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# First New Zealand Installation of a NOJA Power RC10-200 Successfully Commissioned

Deploying New Features into Classic Switchgear

21 February 2018 – In a valley overlooking a bay on the North Island of New Zealand, NOJA Power confirm the successful commissioning of the first New Zealand installation of a NOJA Power RC10-200 Upgrade Kit. The RC10-200 system is a conversion upgrade path for NOJA Power’s Legacy RC01 controlled OSM Recloser product, providing utilities with the ability to deploy the comprehensive modern suite of protection functionality whilst maintaining use of their primary switchgear investment.

Figure 1 – NZ Installation of RC10-200 Control System on a legacy OSM Recloser

Driven by rapid processes of innovation within the technology space, utility trends are growing to expect that whilst primary switchgear may last many years, control technology can struggle to keep up. Fundamentally, primary switchgear such as a Recloser can be reasonably expected to serve a full 30-year life, whilst observing the evolution of control systems can be starkly demonstrated by the difference between a 1980s computer and a modern smartphone -



miraculous when observed in isolation. The RC10-200 upgrade path is a replacement of the control system, allowing utilities to maximise the return on investment in primary assets and essentially eliminating the High Voltage work required in a switchgear site upgrade.

NOJA Power's RC10-200 upgrade kit is packaged as a simple adaptor connected to one of the company's flagship control systems, providing a quick and simple interchange to upgrade the control technology connected to the OSM Recloser at the top of the pole. The option is provided to use the existing control cable, which removes all need for HV electrical work on site. The alternative is a replacement control cable with an interchange system to allow communication between the new generation of controllers with the old generation of Reclosers. All OSM Reclosers of the RC01 control generation are upgradeable using either of these pathways.

*Figure 2 – Converter Option for RC10-200 Connections using existing cables, showing weatherproof case*



“In general discussion with senior executives in electricity utilities globally there is a generally accepted opinion that primary switchgear plant like a recloser circuit breaker tank should have a 30 year pole life,” says NOJA Power Group Managing Director Neil O’Sullivan, “but the integral electronic controller cannot reasonably be expected to last more than 10 years and allow the utility to continue to achieve their smart grid objectives. By providing the RC10 200 Series upgrade our electricity utility customers can get a longer life out of the primary plant circuit breakers tanks and continue to achieve their smart grid objectives by the upgraded functionality available in the RC10 and RC15 controls.”

NOJA Power are dedicated to developing new products to solve the distribution challenges, and the upgrade path for older generation controllers to the RC10 or RC15 controllers provides a wealth of new technology to utilities solving modern distribution challenges. To learn more about the NOJA Power RC controllers or upgrading your fleet of NOJA Power Reclosers,

get in contact at [www.nojapower.com.au](http://www.nojapower.com.au)