

POWER AND ENERGY

# NUCLEAR SAFETY AND RISK MANAGEMENT

#### **Nuclear Safety and Risk Management**

By law, all nuclear facilities are required to maintain a lifetime safety case.

This live document is reviewed at regular intervals to ensure the safety of the facility, staff and surrounding community. For the past 50 years, ABS Group has not only supported nuclear operators as they demonstrate and improve the safety of their facilities, but are at the forefront in developing methodologies, many of which are still used today. With worldwide experience in the US, Europe and Asia, we are familiar with a diverse range of regulatory requirements, supporting operators and providing our expert advice to National Nuclear Regulators.

## **Demonstrating Safety of our Nuclear Facilities**

Safety is a primary concern to stakeholders of nuclear facilities including governments, the facility operators, its regulators and the general public. ABS Group draws from a rich nuclear heritage, providing expert assistance with risk assessments and safety justifications.

Our experienced assessors are familiar with the progression of safety cases through the approval processes and on to regulatory submission. In addition, our capability extends to hazard identification; deterministic and probabilistic safety assessments; availability, reliability and maintainability assessments; safety case support and independent peer review.

## A Nuclear Heritage





## **Our Services**

Within the nuclear industry, we perform a full range of nuclear safety, risk and integrity services across the entire facility life cycle:

## **Nuclear Pre-Existing Facility**



- Hazard Combinations Interfaces Between
- Topic Areas Cliff Edge and Beyond
- Design Basis

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Structural and

Operating Experience

Mechanical) • Engineering Schedules