

# Emerson Compressor Control Solution

## Emerson Centrifugal Compressor Control Package

### Base Controls Package plus Compressor Anti-Surge Control

Drop in compressor control panel replacement for complete compressor automation, including anti-surge and load control along with automation of your auxiliary compressor components. This standard package from Emerson allows for a seamlessly integrated solution to your aging compressor controls.

#### Features and Benefits:

- Integrated DCS control in place of black box controllers
- Reduced architecture complexity
- Easy troubleshooting and self support
- One package for total compressor control including anti-surge control
- Emerson local and factory support

#### Package options:

- Site survey of compressor
- Load Sharing control
- Site commissioning
- SIL 2/3
- Integrated Vibration Monitoring and Shutdown Protection
- Performance Monitoring
- Compressor Analytics

#### Package includes:

- Standard configuration
  - Anti Surge Control
  - Fast Historian
  - Lube oil monitoring and control
  - Sealings monitoring and control
  - Interlocks and permissives
  - Automatic startup and shutdown
- Standard enclosure (up to 96 I/O)
- PK Controller and I/O
- Panel mounted HMI
- Factory Acceptance Test

#### Standalone or Integrated into the DCS

Most compressor controls utilize PLCs that can be challenging and costly to support, troubleshoot, and integrate into your DCS. The DeltaV PK Controller can integrate via traditional methods like Modbus or OPC UA, or it can seamlessly merge into a larger DeltaV system, resulting in a single native database and system.

