

CASE STUDY

Subject: Safety Case Experience.

Client: AWE Aldermaston.

Project: Special Nuclear Facilities Periodic Review of Safety (PRS).

Brief: To develop AWE special facilities Safety Case to ONR PRS3 Compliance for Licence to Operate.



Summary Scope of Work

Ingenium provide Safety Case support to AWE's special nuclear facilities that require the highest level of hazard containment. Primary, secondary and tertiary systems provide radioactive material and Pu' confinement.

This is AWE's 10 yearly review of safety (PRS3) required to maintain safe operations and in accordance with their licence to operate conditions set out by the EA & ONR.

Works include detailed surveys (Walkdowns) creating Walkdown & Early Warning Report outputs. A detailed understanding of Glovebox and Active Ventilation systems is required to update the associated Safety Case documentation in line with the SFRs (Safety Functional Requirements).

HVAC systems associated with these buildings are highly complex with complex control systems. Structures, Systems & Components (SSCs) include high integrity ductwork, dampers, large and complex HEPA filter banks, fans, discharge stacks and associated stack sampling and monitoring systems.

Ingenium as specialist partners and preferred suppliers are trusted to provide expert input, support and design to the Design Assessment Reports (DAR's), which require drafting, along with Safety Case documents such as the Engineering Schedule.

Ingeniums engineering team are considered RE3 subject matter experts within the AWE delta, providing the highest trust level of approved engineering knowledge and sign off.