

G'day ,
Welcome to the August edition of ACE's Newsletter, where we bring you the latest highlights and achievements that underscore our commitment to client success, engineering excellence, and community engagement.

Arc Flash Detection and Mitigation

Installation and Commissioning



ACE successfully installed and commissioned an Arc Flash Detection and Mitigation System at a customer's site, enhancing the safety and protection of both personnel and equipment. This protection system is designed to quickly trip the main circuit breakers upon detecting any arc flash activity within the electrical switchboards. Our team ensured the system's reliability by validating the trip time using an Omicron tester and light sources.

This achievement underscores our commitment to meticulous planning and execution, delivering value-adding services to our clients and the local community. Our client's site is now fully operational, meeting their stringent safety requirements thanks to the dedication and expertise of the ACE team.

Learn More – Relay Controlled SF6 Breaker

Telecommunication Alarm

Integration into a Rail SCADA System



ACE recently designed and integrated critical communication alarms into a client's rail SCADA system using the SNMP protocol. This communication system, a third-party proprietary setup, is limited to external interactions via SNMP, posing unique challenges.

Our team was tasked with designing an optimal pathway for data mapping and the signal conversion process, employing both hardware and software solutions. We configured a gateway to convert the signals and developed a custom API that allows the SCADA system to interpret the data for meaningful alarm presentation and acknowledgment.

While there is room for further refinement in the prototype, this solution has the potential to be applied across various utilities industries. ACE's design, programming, and testing ensured that the system was not only integrated but also tailored to meet the client's specific operational needs.

If you're interested in learning more about ACE's capabilities, please visit the link below.

ACE Capability

Allen Bradley ControlLogix

Redundant PLC System Training



We recently conducted an in-depth training series on the Allen Bradley ControlLogix Redundant System for our engineers and interns. This training is designed to enhance their skills and deepen their understanding of both the PLC hardware and software platforms. Our engineers are delving into critical aspects, particularly focusing on PLC code design to prevent system malfunctions during switchover or firmware changes, which could potentially lead to significant damages on a client's live site.

We are committed to providing hands-on training in industrial engineering hardware, software, and design. Our goal is to prepare our engineers to excel in fast-paced environments, consistently delivering high-quality work to clients on time and within budget.

Watch a video on the Redundant System

ACE Becomes a Schneider Certified

System Integrator



ACE is proud to announce that we have become a Certified Schneider System Integrator, an achievement made possible through Schneider's support and the dedicated efforts of our engineers in completing comprehensive training courses in many areas including Remote Operations (GeoSCADA, SCADApack, and Trio Radios) and PLC Modernisation (Modicon M340 and M580).

Obtaining this certification required not only significant investment from the business but also a strong personal commitment from our team to complete numerous training modules in over a period of time.

This milestone perfectly reflects ACE's unwavering dedication to delivering engineering excellence to our customers and system end users. It also underscores our engineers' commitment to their professional development.

With this certification, our clients can trust that their systems are in capable hands, supported by a team equipped with the highest standards of expertise and capability.

Follow the link below to learn more.

ACE – Schneider Certified System Integrator

Join the ACE Team!

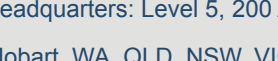
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