

ZERO DOWNTIME PLC MIGRATION

3,500+ I/O POINTS UPGRADED ON TIME, ON BUDGET WITH ZERO PLANT DISRUPTIONS



CHALLENGES

- Schneider Electric Quantum and Premium PLC platforms facing complete hardware obsolescence by 2029.
- Requires simultaneous hardware/software updates across multiple systems.
- 3,500 I/O points demand meticulous planning to avoid downtime.

BENEFITS

- Seamless transition with no production interruption during cutover.
- Standardised X80 platform simplifies future troubleshooting.
- Standardised SCADA implementation improves long-term system management.
- 40% cost savings vs market rates for equivalent migrations.
- Certified partner PLC upgrade enhances overall system safety integrity.

SOLUTIONS

- **End-to-end execution:** Combined CAD drafting, electrical engineering, and software expertise in one team.
- **Pre-wired solutions:** Custom terminal blocks minimised on-site installation time.
- **Rigorous testing:** Full process simulation ensured first-time-right commissioning.

PROVEN RESULTS

- Two months detail design/fabrication phase.
- Two weeks flawless commissioning.
- 200+ CAD drawings updated.
- 3,500 I/O points successfully migrated.
- Zero start-up issues.

YOUR QUANTUM MIGRATION MADE SIMPLE

E&C Engineering specialises in large-scale PLC migration, delivering complex projects on budget and ahead of schedule. Contact us for the migration project and execution

