

# AC COMPRESSOR CONTROL PANEL UPGRADES

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AC compressors fleet have been used in different industry sectors and applications. Among the used equipment are the single stage, multistage, and oil free compressors. Many of the turbomachinery packages have instrumentation/control systems that can be over 30 years old. In some of the panels, the control, alarming, and shutdown capabilities are performed by a relay based control system, outdated controllers, and other obsolete instrumentation that constitutes a reliability risk for plant operations.



Figure 1

Although the relay/controllers systems are operational, at times the customer is in a bad position due to the availability or lack of spare parts (relays, electronic cards etc.) that are no longer supported by RMS and OEM's. This increases the time between failures, and decreases reliability affecting the customer's bottom line by loss of production.

RMS is pleased to offer an alternative to modernize the turbocompressors controls system. The offering comprises a complete upgrade of the relay board and accessories to a Programmable Automation Controller (PAC) solution (formerly PLC) and the addition of a Human Machine Interface (HMI) and other accessories that will result in less systems failures,

and avoid long-term outages due to inaccessible spare parts. Please consider RMS as the next step for your turbomachinery controls needs.

In general, the benefits translate to modernization, enhancing performance, and improving the reliability of the control system.

- Newer, updated technology, PAC/PLC-HMI based
- State-of-the-art software plus first out, alarms, permissive, trips, process screens
- Available upgrades for machine monitoring systems, overspeed systems, etc
- Fully tested before shipment
- Lower downtime for troubleshooting - Increase productivity
- Obsolescence avoidance



Figure 2

*For more information:*

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