

John Smith, CET

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ELECTRICAL ENGINEER • SENIOR PROJECT MANAGER

Skilled engineering professional offering 14+ years of domestic and international experience in all aspects of design, construction, management, controls, instrumentation and electrical systems. Proven record of success completing multimillion dollar projects on time and under budget, with onsite EI&C management of multiple vendors and clients. Expertise includes designing, programming, testing, provisioning, deploying and supporting electronic equipment. Strong technical and methodical aptitude with an innate ability to analyze, coordinate and synthesize data. Aggressive in identifying and resolving inefficient operational processes. Strong team member; able to motivate others to achieve optimal production rates while maintaining high safety methods and practices. Excel in unpredictable and hectic environments.

AREAS OF EXPERTISE

- **ELECTRICAL:** Design and ACAD of LV & MV single lines, power distribution, motor schematics, generator systems, UPS systems with power distribution, cable/conduit schedules, site and building layouts, hazardous area classification layouts, fugitive emission studies, junction box layouts, SR and MI heat tracing design and field inspection, lighting layouts/calculations, installation details, construction work packages, Field Project Management, construction supervision, pre-commissioning, start-up
- **INSTRUMENTATION:** design and ACAD of PLC/DCS/RTU panel layouts, schematics and equipment specifications, termination details, loop drawings, intrinsic systems, factory and site acceptance tests
- **CONTROLS:** pre-commissioning & commissioning of EI&C systems, startup of compressor stations, oil batteries, well sites and Burner Management Systems; networks design and commissioning, systems architecture drawings, fiber systems, Allen Bradley PLC/HMI programming,

PROFESSIONAL EXPERIENCE • MAJOR CONTRACT HISTORY

Field Electrical Engineering Technologist May 2010-Present
Worley Parsons-Shell Scotford Upgrader Expansion 1, Edmonton AB

- Represent owners for electrical systems during system walk downs and turnovers; carry out inspections with electrical code inspectors; manage signoff and turnover of system documentation
- Organize walk downs and punch list approvals; liaise between engineers and contractors

Senior Electrical Engineering Technologist August 2009-May 2010
Stantec Consulting, Edmonton AB

- Lead electrical for 2010 capital cost class 4 estimates relating to pipeline electrical switchgear building replacement projects throughout Canada; lead electrical design for pipeline electrical switchgear building replacement project; included substation switch gear replacement and distribution, 5KV motor systems, MOV controls and pump building re-wiring
- Attended client meetings and updates status/cost reports bi-weekly

Senior Electrical and Instrumentation Engineering Technologist Feb. 2009-Mar. 2009
SIGIT Automation, Calgary AB

- Lead Electrical and Instrumentation project manager and designer for grass roots 100 MMSCF Compressor Station and well sites in NE BC; produced E&I IFC drawing package and provided 3 weeks onsite construction support; managed 10+ people on detail and design phase on schedule

Senior Control Systems Engineering Technologist Nov. 2008-Feb. 2009
COLT Engineering, Shell Albian Sands, Calgary AB

- Squad checked vendor drawings packages for the Utilities area; created data sheets for various transmitters and switches; created Cause and Effect drawings for vendor systems; QA checked various controls deliverables