Predictive and Preventive Maintenance of Overhead Crane over the Radio

It would be troublesome if this overhead crane equipment failed.

We are concerned about the motors and electromagnetic switches of the equipment because they are constantly in inching operation.

Surveillance of the crane equipment is difficult because it moves; furthermore, its wiring is difficult to adjust.

Predictive and Preventive Maintenance

You can conduct predictive and preventive maintenance of existing crane equipment by simply retrofitting sensors.

No Wiring Work

It is possible to retrofit sensors wirelessly, with no wiring work required.

Possible to Obtain Measurement Signals

You can take the measurements necessary for predictive and preventive maintenance.
An alarm email came in flagging up abnormal vibration. It is time to replace the affected parts.

Judging from the number of ON/OFF operations recorded, we should replace the electromagnetic switch soon.

Example of Predictive and Preventive Maintenance System with HOPSTEP (900 MHz ISM Band Multi-hop Wireless System)

Management room

Crane 1

Crane 2

Crane 3

Web Data Logger DL8 Series
Web-Enabled Remote Terminal Unit for Monitoring, Event Reporting and Data Logging

Model: DL8

FCC Part 15 Compliant 900 MHz ISM Band Wireless Products

• Free communication charges and no license fees.
• Reaching a long line-of-sight distance, up to 0.62 mile (1 km). (*1)
• Excellent wave propagation characteristics

(*1) Be sure to conduct a signal strength site survey before introducing wireless modules.

(*2) This device is approved for use only in the US.

Your local representative:

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Specifications are subject to change without notice. When ordering, use the latest data sheets available at M-System web site: www.m-system.com