

# AUTOMATION SERVICES



www.patonenc.com

Paton is an integrated Engineering, Procurement and Construction provider in process control, automation and electrical installations. We offer a complete portfolio of services in alignment with our clients in the energy and process industries to improve and sustain our customers' assets.



Paton is committed to safety with **35 years without a Loss Time Injury**. We empower individuals to employ safe and environmentally responsible practices. We passionately promote the health and welfare of our teams and community.

Paton deploys a **proven phased approach** to solve today's toughest Automation challenges. By focusing on client requirements and problem identification, **we are able to implement the best technology to solve your automation challenges and improve operational efficiency**. Our phased approach to execution, vendor independence, custom in-house tools, testing and staging facilities, and single point of accountability **deliver project benefits including minimal downtime, risk reduction, improved efficiency and reduced project life cycle costs**.



## SYSTEM EXPERIENCE

- Honeywell TDC2000, TDC3000, TPS, & Experion
- Emerson Provox & Delta V
- Foxboro I/A
- Moore APAC/Quadlog
- Siemens
- Allen Bradley
- Triconex
- Modicon
- Wonderware
- Intellution
- RSView
- Bently Nevada
- Prognost
- Modbus & Modbus Plus
- TCP/IP

## CAPABILITIES

### SYSTEM DEFINITION

- System specifications & evaluations
- System selection
- System migration planning
- Feasibility Studies
- Project scoping & estimating
- Control narrative development
- Cause & Effect development
- Layer of protection analysis (LOPA)

### SYSTEM DESIGN

- Detailed engineering & design
- I/O loading
- Cabinet layout & wiring
- SIL calculations & verifications
- Programming & configuration
- HMI Graphics development
- Advanced applications engineering
- Network design
- Staging and testing
- Hot & cold cutover planning

### SYSTEM INSTALLATION

- Cabinet fabrication
- Factory acceptance testing
- System installation services
- Site acceptance testing
- Start-up and commissioning
- Hot & cold cutover

### SYSTEM SUPPORT

- System Life Cycle Management
- System maintenance
- System support
- Reliability improvements
- Obsolescence planning

#### Houston

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