

## PROTECTION SYSTEM MODERNIZATION

# Is your Legacy Online Machinery Protection System Vendor Leaving you in Limbo?

Emerson's AMS 6500 ATG is a class-leading, field-proven solution to critical asset protection system modernization.



AMS 6500 ATG allows users to confidently, cost-effectively introduce predictive intelligence while modernizing existing older protection systems.

### AMS 6500 ATG: A Proven And Reliable Solution To Your Outdated Legacy Protection System

While hard to believe, many of the world's leading manufacturers have plants today using 30+ year-old-protection systems for critical production assets like compressors, turbines, generators, and others.

Additionally, widely adopted legacy vendors have left many long-time customers/end users to absorb the blows associated with long lead times, unavailable spare parts, supply chain challenges or poor support.

### AMS 6500 ATG is a class-leading, field-proven, API 670 solution to protecting critical production assets

Plants looking for the advantages of a modern protection system are turning to Emerson's AMS 6500 ATG system – an API 670-compliant protection system with embedded prediction technology.

**With 40+ years of experience in the design and installation of protection systems, we boast a modern alternative to protecting your critical assets.**

**1000+**

Obsolete systems replaced

**5000+**

Turbomachines protected



### NO TIME TO SPARE?

We are currently stocked and ready to ship our systems to customers.



### Emerson's AMS 6500 ATG

- API 670 compliant TSI protection system
- Embedded predictive diagnostics including PeakVue™ technology, order analysis and more
- Communicate and use with AMS Machine Works software to harness Advanced Analysis Tools
- Interface with other applications through OPC UA, Modbus TCP/IP, or Modbus RT
- SNTP time synchronization
- 42-Month warranty

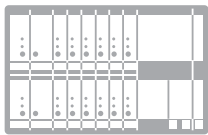
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 **JOHN H. CARTER**

Emerson Impact Partner

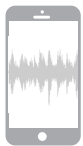
  
**EMERSON**™

# PROTECTION SYSTEM MODERNIZATION AMS 6500 ATG



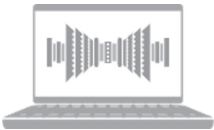
## Flexible & Cost-effective

Lower total cost of ownership with universal monitor and process cards featuring user-configurable inputs, allowing for I/O changes in the field and requiring fewer spare cards to accommodate a wide range of measurement types. The A6500-UM cards are designed to work with your existing sensors, eliminating installation labor cost associated with the upgrade.



## Accessibility & Integration

Stay in touch with your asset's health from anywhere with the latest modern technology you use in daily life. The AMS 6500 ATG easily connects to existing DCS/PLC, Historian, or HMI systems via OPC UA and Modbus TCP and RTU. All information is available via mobile app.



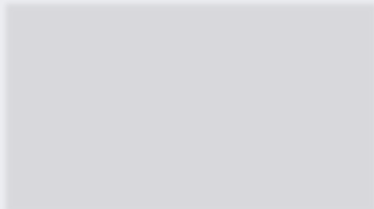
## Prediction

Know the health of the asset using the powerful embedded prediction capabilities included in all of Emerson's vibration analysis solutions, including PeakVue™ technology for the earliest indication of failure.



## Safe & Compliant

The AMS 6500 ATG is API 670 compliant and meets safety certification required for use in hazardous environments: SIL 2, CSA Class 1 Div 2, IECex Zone 2, ATEX, and DNV GL certifications.



### SHORT ANIMATION

Emerson makes it easy to modernize from an outdated protection system.

[▶ WATCH MODERNIZATION VIDEO](#)



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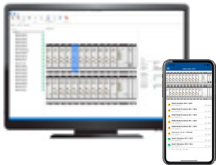
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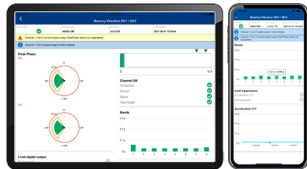
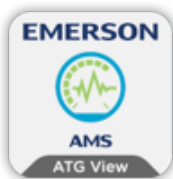
# PROTECTION SYSTEM MODERNIZATION AMS 6500 ATG

## Out-of-the-box Analysis Tools

### Machine Studio Configuration Software and ATG View Mobile App



**Machine Studio** configuration software for AMS 6500 ATG is designed to be intuitive and easy. Perform system configurations, develop trip logics, and visualize.



The **ATG View Mobile App** delivers asset health information to the user anywhere on the plant network.



## Complimentary Solution



### AMS 6500 ATG with AMS Machine Works software

Emerson's AMS 6500 ATG communicates directly over Ethernet to **AMS Machine Works** to provide high resolution waveform and spectrum analysis and "transient" recordings of data, all available on demand, by alert or scheduled.

In addition to modernizing their protection system, this complimentary solutions allow users to unite condition monitoring data from other Emerson vibration hardware and balance of plant monitoring into one suite for analysis and machinery health.

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## PROTECTION SYSTEM MODERNIZATION

# Customer Testimonials

Hear from satisfied customers who have modernized their legacy systems to Emerson's AMS 6500 ATG.

### Ingomar Packing Los Banos, California, USA

[Read online](#)

*"When we realized that our online protection system was obsolete, and it was harder and harder to get parts and/or service for it, we were extremely worried. Our equipment was at risk and the safety of our personnel that walk by the compressor every single day was in question.*

*We are very pleased with the system so far. Everything is working fine, and we would recommend Emerson's AMS 6500 ATG as the vibration prediction / protection system for other highly critical machines throughout our company."*

**Jason Palarca, Electrical Supervisor**

### Air Liquide Houston, Texas, USA

[Read online](#)

- Savings of \$2M in averted production losses
- Reduced costs of \$1.5M by prevention of repeated failures
- Material savings of \$1.5M by avoiding replacement of compressors and vibration switches

*"As part of our asset management initiative, we are gathering, storing, and analyzing data to inform our actions and improve safety across multiple sites... Having access to the data in real time means we can address issues before they cause failures."*

**Subject Matter Expert, Rotating Machinery**

### Calumet Shreveport, Louisiana, USA

[Read online](#)

- Emerson team proactively identified a potential problem and provided expertise, support and a quote before the customer considered swapping out an old BN 3500 rack
- AMS 6500 ATG universal modules provides more confidence that replacement parts are always in stock
- Flexibility of the universal cards to accept a wide portfolio of third-party sensors was very important to customer's project and budget constraints

*"We are very pleased with the system, and everything is working better than our other system. We now have a simple and cost-effective process, which is as important as the reliability of our compressor. We would highly recommend Emerson's AMS 6500 ATG as the vibration prediction/protection system for other highly critical machines throughout our company."*

**Control Systems Technician**

### Hyundai Oil Bank Daesan, Korea

[Read online](#)

Hyundai Oil Bank got worried because an existing, old vibration monitoring system needed replacement.

*"Then we decided to replace and upgrade the obsolete BN 3300 with Emerson's AMS 6500 ATG Machinery Health Monitors. "*

*"..we would recommend Emerson's AMS 6500 ATG as vibration prediction/protection system for other highly critical machines throughout our company."*

**Engineering Leadership**

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PROTECTION SYSTEM MODERNIZATION

# AMS 6500 ATG

You Now Have a Proven, Readily Available, and Long-term Supported Alternative to Your Legacy Online Protection System Vendor.

## Get Started

Speak with your local Emerson representative to learn more or schedule a no-charge proposal to swap out your existing protection system.

Contact Us here.



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