

SMALL MODULAR REACTOR

APPLICATION : SUCESS STORY



SMALL MODULAR REACTOR (SMR)



NUCLEAR

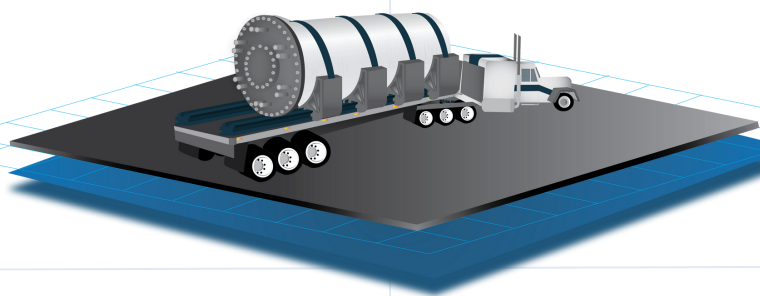
In the early design phase of a SMR, Nucleom offers support to optimize maintenance. Using ultrasonic testing (UT), we ensure the quality and integrity of welded components, especially those that will be under high stress or pressure during operation. As NDT specialists, we help engineers and asset owners meet their SMR project objectives and optimize their design for future maintenance needs.

WHY IS NON-DESTRUCTIVE TESTING IMPORTANT IN SMALL MODULAR REACTOR DESIGN FOR MAINTENANCE ACCESSIBILITY?

Accessibility for maintenance must be considered during the design stages of SMRs. The compact nature of these reactors may make necessary inspections, operations, and maintenance more challenging throughout their life cycle. If components are not easily accessible, it could result in difficulty identifying and correcting issues that arise during operation, potentially leading to safety risks and cost implications. Proper coordination of manufacturing processes, and consideration of inspection accessibility during design can help ensure SMRs are operated safely and reliably for their entire life cycle. Non-destructive testing is an important tool that can be used to ensure the quality of manufactured and welded components and to identify any potential issues that could impact safety.

ABOUT US

Nucleom is a leading Canadian company offering customized inspection solutions for various industries, including nuclear. Our highly skilled engineers and technicians are dedicated to solving complex maintenance challenges.



Nucleom remains at the forefront of technology by developing new asset integrity management methods, integrating inspection systems, and utilizing cutting-edge equipment. Our commitment to quality and safety is reflected in our tailored solutions that meet our clients' unique needs worldwide.

Get expert maintenance solutions with Nucleom! Our comprehensive range of services includes design, R&D, inspection, engineering, data analysis, integration, on-site support, training, and consulting.

TO LEARN MORE ABOUT OUR SOLUTIONS, CONTACT OUR SALES TEAM

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