

Altizon's Datonis™ platform empowers Predictive Maintenance Offering for Compressor Manufacturers

Statistics say that the Compressor segment is growing at a CAGR of 8.16% and is expected to reach about USD 35 Billion by 2020 (Source Allied Market Research and CNBC). For many organizations globally, Compressors are the heart of their manufacturing processes.

But, when the compressor fails, it brings a business to a halt. The compressor failure cannot be diagnosed and rectified immediately. So the **implementation of sensor based intelligent systems for field data collection** has become a critical need for early prediction of failure.

Considering the growth and increased number of compressor installations. The application of the Internet of Things (IoT) technology in compressors for **remote data collection leading to decision making analytics** is a dire need of the compressor manufacturer.

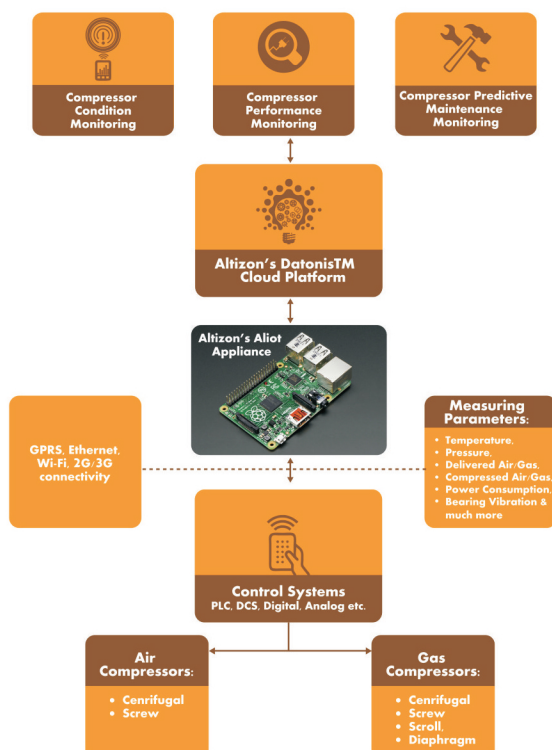
By implementing such Machine-to-Machine (M2M) sensor based analytics the compressor manufacturers will be able to collect data that will help them predict when the compressors are at risk of failure or may need attention along with aligning their Research & Development activities based on the data acquired.

The on field (from customer location) parameters for data collection can be:

- Temperature
- Pressure
- Delivered Air/ Gas
- Compressed Air/ Gas
- Power Consumption
- Bearing Vibration and much more

Altizon Systems specializes in M2M connection technology. Altizon has built a middleware that reads the sensor data from the field and send this information to its **Datonis™** cloud platform which, gives real time analytical information collected from field sensors.

Below diagram illustration of how compressor manufactures can implement such systems at their customer location.



Altizon's Datonis™ platform Benefits:

- Cloud based platform harnessing the power of Big Data
- Data Analytics drive Predictive maintenance (by monitoring real time key parameters)
- Flexibility (Go-as you use)
- Integration with Line of Business application (LOB) like SAP etc.

Compressor Manufacturer Benefits:

- Proactively attend to customer maintenance needs
- Predict machine failure and reduce unplanned downtime
- Decrease time of fault resolution
- Understand usage pattern of your compressors
- Increase Compressor up time
- Accelerate your innovation cycle

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