Accelerate Your Condition Monitoring with Voyager 3

What Is Condition Monitoring?

Condition monitoring, also known as condition-based monitoring (CbM), is a predictive maintenance strategy that monitors the condition of assets using different types of sensors. It uses the data extracted from the sensors to monitor assets in real time, establish trends, predict failure, and even calculate the lifetime of an asset.

Vibration monitoring is a form of CbM that monitors vibrations from assets to determine the presence of any abnormal vibrational patterns, which are an indicator of advanced wear, malfunctioning parts, and loose mounting, amongst other issues.





Increased productivity



The Impact of Condition Monitoring

Increased asset life



Reduced maintenance cost



Reduced downtime





Platform Details

Voyager 3 is a system evaluation solution from ADI for wireless MEMS accelerometer-based vibration monitoring. The system solution combines mechanical attach features, hardware, firmware, and PC software to enable rapid deployment and evaluation of a 3-axis vibration monitoring solution. The module can be directly attached to a motor or fixture.

It can also be combined with other modules on the same wireless mesh network to provide a broader picture with multiple sensor nodes as part of a condition-based monitoring system.



High Level Signal Chain Overview of Voyager 3 Mote



To find out more about the Voyager 3 platform, visit analog.com/voyager3.



Further support for the platform is available on the EngineerZone® at ez.analog.com/condition-based-monitoring.



For regional headquarters, sales, and distributors or to contact customer service and technical support, visit analog.com/contact.

Ask our ADI technology experts tough questions, browse FAOs, or join a conversation at the EngineerZone Online Support Community. Visit ez.analog.com.

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PH22951-6/21

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