and testing to EIS 180.