WHY UPGRADE?

Reliability and Sustainability

Enhance turboexpander reliability and the ability to monitor, assess and obtain operating information with a control panel upgrade, regardless of the OEM make or model. With automated programmable logic controllers (PLC), human machine interface (HMI) panels, and a distributed control system (DCS), operators receive advanced levels of real time operational and performance data, can automate and customize safety shutdowns, plus improve overall network connectivity.

Reasons to Upgrade:

- If you have older or obsolete equipment, machine reliability and parts availability become an issue
- If your current system features obsolete pneumatic controls, gauges or outdated HMI panels
- If you are experiencing intermittent or ongoing tripping and want better diagnostic and historical data
- If after a unit failure, you lack enough data to resolve root cause(s) and prevent reoccurrence
- To get faster access to more advanced operational data
- To improve connectivity with the main DCS

Your On-Call Turboexpander Experts

Contact us today for control system design, upgrades and support services.

+1 855 FXTurbo™
24/7/365 Support Services

www.LATurbine.com
PLC & HMI Options

L.A. Turbine (LAT) performs turboexpander control system upgrades for any OEM turboexpander brand and if desired, will integrate other control system manufacturers in the enhanced design including Allen-Bradley, Siemens, Emerson and Triconex.

LAT Capabilities

LAT provides full-service in-house design, manufacturing, programming and testing plus on-site control system installation services including:

- Manufactures control systems in varied sizes and configurations including dual-redundant and Safety Integrity Level (SIL) capable PLCs
- Designs and fabricates spare or replacement parts
- Upgrades switches and gauges to indicating transmitters
- Offers optional programming for performance monitoring of bearing temperature, vibration and speed
- Provides optional integrated or remote DCS communication capabilities via Modbus or Ethernet
- Delivers upgrades compliant with:
  - Industry standards: API 670
  - Electrical standards:
    - IEC: Zone 2, ATEX, IECK
    - NEC: UL, CSA
  - Shell DEP, ExxonMobil, BP Amoco, Total S.A. and Chevron requirements
- Offers aftermarket support 24/7/365 via LAT’s FX-TURBO Field Service Team and at +1 855 FX-TURBO (+1 855 398 8726)

The company is also an OEM of turboexpanders for hydrocarbon processing, geothermal power generation and other industrial power recovery or refrigeration applications.

A global FX-TURBO Field Service Team provides diagnostics, maintenance and emergency support 24/7/365.

L.A. Turbine is a recognized leader in aftermarket repair, redesign, manufacture and production of spare parts for all LAT & non-OEM brands and configurations.

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