



— Rolls-Royce offers leading-edge technology and intelligence on a nuclear scale.

Reduce your outage maintenance burden with our remote robotic solutions and high-powered data analytics.

Our unique pool of performance data – gathered from nearly half the world's nuclear reactors – targets and right-sizes your outage, so you can maximize the reliability of your equipment while reducing the cost, risk and dose.

Plus, our state-of-the-art robots, video probes and Remote Operated Vehicles remove time-consuming activities from critical path.

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HELPING CUSTOMERS GENERATE MORE POWER FOR LONGER

We help our customers find new ways to generate more power for longer, creating a lasting competitive edge with which they can face the world's low carbon electricity demands of the future.

Our intelligent approach is to invite them to collaborate with us to develop long-term relationships so we can use their data to create intelligence that can generate lifetime savings, making the operation of their nuclear power stations more efficient, simpler and easier.

Our expertise spans data analytics and world-leading instrumentation and control systems, to engineering design and site support services like robotic inspections. This equips power station operators with the essential tools they need to face the current cost and reliability challenges, as well as positioning them as strongly as possible for the future.

Turning data analysis into operational intelligence creates value

We break through barriers to greater operational reliability and efficiency by collaborating with customers to analyze, diagnose and optimize their operations, using cutting edge predictive data techniques.

By combining our unique data resources with our world-class engineering design and services, the insights we create bring lifetime savings and bring existing nuclear power stations into a new, intelligent age.

Predicting maintenance, managing obsolescence

From maintenance optimization to obsolescence management, our tried and tested technology brings new clarity and insights to how operational availability and efficiency can be improved; new ways to optimize asset management; and innovation to manage the complex and dispersed supply chain to secure best value for our customers.

And this is just the start. Our vision for bringing our intelligent approach to our customers will transform how clearly they see new savings and efficiencies in their operations.

Almost half the world's reactors rely on our systems

Rolls-Royce has a 50-year heritage in supplying critical safety control and instrumentation systems, back-up power generation, and more recently heat exchangers and waste treatment systems.

We're also one of the only end-to-end in-house suppliers in the world for back-up diesel generators, using the full scope of the Rolls-Royce Group to design systems, manufacture and supply equipment with full I&C integration. Among the many systems projects we're currently supplying OEM long-term I&C support solutions to all 58 EDF reactors in France; performing Safety I&C modernization for 20 French 1300MW reactors; delivering rod control, neutron instrumentation and pressure transmitters to all CPR1000 reactors in China; as well as heat exchangers to Hinkley Point C in the UK.

Value from integrated services for a lifetime partnership

Focusing on efficiency and cost reduction across the lifetime of nuclear power stations, we provide integrated through-life engineering design and site support services that span the latest capabilities in physical, systems and cyber security strategy, to plant process computer systems; remote inspections and non-destructive testing; component design, small component manufacture; supply chain integration and commercial grade dedication.

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