

# AIR~ALERT™

## 24/7 Smart Monitoring and Alert System for Air Compressors

**ELGI**®  
Always Better.



# AIR~ALERT™

Air-Alert is an IoT-enabled monitoring and alert system compatible with ELGi's range of air compressors. Data analyzed and delivered by Air-Alert from your compressor enables you to improve your compressor's energy efficiency and uptime. Air-Alert also allows 24x7 remote monitoring from anywhere in the world.



**IMPROVED ENERGY EFFICIENCY** BASED ON OPERATING PERFORMANCE.



**IMPROVED UPTIME** WITH ON-TIME SERVICE ALERTS IN ADDITION TO PREDICTIVE FAILURE ALERTS.



**24/7 REMOTE MONITORING** FROM ANYWHERE IN THE WORLD.



## INDUSTRY 4.0 FOR YOUR COMPRESSORS IS HERE!

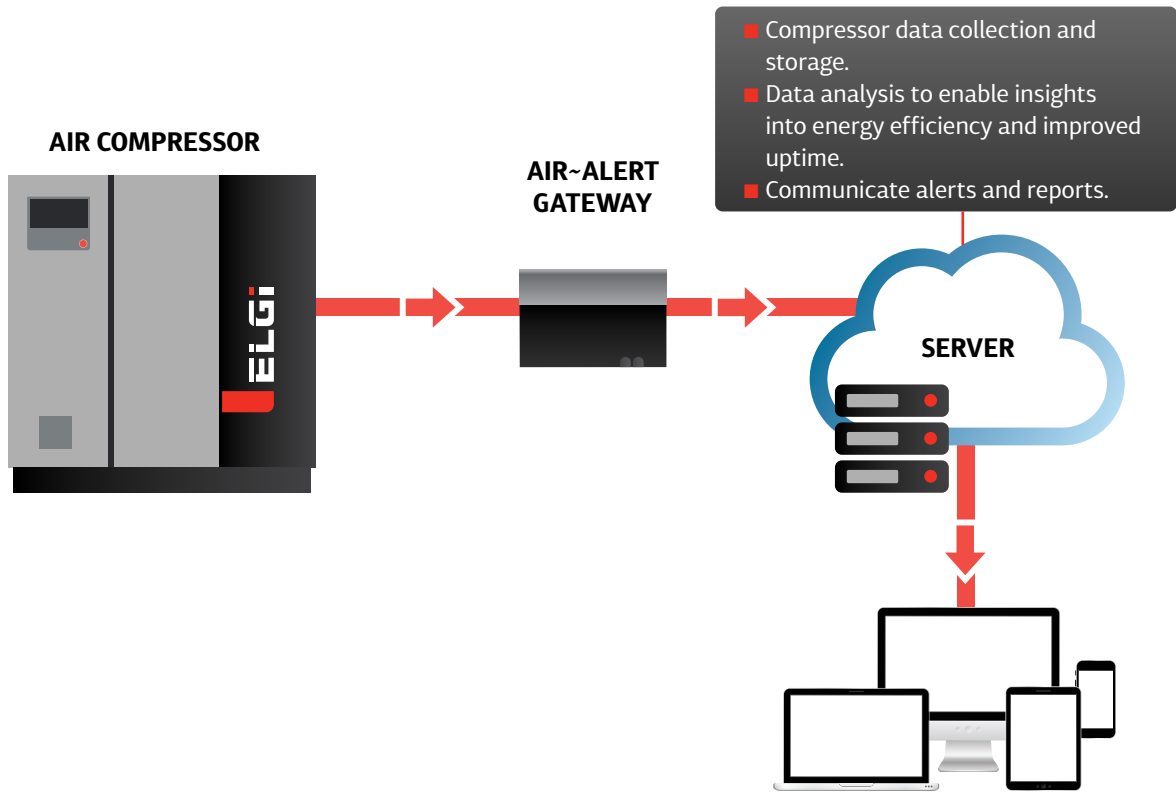
- Need on-time compressor service to gain high performance?
- Need live data to help improve plant energy efficiency?
- Need live updates anytime and anywhere in the world?





INDUSTRY 4.0 - CONNECTED COMPRESSORS

**HOW DOES IT WORK?**



Air~Alert acquires operational data from compressor and sends it to a dedicated, secured server.

Intelligent algorithms in the server analyze the data and enable useful insights to improve energy efficiency, uptime and remote monitoring from anywhere in the world.

FEATURE	WITH AIR~ALERT	WITHOUT AIR~ALERT
Improved uptime with on-time service alert	✓	✗
Energy saving insights at the click of a button	✓	✗
Predictive failure warning alerts	✓	✗
24x7 Remote monitoring	✓	✗
Online service history	✓	✗

## Enjoy Uninterrupted Compressor Functioning

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### IMPROVED ENERGY EFFICIENCY

- Smart analysis with Air-Alert's monitoring helps **save up to 30% on energy cost.**
  - Compressor utilization data (load and unload operating hours) provides insight if a variable frequency drive (VFD) will help save energy costs based on the demand for compressor.
  - Helps **optimize operating pressure bands** and resize an air compressor based on a plant's compressed air needs.
  - **Provides insight about leakage** in the compressed air system, if any.
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### IMPROVED UPTIME

- Helps to **avail scheduled service.**
  - Notifies in advance about **scheduled maintenance for non-stop operation** and purchase of spare parts.
  - Intelligent data analysis **triggers warnings of fault occurrence** in advance, saving time and the expense of unexpected downtime.
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### 24/7 REMOTE MONITORING

- **Delivers trend graphs and information on key operating parameters** such as discharge pressure, oil temperature, VFD speed, total running hours and trips.
- Alerts through a live online interface on a web portal, **allowing remote access from anywhere in the globe.**
- Provides information about **compressor health, usage, fault, and trip notifications.**
- **Sends a monthly summary report** on overall health and operating parameters, including upcoming planned service requirements.



Elgi Equipments Limited is a global air compressor manufacturer with a broad line of innovative and technologically superior compressed air systems.

ELGi has consistently worked towards ensuring that its customers achieve their productivity goals while keeping the cost of ownership low. ELGi offers a complete range of compressed air

solutions from oil lubricated and oil free rotary screw compressors, oil lubricated and oil free reciprocating compressors and centrifugal compressors, to dryers, filters, and downstream accessories.

The company's portfolio of over 400 products has found wide application across industries.

63

Years of Customer-Centric Innovation

2 Mn+

Installations Worldwide

120+

Countries and Counting



### DEMING PRIZE\* 2019

ELGi is the first globally established industrial air compressor manufacturer to be awarded the Deming Prize for Excellence in Total Quality Management.

\*In over six decades

