

Engineering Smart Utilities

G'day ,

Welcome to the June edition of the ACE Newsletter, where we bring you the latest updates and successes from ACE's clients, partners and employees, showcasing our commitment to innovation, engineering excellence, and community engagement.

Private LTE Alarms Integration with PTA SCADA System



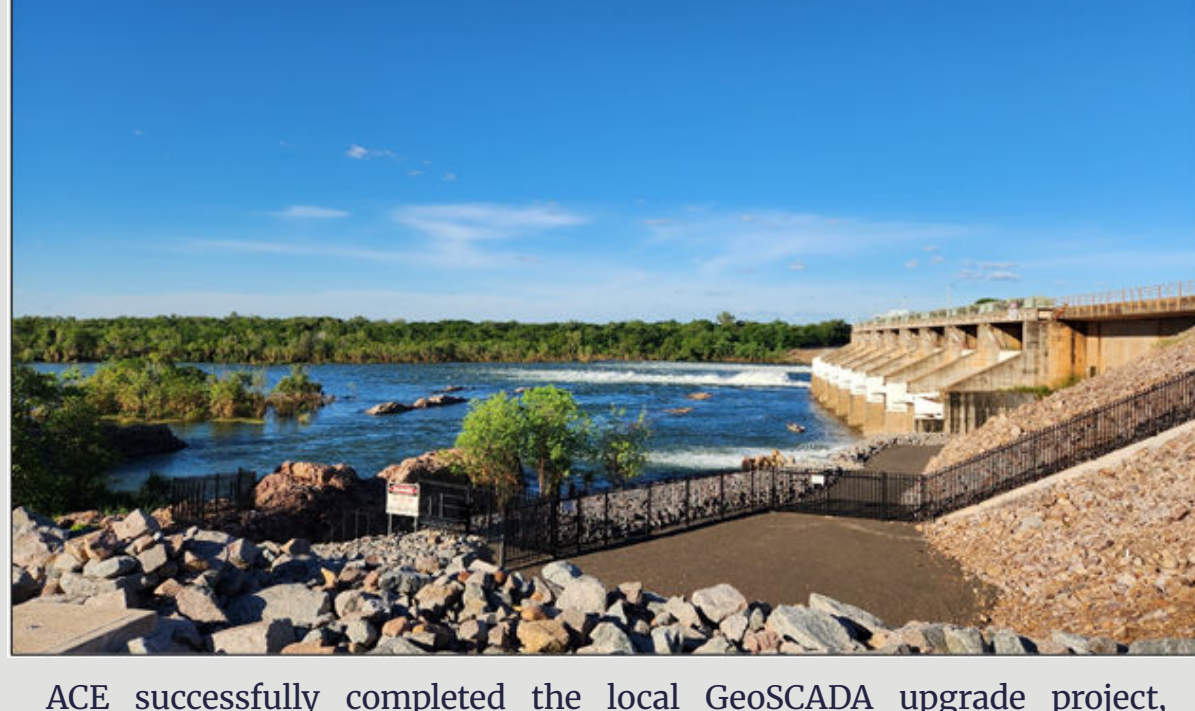
ACE successfully established a critical data link between the Nokia LTE alarm data centre and the PTA's SCADA systems.

The project aimed to prove not only the feasibility of a specific communication path but also the alarm mapping and acknowledgment across different systems with various protocols. ACE was responsible for designing and implementing the solution and testing it with the Nokia team over a VPN tunnel.

Our engineer worked diligently to create an API that connected Nokia's system to PTA's SCADA systems in a test environment. After several rounds of testing, we presented the system workshop to PTA, who was satisfied with the results. This PoC laid a foundation for upcoming programs in the rail industry, not only in Western Australia but the similar applications around the world. Special thanks to the collective efforts of the ACE and Nokia teams.

Smart Utilities Solutions

Local SCADA Server Upgrade for Water/wastewater Infrastructure



ACE successfully completed the local GeoSCADA upgrade project, transitioning from Schneider ClearSCADA to GeoSCADA. This upgrade involved configuring new servers and deploying ACE team members to 74 locations, replacing a total of 84 servers over a four-month period.

These sites represent critical infrastructure, where local SCADA server hardware replacements pose significant risks to essential operations and running equipment. The remote SCADA servers function as standby systems, working alongside the primary local server to manage critical daily operations and handle communication or emergency control scenarios.

The project was crucial, as many communities rely on local databases due to limited or no internet connectivity for normal site control methods. ACE thoroughly tested each server with a site operator and remote operation centre to ensure functionality, communication, and user requirements were met.

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Redundant Power Supply (RPS) Supply and Commissioning

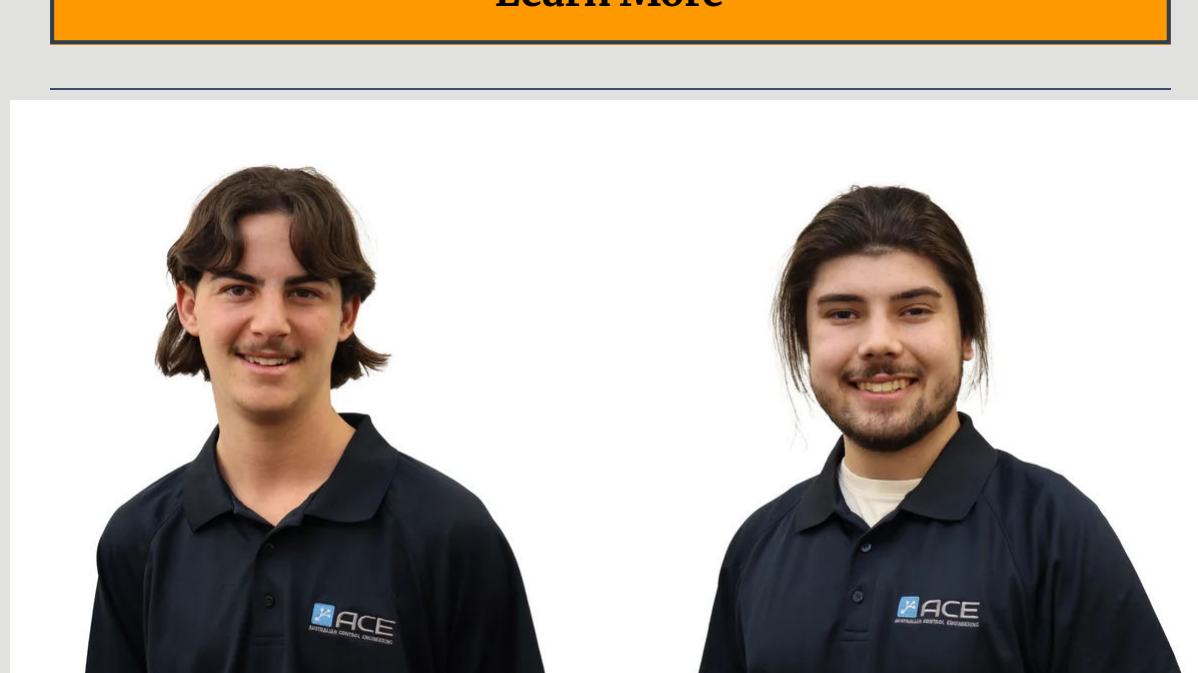


ACE is proud to have supplied and commissioned a redundant power supply system for a critical SCADA and communication equipment for an utility client.

The RPS system provides uninterrupted 48VDC power to the SCADA and Communication cabinets in a switchroom, ensuring continuity of site and remote operations, especially during mains power outages.

Our team at ACE supplied, manufactured, and successfully commissioned the RPS control panels with load banks on sites, meeting the client's requirements on budget and schedule.

Learn More



ACE is excited to welcome our new interns, Jordan and Bray, both nearing their final years of engineering study. We have hand-picked these top students from university engineering schools to join our team.

At ACE, we are committed to providing abundant training on industrial engineering hardware, software, and design.

Our aim is to prepare our graduates to excel in high-pressure environments, delivering high-quality work to clients on time and within budget. We emphasize attention to detail and effective communication, both internally and externally, to ensure their fast-tracked career path in the industry.

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