



INSTRUMENTATION ENGINEERING

Precision control solutions for every project scale

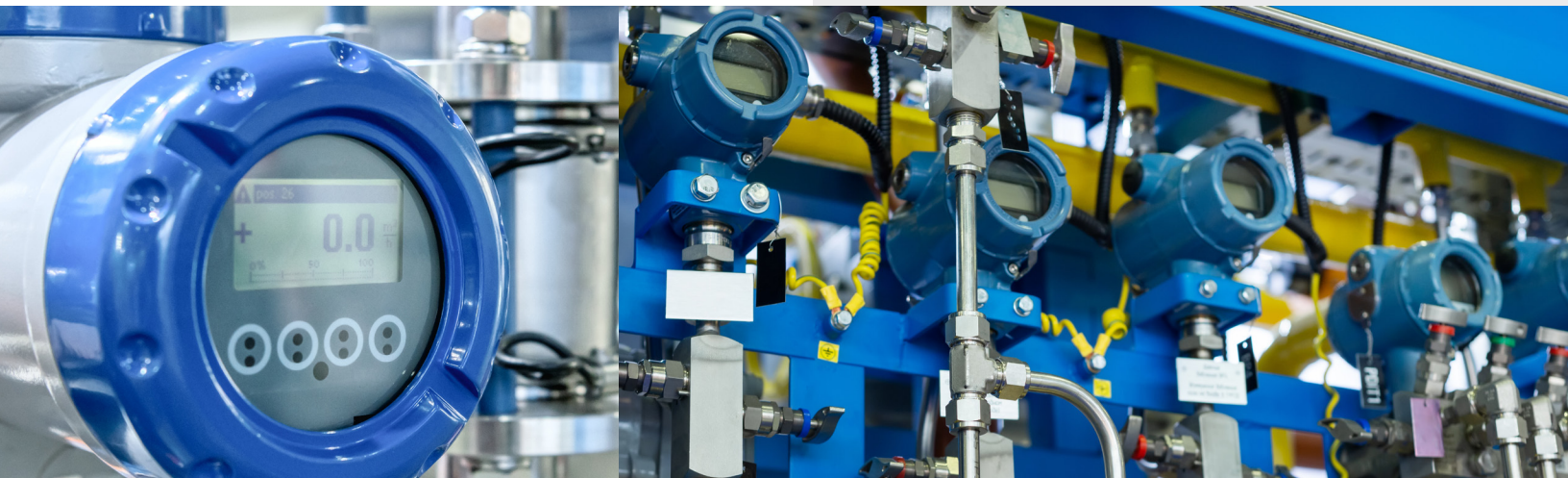
From small capital maintenance initiatives to complex multi-discipline developments, Lauren delivers sophisticated instrumentation engineering across oil and gas processing facilities, refineries, and pipeline infrastructure. Our specialized instrumentation team integrates seamlessly with process, mechanical, electrical, and project controls disciplines to ensure flawless system performance.

Our instrumentation solutions are:

- Precisely sized for optimal performance
- Strategically selected to meet operational demands
- Rigorously validated against all applicable codes and standards
- Custom-engineered to fulfill project specifications
- Thoroughly tested to verify required functionality

SUPPORTING SERVICES

- Control system design
- Instrument loop diagrams
- Instrument specifications
- Valve and flow sizing
- Participate in HAZOP
- System programming, FAT, SAT
- Analyzer/sample systems
- P&ID controls depictions and tagging
- Plant control & safety system design
- Communications and network design
- DCS/PLC programming
- SCADA design and implementation
- Maintenance and operations support
- Commissioning and startup



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LAUREN
Engineering & Project Delivery