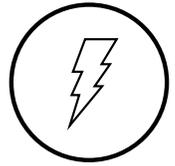


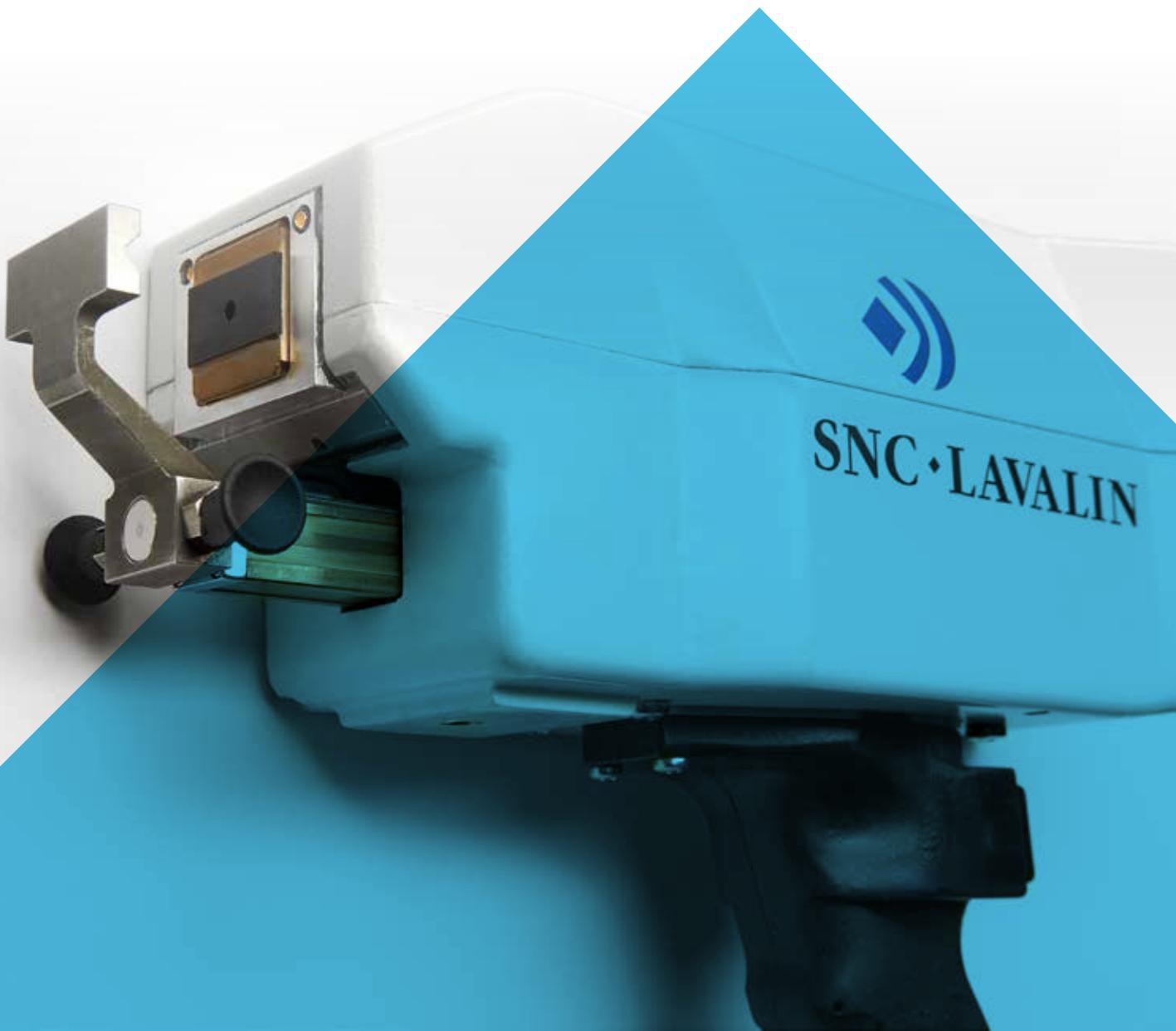


SNC • LAVALIN



Cable Aging Management

As nuclear power stations operate longer, a robust qualification and aging management program is key to ensuring safety and reliability during normal operations. Particularly crucial is the ability to monitor and evaluate aging cables.



SNC-Lavalin – Reliable, Proven

With more than a century of experience in the power sector, and over 60 years invested in the nuclear industry, SNC-Lavalin develops nuclear projects, products and services tailored to our clients needs. Safety, quality, innovation and excellence in project execution are the values we live every day. We strive to “think like an operator” to bring you proactive solutions to issues before they arise.

Our Solution

As part of a plant's cable aging management, we offer nondestructive examination (NDE) and analysis to identify the indentation parameters and response time, in order to trace the degradation of cables and polymer-based components. Cable degradation response time is very sensitive to some of the irradiated PVC cable jackets. Through data analysis, we can evaluate the level of cable irradiation and make recommendations on fitness for service. As part of our complete turnkey solution, we offer our unique, patented hand-held Advanced Portable Polymer Tester (APPT).

Our APPT is the most advanced technology available on the market with many features overlooked in other products. In addition to indenter modulus and recovery time, it has state-of-the-art controls technology, temperature controlled at known temperatures for data consistency and accuracy, flexibility, portability and enhanced field setup. Overall, we offer a cable management service that accurately determines the current condition of low-voltage power and control cables. Through pre-screening for degradation of cables and polymer-based components, utilities can save money by eliminating the use of more invasive electrical tests.

Our solution meets or exceeds best practices and meets the latest regulatory requirements in cable aging management, including but not limited to:

- > IEC 62582-2-2011;
- > IAEA No. NP-T-3.6;
- > REGDOC 2.6.3;
- > Aging Management;
- > USNRC Regulatory Guide 1.218

Applicable to Different Industries

The APPT is suitable for monitoring cable aging management in many settings:

- > Nuclear power plants (CANDU, PWR and BWR)
- > Conventional power plants
- > Other industries (e.g., aerospace)



Reliable and Proven

SNC-Lavalin knows the needs of plant operators, and strives to provide practical and feasible solutions to issues before they turn into problems. Our cable aging management service meets the industry standard for safety and reliability, and provides our customers, in the nuclear industry and beyond, with reliable solutions and services.



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Building what matters



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