

# NORLINK

MACHINE HEALTH IoT DEVICE

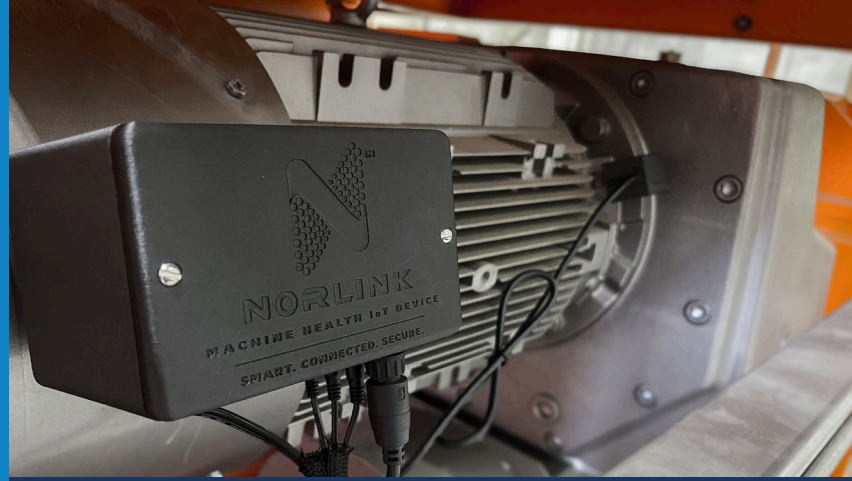
SMART. CONNECTED. SECURE.

At American Crane & Equipment Corporation, we are passionate about delighting our customers. Our mission is to make your lives easier. Our vision continues to be the overhead lifting company most respected for our people and products – staying on the cutting edge of technology and systems that enhance our depth of services and our customer relationships. The NorLink Solutions™ line of products are no exception to this, as we launch the latest innovations to aid in real-time monitoring of your cranes and other equipment.

## HIGH-PERFORMANCE MONITORING

The application of the ACECO IoT offerings is not limited to overhead lifting. Our MHIoT (Machine Health IoT) device can also be utilized to monitor the operation and health of other pieces of critical industrial equipment. The MHIoT device monitors and trends current, temperature and vibration levels, which allows users to gain real time and historical data on the performance of machinery within their facilities via a convenient remote user interface.

This data can be used to identify and create actionable insights pertaining to the health of the machinery, with the goal of decreasing or eliminating potential down time via the proactive planning & implementation of maintenance and repair activities.



## KEY BENEFITS

### EASY MOUNTING

Magnetized mounting design allows for easy installation and temporary mounting. Adhesive mounting is also available for non-magnetic surfaces.

### SENSOR DATA

Sensors take sample of temperature, current and vibration at specified intervals – intervals can be customized to suite application. All data will be routed to a cloud-based data platform.

### CYBERSECURITY

Secure communication from the NorLink MHIoT device to the cloud is accomplished via Blues Wireless technology. Blues Wireless Notecard along with its accompanying cloud service, Notehub.io, were built with security as No. 1 priority:

- STSAFE Secure Element which contains symmetric keys manufactured into the chip
- Performs regular vulnerability scanning every 6 months. Any identified vulnerabilities will be analyzed, reported and patched in a timely fashion
- For security reasons, one Notecard does not have direct access to another Notecard

### ACCESSIBLE DATA

- Access to real-time & historical data in the UI. UI is accessible via any web browser (pc or mobile device).
- Customized thresholds that can be changed at any time, can trigger event-based alerts via email, text and/or call.



# THE NEXT GENERATION OF IoT SOLUTIONS FOR YOUR EQUIPMENT

Machine health monitoring system applicable to cross-field industrial applications. This comprehensive system allows for remote monitoring and cloud-based predictive analytics to optimize performance, maintenance, and diagnostics.

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### HOW IT WORKS

#### User-Friendly Interface

- No expert needed
- Easily interpreted & navigable

#### Customizable Data

- Customizable sample rates & pings, can trigger event-based alerts via email, text or call
- Adjustable time/date range to view new & historic data
- Customizable data quantification & widgets

#### Safe Transfer

- HTTPS involves the use of a Secure Sockets Layer (SSL) which creates a secure encrypted connection between servers and your devices
- HTTPS helps guarantee confidentiality, authenticity and integrity of your information



## YOUR SMART SOLUTIONS PARTNER

For machine health solutions you can trust, turn to the experts at ACECO! We are your expert, craftsman, and partner for all material handling equipment needs. To learn more about our NorLink Solutions™ product offerings or discuss your product requirements with one of our representatives, contact us or request a quote today.

