

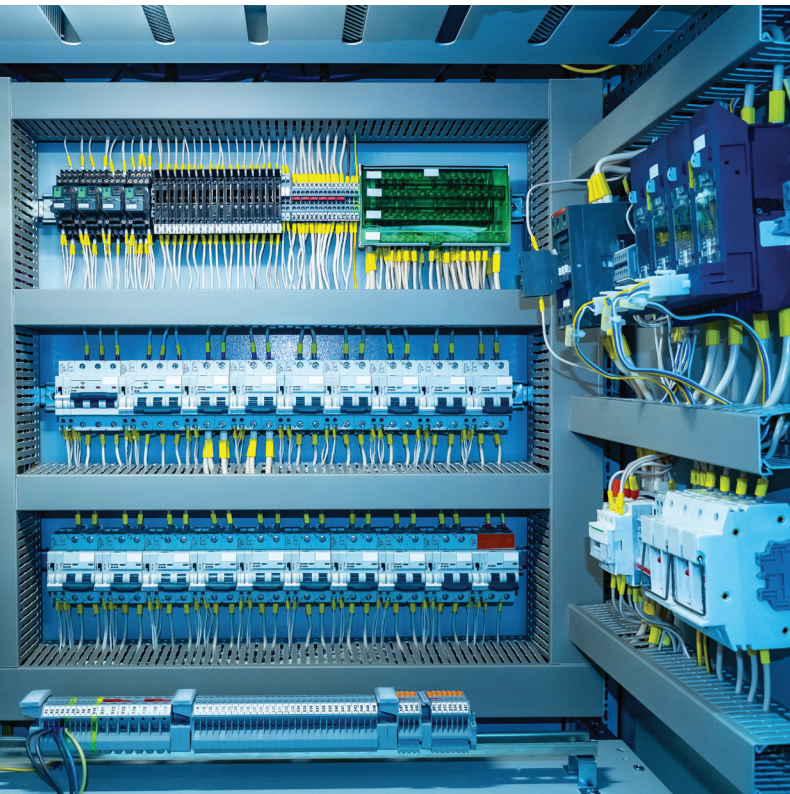


AUTOMATION & CONTROLS

Smart automation, seamless integration

At Lauren, we deliver complete automation engineering and design solutions from concept to startup. Whether you're upgrading existing systems or building a new facility from the ground up, our expert automation engineers are equipped with advanced technologies and proven methods to optimize every phase: FEED, detailed design, construction, and commissioning.

From standalone systems to full-scale distributed control systems across multiple facilities, Lauren brings decades of innovation and trusted performance to every project. Our proprietary approach drives down costs while boosting efficiency, so your control systems deliver more, for less.



SUPPORTING SERVICES

- HAT, software FAT, SAT, commissioning, start-up, training
- HMI/DCS/PLC/SIS/BMS system integration
- P&ID controls scheme depictions
- Plant control, safety system and communication network design
- Communication path studies
- Plant control and safety system hardware design
- SCADA design and integration
- Maintenance and operations support
- LOPA studies and facilitation, SIL verification
- Complete control/safety/HMI system upgrades and new greenfield installations
- Antiquated control system platform conversions
- Remote commissioning support
- Plant IT/network infrastructure design capabilities
- Virtual server setup and deployment
- VLAN's, routing, firewalls, level 3, level 2 switching, fault-redundant rings



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