

John Crane Sense® Turbo

Protect What Matters.

Minimize Downtime

The industry solution that tells you what's happening inside your compressor's dry gas seals.

Featuring a unique combination of sensors embedded inside the seal, John Crane Sense Turbo delivers the in-depth insights that allow you to: Increase Mean Time Between Repair

Extend Useful Seal Life

> Optimize Performance



Lower Maintenance Costs

SAVED

We helped a global LPG producer gain a deeper view of their seal health, enabling them to reduce unplanned shutdown time by eight days and save an estimated \$4 million in lost production.

Discover How.



Liquid Sensor:

Uses light absorption to detect if bearing oil (or other liquids) have crossed the separation seal.

See Inside

A suite of sensors embedded inside the seal let you monitor conditions at the heart of the compressor.

Temperature Sensors:

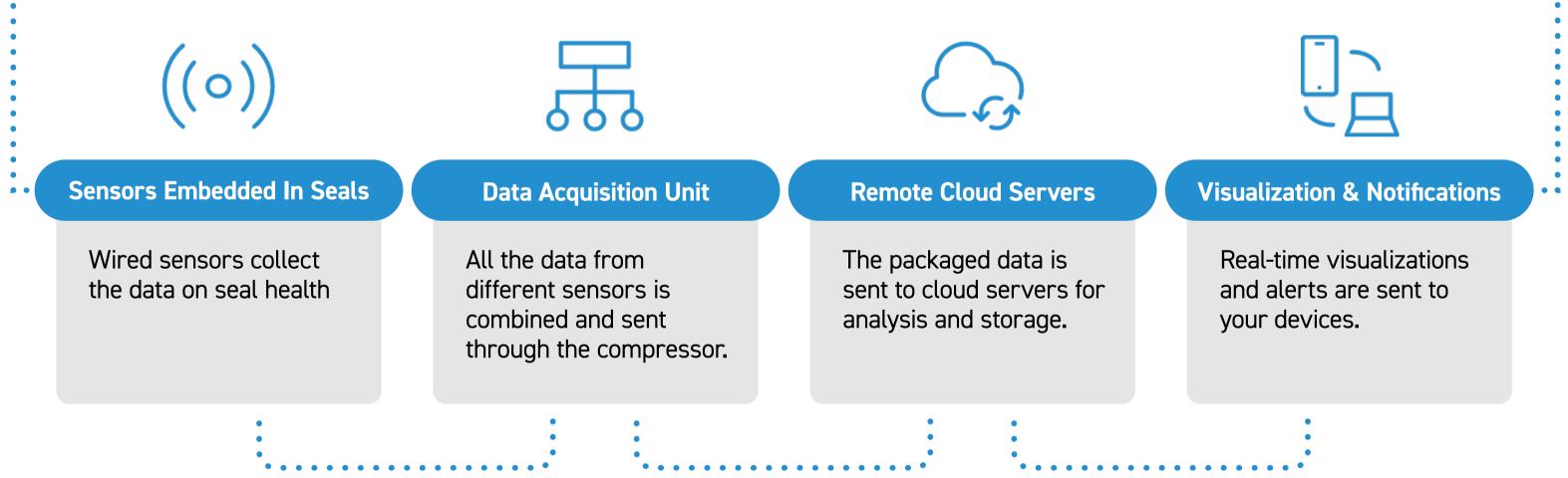
Two separate sensors detect issues caused by local temperatures inside the seal, including thermal expansion/contraction.

Acoustic Emissions Sensor:

Detects seal face contact, lift-off speed, and other high-frequency vibration events.

John Crane Sense Turbo How Does It Work?

Sensors embedded directly into the dry gas seal send data to the system for analysis. Seal health insights are then sent to your device for instant access.



Data is encrypted at every stage to maximize security.

Putting the Right Data at Your Fingertips

Capturing a unique combination of data from inside the seal, John Crane Sense Turbo provides the data you need for every scenario. **Solve Problems Now:**

Detailed data analysis and real-time alerts help you identify and correct issues early.

Prepare for the Future:

Data analysis and pattern matching let you determine remaining useful seal life to extend time between or before a turnaround.

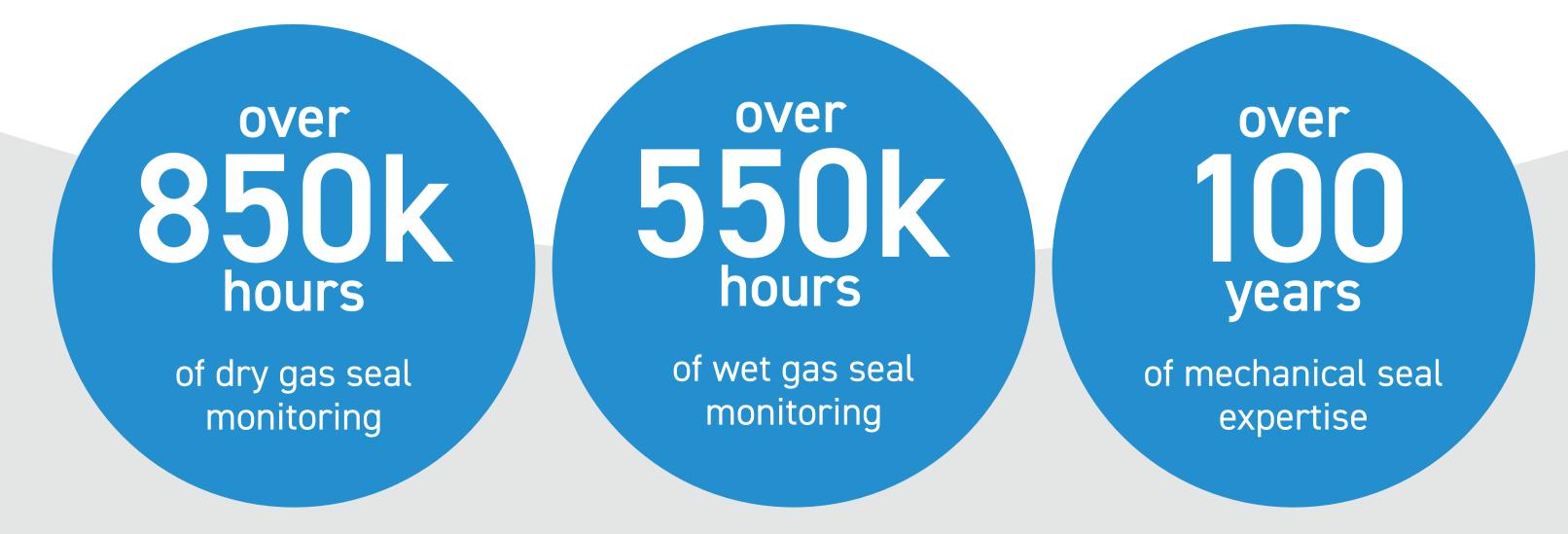
See the Bigger Picture:

3

Machine learning identifies thresholds to provide richer insights into seal health and context into what might be impacting performance.

Part of the John Crane Sense Platform:

John Crane Sense Turbo is part of our broader digital platform that's built upon:



Get in Touch:

Discover how John Crane Sense Turbo can transform your approach to asset monitoring:

Contact John Crane Today

Launched globally, except for Europe. European launch expected in January 2025.