



## CASE STUDY

# Investigation of Critical Equipment Failure at Nuclear Power Plant



A major European renewable energy company faced scrutiny over their investigation methodology following a critical equipment failure at a nuclear power plant. The failure led to an unscheduled shut-down, prompting an investigation by the energy provider. This was challenged by the equipment manufacturer, who claimed that the methods and conclusions were flawed. CEERISK was engaged by the energy provider to independently evaluate the investigation process and provide insights into the manufacturer's responsibilities when production defects are identified.

Our assessment focused on reviewing the investigation methodology to determine if it adhered to industry best practices and relevant standards. This included analysing the steps taken to identify the root cause, the evidence used to support the conclusions, and the validity of the criticisms raised by the manufacturer.

We also provided insights into the obligations of manufacturers to address non-conformities in their products and the extent of their responsibilities in such scenarios.



Our findings demonstrated that the investigation followed recognised methodologies and effectively addressed the key technical issues. We also clarified the manufacturer's role in mitigating risks associated with production defects, reinforcing the energy provider's position.

This analysis was presented in a detailed expert report, supporting the client in defending the integrity of their investigation during the dispute.

We also had the pleasure of acting as expert witnesses and testifying on behalf of the client to further strengthen their position.

