

Nuclear

Dependable control for decommissioning, waste treatment and site services.



Nuclear licensed sites carry out decommissioning, waste treatment and site services under close regulation by the ONR. Every change to plant and its control systems must fit the site's safety case, pass through the licensee's arrangements and be backed by evidence, often on ageing systems that have to keep running for decades.

YOUR PRIORITIES

What matters most

Working to the safety case

Design matched to your safety case classification.

Modifications under control

Modifications that are easy to justify and accept.

Plant that lasts decades

Obsolescence managed across long programmes.

Security and cyber

Control systems that fit your security arrangements.

STANDARDS

Standards we work to

ONR Safety Assessment Principles

The principles the ONR uses to judge safety cases, including for control and instrumentation.

Nuclear site licence conditions

Conditions on every nuclear site licence, such as LC 17 management systems and LC 22 modification.

IEC 61513

General requirements for I&C systems important to safety in nuclear power plants.

IEC 62138

Software for computer-based nuclear I&C systems performing Category B or C functions.

IEC 61508

Functional safety of electrical, electronic and programmable safety-related systems, across the whole safety lifecycle.

Nuclear Industries Security Regulations 2003

Security of civil nuclear sites, including cyber security, which the ONR assesses against its Security Assessment Principles.

HOW WE DELIVER

Specify

Design

Test

Commission

Hand over

Support

Systems we engineer

- Ventilation and filtration control
- Waste treatment and packaging plant
- Effluent treatment plant control
- Site utilities and infrastructure
- Obsolescence upgrades and migrations
- Alarm handling and control room HMIs

Why Matrix

- **Standards first.**
- **You own the system.**
- **Tested before site.**
- **Multi-vendor.**
- **In it for the long term.**

ISO 9001 certified • Cyber Essentials • CHAS • Constructionline • SafeContractor

Talk to us about your project

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