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## NEWS RELEASE

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SUBJECT: **Elliott Group Announces the Rollout of GEMINI, a Compressor Performance Monitoring System**

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Jeannette, PA – Elliott Group, a leading manufacturer of process compressors for oil & gas, petrochemical, liquefied gases, and other industrial services, today announced the rollout of their Gemini Compressor Performance Monitoring System.

Developed jointly by Elliott Group and Tri-Sen Systems, Gemini is a focused software solution designed specifically for continuous monitoring, evaluation, and analysis of critical compressor performance and associated auxiliary support systems.

"This next generation compressor control, monitoring, and analysis system will lead to improved operational control, better machine diagnostics, more functional review capabilities and should result in optimized compressor operation with increased plant reliability and efficiency," says Klaus Brun, Ph.D., Director, Research & Development at Elliott.

While there are other vibration data packages and operating data packages available in the market, according to Jim Jacoby, Senior Vice President at Tri-Sen Systems, "The Elliott Gemini is a package that successfully integrates rotor dynamics analysis, process data, high fidelity compressor thermodynamic analysis, and nearly real-time visibility of key performance indicators into a single package that can be accessed from a smartphone, tablet, or computer."

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The Gemini application includes:

- Custom Elliott compressor model (a digital twin) for evaluating compressor performance and performance changes
- Advanced vibration analysis with best-in-class vibration evaluation tools
- Remote Controls Monitoring "HMI-twin" providing contextually relevant compressor and auxiliaries data through a responsive internet browser interface

For more information on the Gemini, visit [elliott.turbo.com/Gemini](http://elliott.turbo.com/Gemini).

Elliott Group designs, manufactures, and services technically advanced centrifugal and axial compressors, steam turbines, power recovery expanders, and cryogenic pumps and expanders used in the petrochemical, refining, oil & gas, and liquefied gas industries, as well as in power applications. The company employs 2600 people in 30 locations around the world. Elliott Group is a wholly owned subsidiary of Ebara Corporation, a major industrial conglomerate headquartered in Tokyo, Japan. Ebara employs 16,000 people and has sales of US \$4.5 billion.

Established in 1976, Tri-Sen Systems pioneered the first digital governor. Since then, Tri-Sen has placed thousands of controls in process plants worldwide, racking up many technical firsts and earning a reputation for innovation in control development. Today Tri-Sen is focused exclusively on turbomachinery controls. The company is headquartered in Webster, Texas.

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