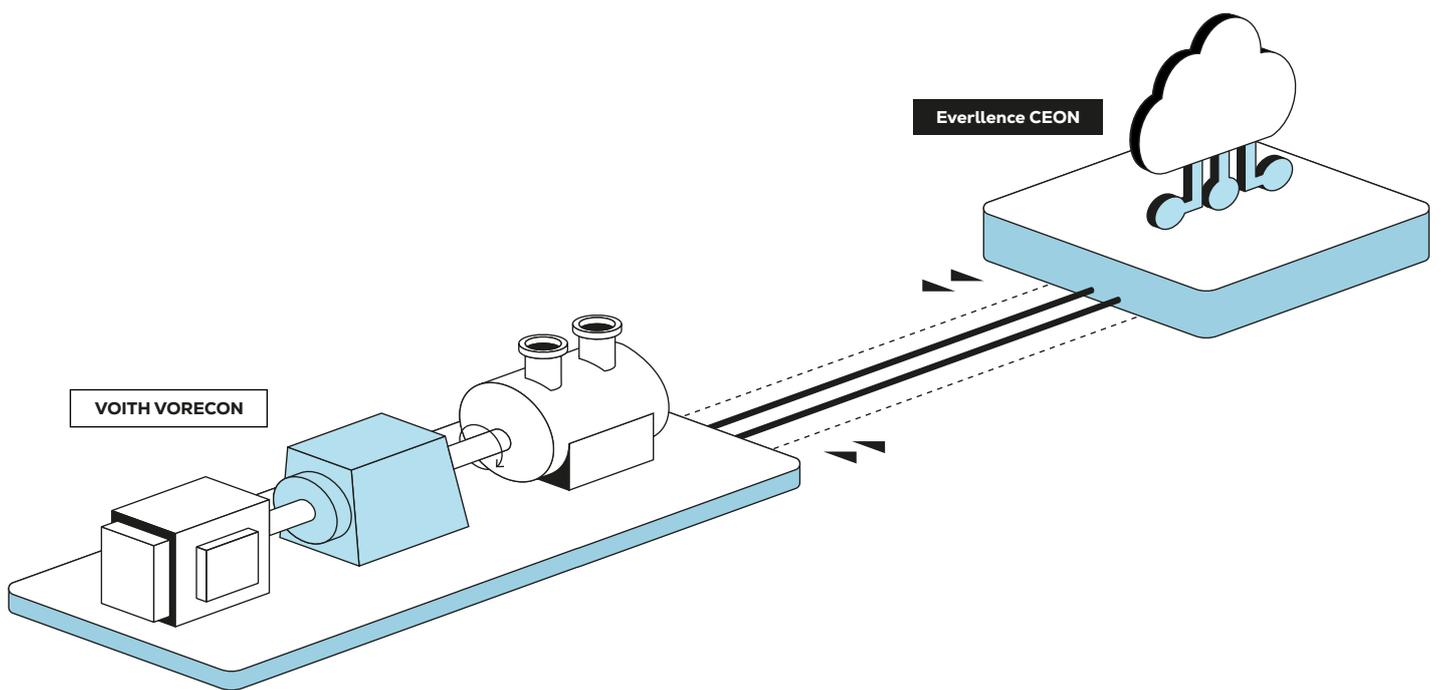


Everllence

PrimeServ

Smarter Vorecon Monitoring

A joint digitalization initiative by Everllence & Voith



In cooperation with

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Smarter Vorecon Monitoring: A joint digitalization initiative by Everllence & Voith

Across the Power, Oil & Gas sectors, operators face increasing pressure to ensure high reliability, stable production, and predictable maintenance costs. Compressor trains in particular are often operating under harsh offshore and onshore conditions and therefore require precise monitoring and rapid identification of anomalies to avoid costly downtime.

To address this challenge, Everllence, and Voith Turbo Industry have joined forces to provide operators with a new generation of intelligent Vorecon monitoring. The collaboration brings together the strengths of both partners:

- Everllence with deep compressor and automation expertise
- Voith with advanced drivetrain knowledge and AI-based analytics
- A fully integrated, cloud-connected framework to create seamless customer value

A cloud-enabled, AI-powered approach

At the heart of this initiative lies a cloud-to-cloud connection between Everllence's CEON platform and Voith's dataPARC analytics environment. This secure connection enables real-time data exchange and allows operators to access

Voith's AI analytics directly through the familiar Everllence interface.

Customers benefit from:

- One unified interface for all analytics and service insights
- Simplified contracting via an Everllence service agreement
- Integrated monitoring of efficiency and mechanical conditions
- AI-powered early detection of anomalies, long before conventional alarms
- Predictive maintenance support for reduced downtime and improved reliability

This combined approach merges field-proven compressor expertise with advanced drivetrain intelligence, creating a new level of transparency and diagnostic quality for Vorecon applications.

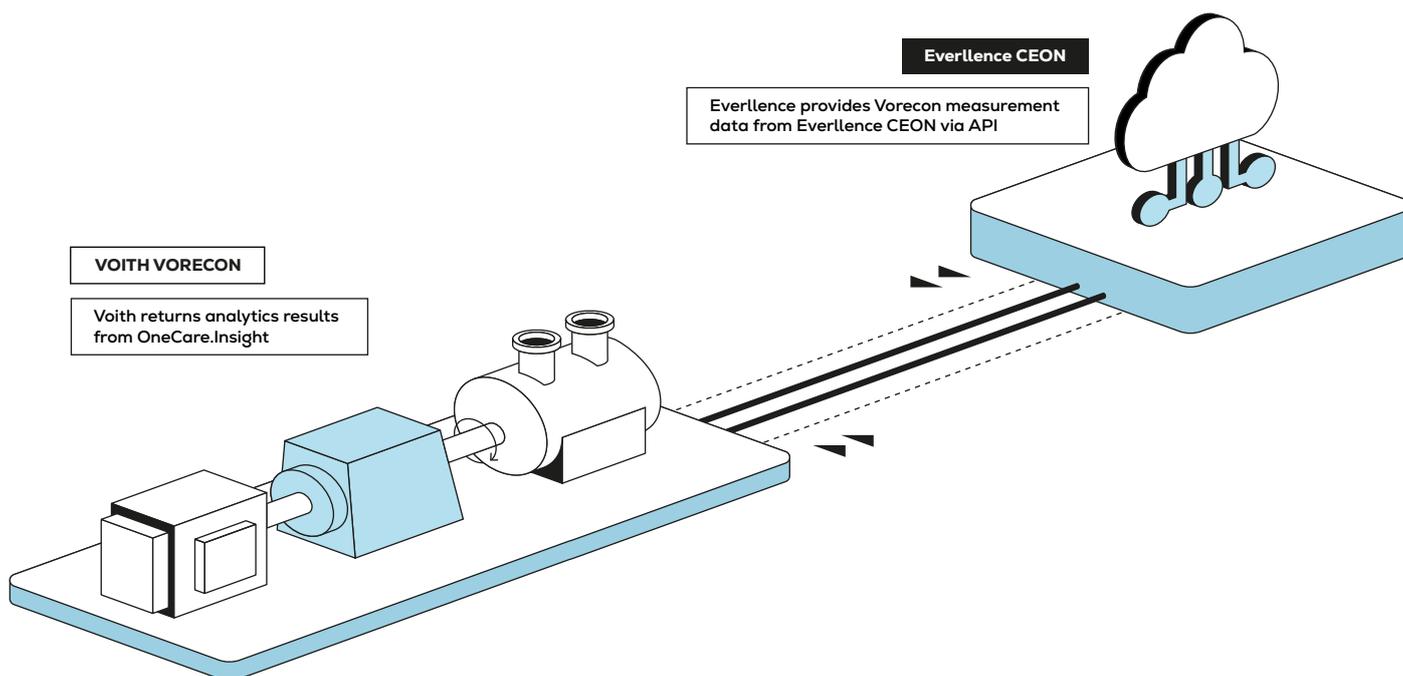


Figure: Cloud-to-cloud connection for Smarter Vorecon Monitoring

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How AI works: From signals to actionable insights

The Everllence CEON Analytics toolbox forms the technical backbone of the joint solution, offering structured signal processing and condition logic before Voith's AI takes the Vorecon analysis to the next level.

Voith's analytics engine uses three complementary AI methods:

- Anomaly Detection to detect deviations from a learned "normal state" using a holistic combination of all relevant signals, not just static limits or thresholds.
- Signal Prediction learns dynamic relationships between process and machine parameters to forecast future behavior and highlight abnormal trends.
- State Detection identifies operating modes and transitions even without labeled data, enabling a deeper understanding of how the system behaves under varying conditions.

These capabilities allow operators to detect in their Vorecons early signs of:

- Bearing and gear tooth damages
- Imbalances or misalignment
- Backlash, clearance changes, and dynamic load shifts

The result: More reliability, fewer surprises, and better operational decisions.

A partnership built for customer value

This initiative marks a significant step toward smarter and more connected rotating equipment ecosystems. By bringing together Everllence, and Voith, we combine mechanical expertise with digital intelligence empowering operators to run their assets more safely, efficiently, and predictably.



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