

## INTELLIGENT ANTI-SURGE CONTROL SYSTEM

Solar Turbines is introducing a new product in our suite of intelligent system upgrades. The intelligent anti-surge (IAS) system is the ideal solution for those looking to improve existing compressor protection, add protection to a compressor where none existed before, or replace and upgrade any manufacturer's anti-surge system that is no longer adequately supported.

### SYSTEM SOLUTION

As a standalone compressor anti-surge control, the IAS solution includes its own microprocessor controller and HMI display. This solution uses the same proven anti-surge technology found in the latest Turbotronic™ control systems from Solar. Standard features include a compressor anti-surge analysis report and compressor surge display, as well as fallback strategies used when an end device required by the primary algorithm faults or fails. The fallback logic allows the turbomachinery to continue operating and avoid unplanned shutdowns in the event of instrumentation failures.

Add-on upgrade options include:

- Recycle valve upgrade kit (quick-exhaust and I-P controller)
- New recycle valve
- New anti-surge system instrumentation



IAS Controller



Command/Feedback



Anti-Surge Valve

### IAS Suitability

The IAS is suitable for a wide variety of compressor applications and supports Solar and non-Solar compressors. The system is also scalable to include anti-surge control for multiple compressor bodies. All vintages of relay and Turbotronic control systems are compatible with the IAS.

### System Requirements

- Suitable location for mounting the IAS control box
- 24 VDC, 10 Amp power (IAS control box)
- Instrument, frame and PE grounding for control system

### Intelligent Product Line

Our intelligent line of system upgrade products delivers the same customer experience as standard Solar offerings of reliable solutions with exceptional support throughout the equipment's life cycle. Solar's family of intelligent modular upgrades provides efficient and cost-effective solutions to upgrade older package systems to current technology.

For additional intelligent product offerings, please contact your local Solar Account Manager.