

# Site Security Enhancement case study



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## Programme Wide Cyber Security Assurance

Providing in-depth cyber security risk and architectural support for a physical and cyber security enhancement programme in the Civil Nuclear industry

### Situation

A large UK Civil Nuclear organisation introduced a multi-million-pound Cyber Security Programme to upgrade the security of its existing systems, introduce new systems to fill gaps in current posture and improve/introduce methodologies to support the security aspects of systems lifecycle (including risk management and governance).

### Task

Our role was to provide end-to-end guidance within the programme to ensure subject matter experts, suppliers and stakeholders were aware of and aligned to the legal and regulatory requirements for security in the UK Civil Nuclear Industry and the specific security risk appetite and tolerance of the organisation.

### Activity

Our experts provided cyber security guidance to all aspects of systems lifecycle for IT and OT systems, including assisting SMEs with security requirements, supporting the tendering process, security approval of technical designs, advising the programme board on work improvement activities, and providing IA advice to review/evaluate designs and accreditation documentation from suppliers.

### Result

As a result of our team's efforts, the programme delivered a highly capable and secure suite of IT and OT systems, that met the relevant legal and regulatory expectations.

Keywords: NISR, ONR SyAPs, IS1/2, STPA-Sec, NIST, IT, OT/ICS, Civil Nuclear

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