

Equipment Health Monitoring - Conveyors



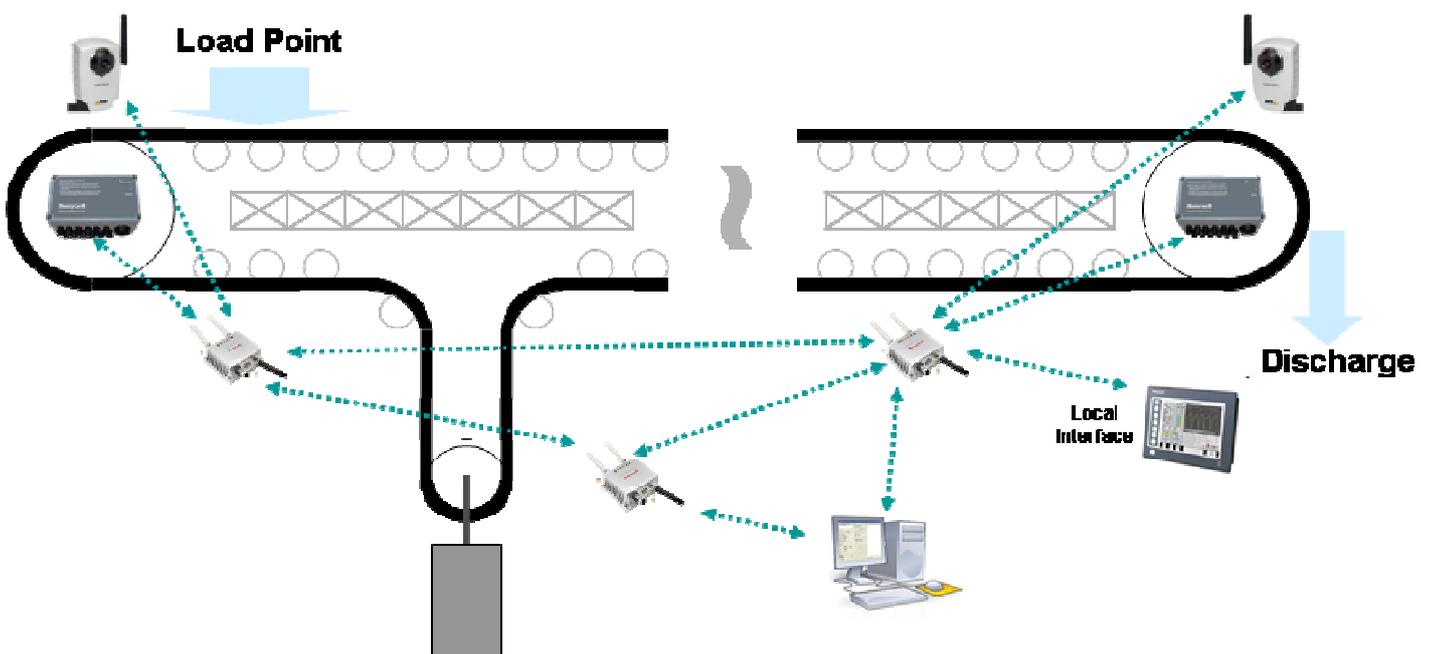
The impact of unplanned conveyor downtime can be enormous, for critical belts this could easily be \$1000's per hour. Bearing failures are one of the major causes of downtime and conveyor fires. Honeywell's EHM represents a cost effective means of monitoring bearings continuously, wirelessly without the need for expensive wiring.

Including idlers conveyors can contain thousands of idlers, although perhaps the most important are those in the drive train together with the head and tail pulleys. Traditionally these are manually inspected occasionally if at all. EHM is able to operate standard sensors whilst running on battery power meaning that these vital bearings can be monitored without expensive field wiring.

EHM incorporates multiple vibration and temperature sensing providing the ability to monitor motor and pulley conditions providing complete diagnostics for conveyor head and tail pulleys. This can be incorporated into the Onewireless network together with video monitoring to avoid expensive downtime.



EHM is one component of a range of products targeted at conveyor monitoring which will include video monitoring, wear gauges, idler failure monitoring, rip detection and fire monitoring and suppression.



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The Honeywell OneWireless EHM is a compact eight-channel, field mounted monitoring device that communicates using the industry standard 802.11b/g wireless networking. It collects acceleration, velocity, displacement, temperature and bearing condition data and automatically transfers this for viewing, alarm evaluation and analysis.



Honeywell's Reliability Solutions

The Honeywell Wireless EHM is part of a broader family of reliability solutions. These include:

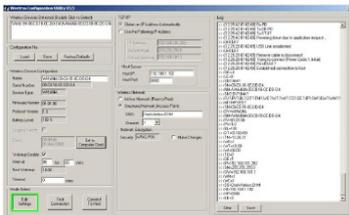
- overall asset condition assessment looking at the health of all key assets,
- equipment performance monitoring to detect asset performance
- Corrosion monitoring
- Modelling solutions

Ease of Installation

Be up and running in 3 easy steps

1.

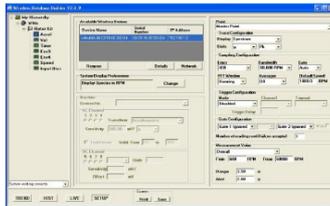
Configure the hardware.



Wireless Configuration Utility

2.

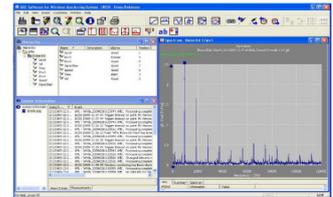
Design and setup data points, alarm parameters.



Wireless Database Builder

3.

Data is automatically uploaded for viewing, analysis and reporting.



Analysis Software

Summary

EHM extends the benefits of condition monitoring to parts of the plant where it is cost prohibitive to use a wired solution. For conveyor systems this will increase reliability and safety whilst reducing maintenance cost spending.

Honeywell

For More Information

To learn more about Honeywell's solutions, visit our Web site, or contact your Honeywell Account Manager

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