

Installation of a PLC in the ANTARES accelerator terminal

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The ANTARES 10MV accelerator at ANSTO was originally built in the 1960's. The terminal was upgraded in the 1990s and early 2000s. It was very basic in operation due to the harsh operating environment and technological limitations at the time. Technology and user requirements have changed significantly since then and a need was identified to increase the capabilities. This presentation discusses the installation and testing of a PLC in the terminal and the challenges of protecting it from the effects of high voltages.

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