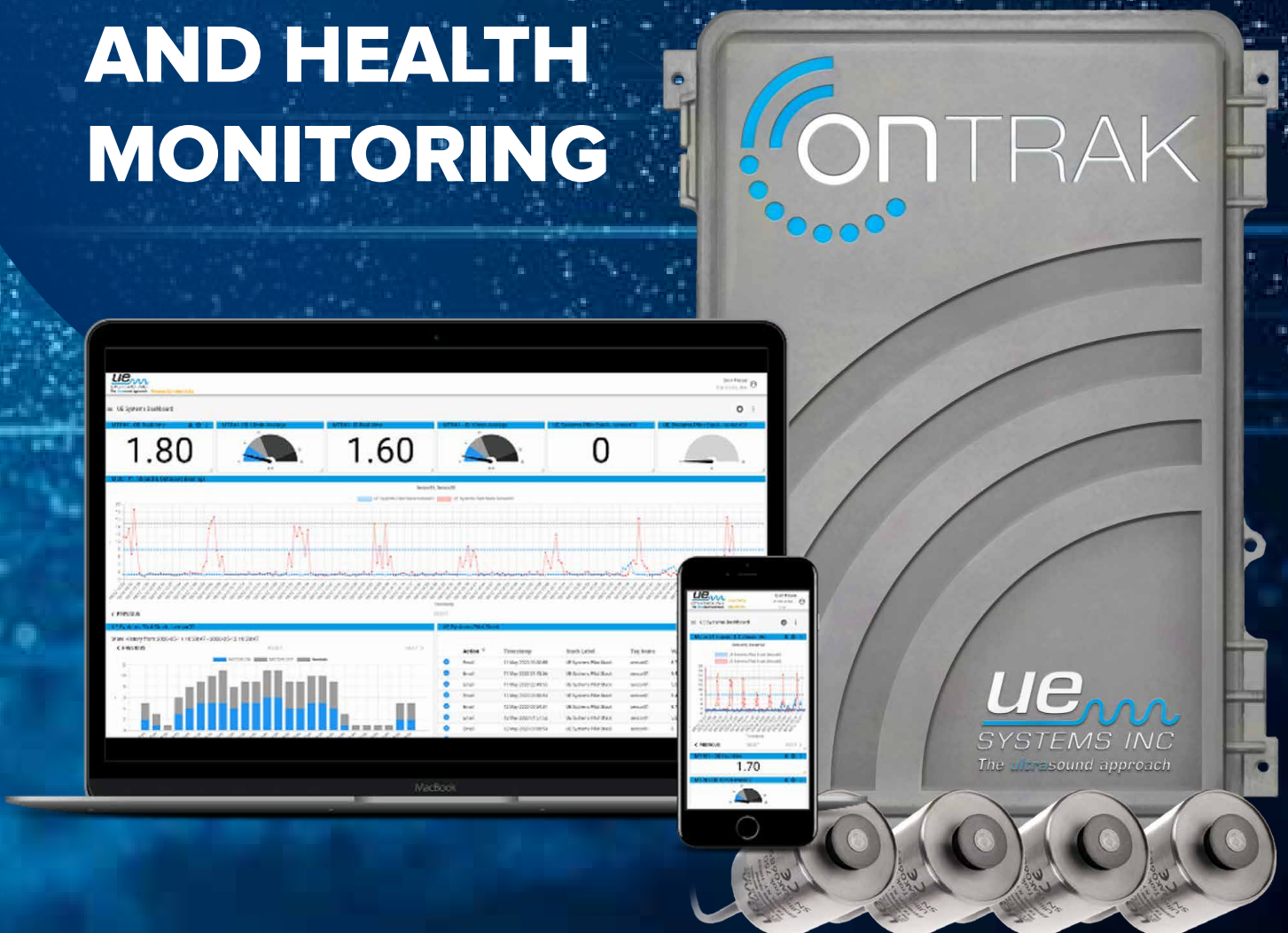
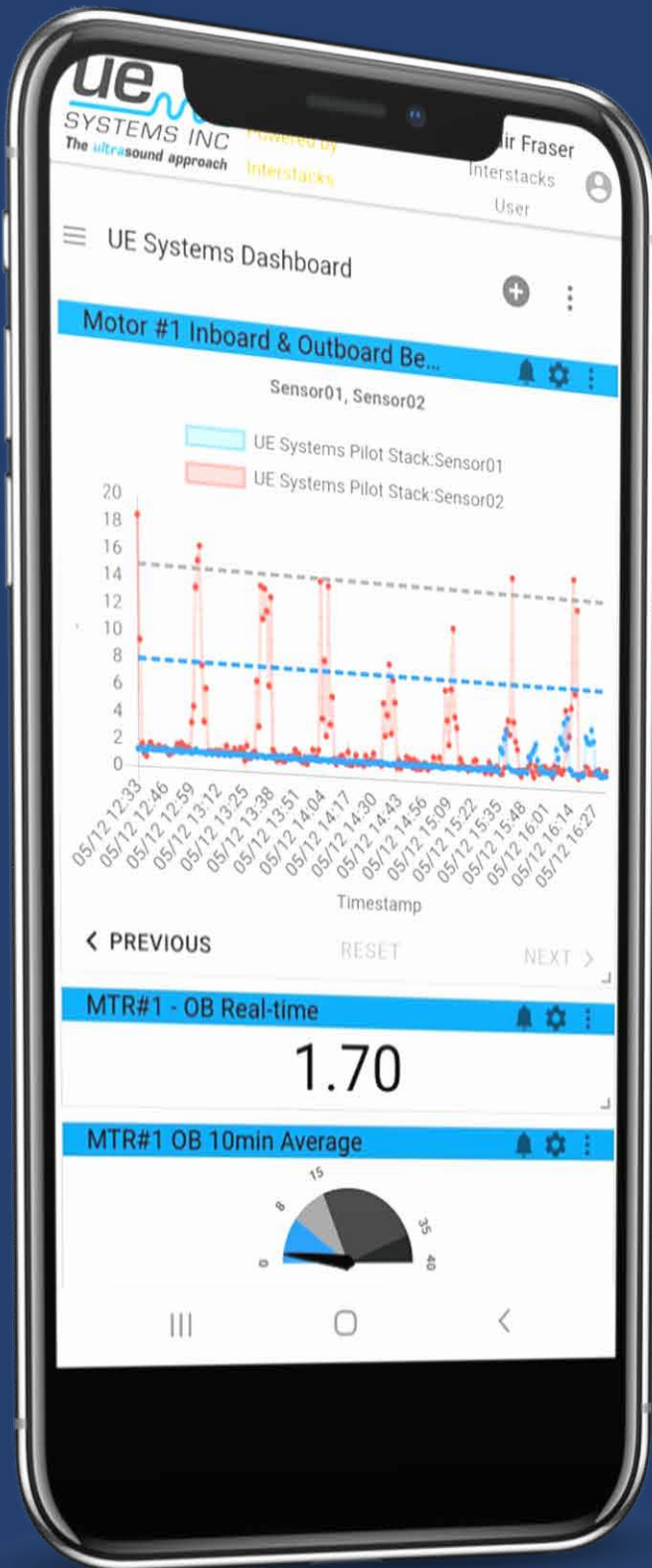




SIMPLIFYING ONLINE BEARING LUBRICATION AND HEALTH MONITORING





EASY

Edge monitoring requires fewer cables and installation time than traditional condition monitoring systems



SCALABLE

Designed to scale from a few bearings to thousands. Manage data from a single site or a global enterprise in one platform



AFFORDABLE

Maintenance free design with a low cost of deployment for your essential assets



ONTRAK IS A 16 CHANNEL
REMOTE BEARING MONITORING
SYSTEM DESIGNED TO
PROACTIVELY IDENTIFY
LUBRICATION NEEDS AND WARN
USERS ABOUT BEARING ISSUES
AT THE EARLIEST POINT
POSSIBLE.

TRUE COST

of BEARING FAILURE

Improper bearing lubrication or re-lubrication can account for up to 40 to 50% of machine failures

Bearing failure demands immediate attention because it can cost as much as \$25,000-\$50,000 per hour—in lost productivity, unplanned outages and downtime

**PUT AN END TO ANALYZING
HEALTHY BEARINGS!**

80-90%

of machines run without any impending issue. In fact, the condition measurements do not provide any indication of an upcoming mechanical problem; they just confirm that the machine condition is fine

When Bearings Fail Prematurely,
**Poor Lubrication Practices
Are Often The Cause**

80%

of premature bearing failures can be traced to a problem with lubrication

THE POWER OF ULTRASOUND



Ultrasonic monitoring of bearings provides the earliest warning of bearing failure. An increase in amplitude of a monitored ultrasonic frequency of 12 decibels over baseline would indicate the initial (incipient) stages of bearing failure. This change is detected long before it is indicated by changes in vibration or temperature.

Monitor And Trend Decibel Levels In A Bearing With Ultrasound



above baseline indicates a lack of lubrication



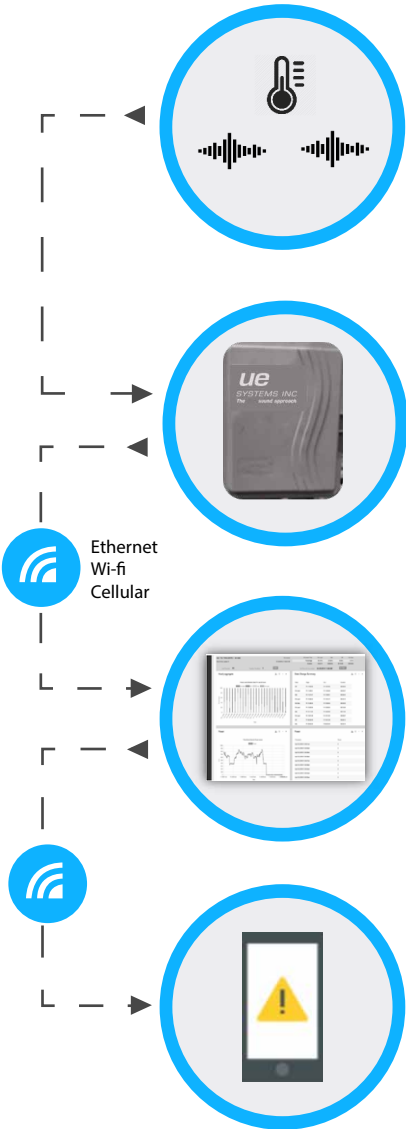
above baseline indicates damage to the bearing – a failure mode beyond lubrication alone



32dB above baseline means the asset is critical – it is close to failure

As the operator adds grease, he or she will notice a gradual drop in decibels. Once the level falls back to the baseline, the bearing is sufficiently lubricated.

Online Bearing Monitoring Made Easy & Affordable!



ULTRA-TRAK™ 750
& OTHER SENSORS
Connect the Ultra-Trak 750
& other sensors

OnTRAK™ IIoT SYSTEM
Preconfigured with 16 channels.
Connect to the UE Insights Cloud
Platform or other applications
with wi-fi, cell or ethernet

REAL-TIME DASHBOARD
View sensor data on any laptop,
tablet and phone. Use real-time
insights to monitor lubrication
& condition insights

REAL-TIME ALERTS
Get text and email alerts based
on any criteria you choose

INTEGRATE TO CLOUD & ON-PREMISES APPLICATIONS

(Modbus, aws, azure, google cloud)

COMMUNICATION

(Ethernet, wi-fi or cellular)



MOBILE VIEW

Viewable on any network connected device; pc, laptop, tablet, phone using a standard browser

ALARM NOTIFICATION

Built-in events system which is configurable, and has the ability to display, email, text any alerts the system has

MODULAR SYSTEM

Each OnTrak is capable of 16 sensor. Easily scale OnTrak systems to thousands of sensors to one central dashboard

OVERVIEW

COMMUNICATION OPTIONS



ETHERNET

Using your plant network, the OnTrak communicates to the cloud or other applications

WI-FI

If your plant has a reliable wi-fi signal, the OnTrak can communicate using this feature. This method eliminated the need for a hard wired connection

CELLULAR

Eliminating the requirement for a connection into the existing plant network, cellular is a common option to eliminate network traffic and security issues

OnTRAK – 16
CHANNEL EDGE
ANALYTICS DEVICE



UE INSIGHTS CLOUD PLATFORM

ULTRA-TRAK 750
ULTRASOUND TRANSMITTER

ULTRA-TRAK 750

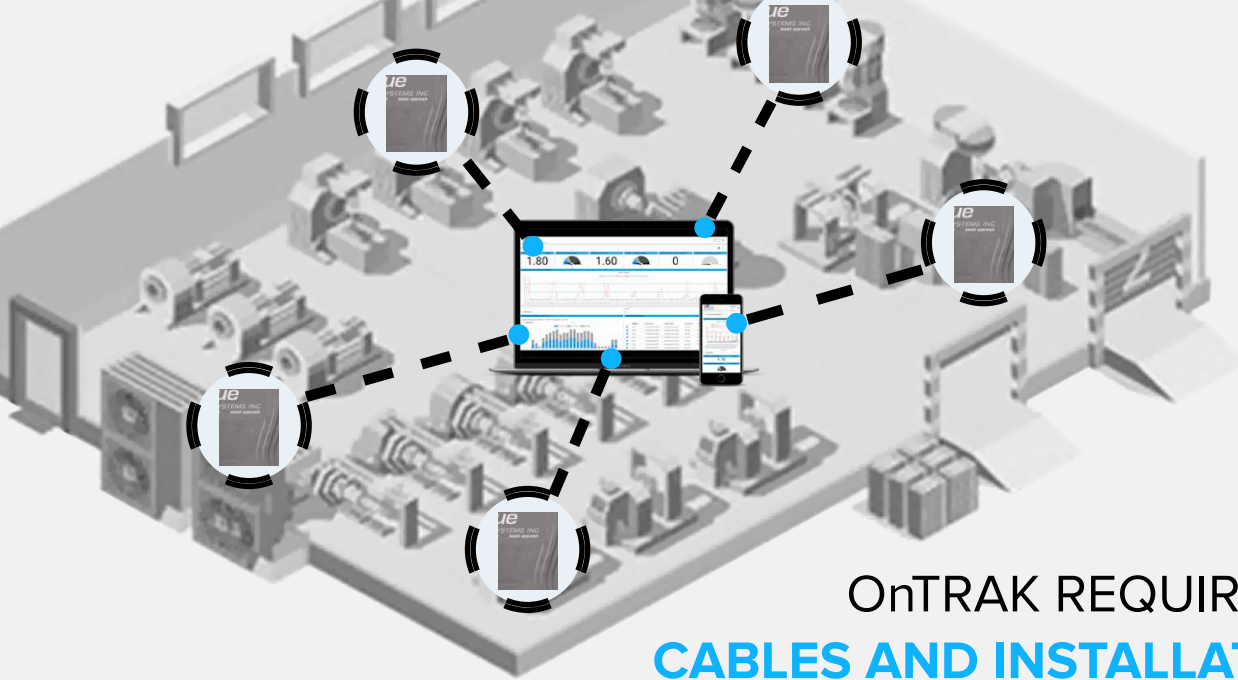
FEATURES



The Ultra-Trak 750 is a continuously operating ultrasound sensor and transmitter in one.

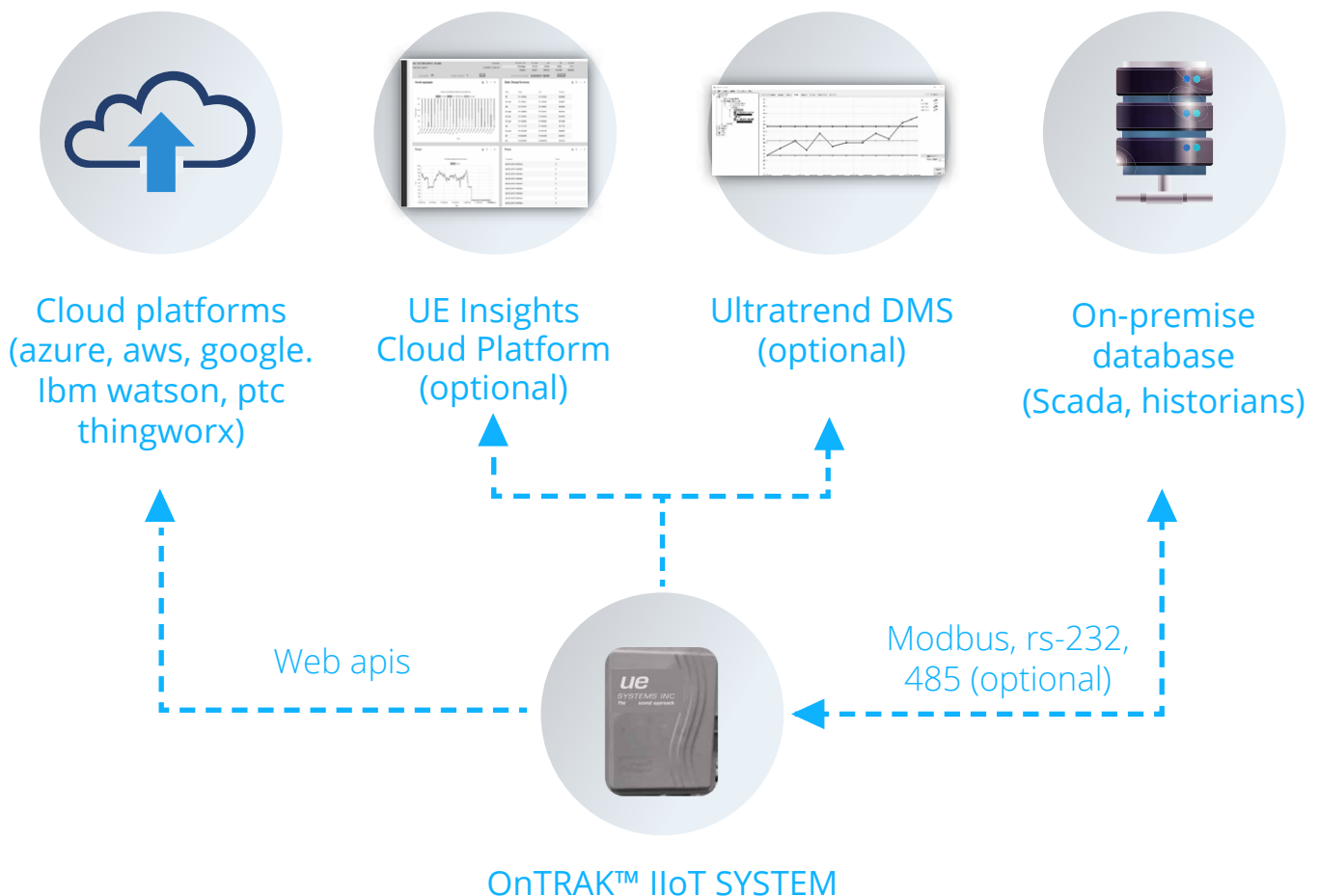
Ready to guard against unplanned downtime and product loss the minute it is installed, the ultra-trak passively monitors ultrasounds produced by mechanical equipment in real-time.

Housed in stainless steel, the rugged Ultra-Trak 750 is water resistant and dust proof, which means it can be externally mounted in some of the most challenging environments. Couple this with an extraordinarily wide dynamic range of 120 dB and sensitivity adjustment; this sensor is ready to meet your most demanding sensing needs. With the Ultra-Trak, you will gain continuous access to real-time data for early detection of developing mechanical and lubrication issues.



OnTRAK REQUIRES **FEWER CABLES AND INSTALLATION TIME** THAN TRADITIONAL CONDITION MONITORING SYSTEMS

DESIGNED WITH **NETWORK AND DATA OPTIONS** IN MIND



PRE-BUILT CONFIGURABLE DASHBOARDS

● Use UE Insights Cloud Platform device management to see the status of all your connected systems and remotely deploy changes

● All data sent to the OnTrak cloud dashboard is timestamped and saved in a database for viewing immediately, generating reports, and exporting to csv files for importing to spreadsheets



● Select from a menu of visualization widgets (for example, single value, line charts, tables).

DASHBOARDS

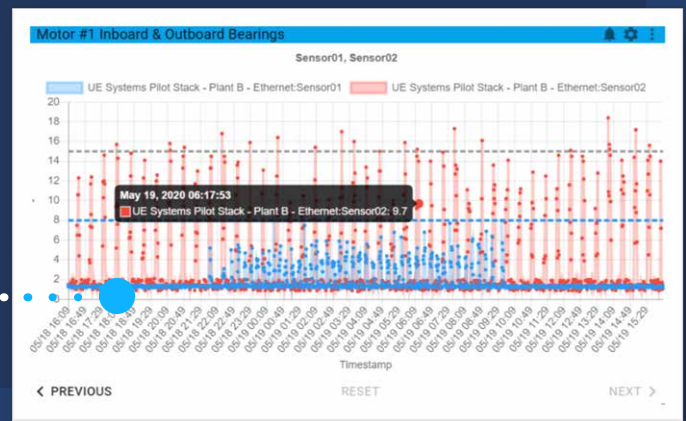


LIMITLESS DASHBOARDS

Create unlimited number of dashboards using drag and drop widgets to best provide real-time insights.

VIEW BOTH REAL-TIME AND HISTORICAL TRENDS

Dashboard supports real-time trending as well as historical trending proving a time stamp and value for each measurement.



DEFAULT AND CUSTOMIZABLE CONDITIONAL ALERTS

Text and email alerts can be sent based on criteria you select. Pre-built alerts for lubrication, early onset of failure and critical failure come standard.

MANAGE ALL YOUR DEVICES AND USERS FROM ONE INTERFACE

Admin users create sub-groups in an arbitrarily deeply nested hierarchy representing your existing organization.

Group	Email	Permissions	Last Login	Last Status
UE Systems	Star@UESystems.com	Admin	—	Verified User
Plant A	Star@UESystems.com	Admin	—	Verified User
Building #1	Star@UESystems.com	Admin	—	Verified User
Building #2	Star@UESystems.com	Admin	—	Verified User

PRESCRIPTIVE LUBRICATION & HEALTH INSIGHTS

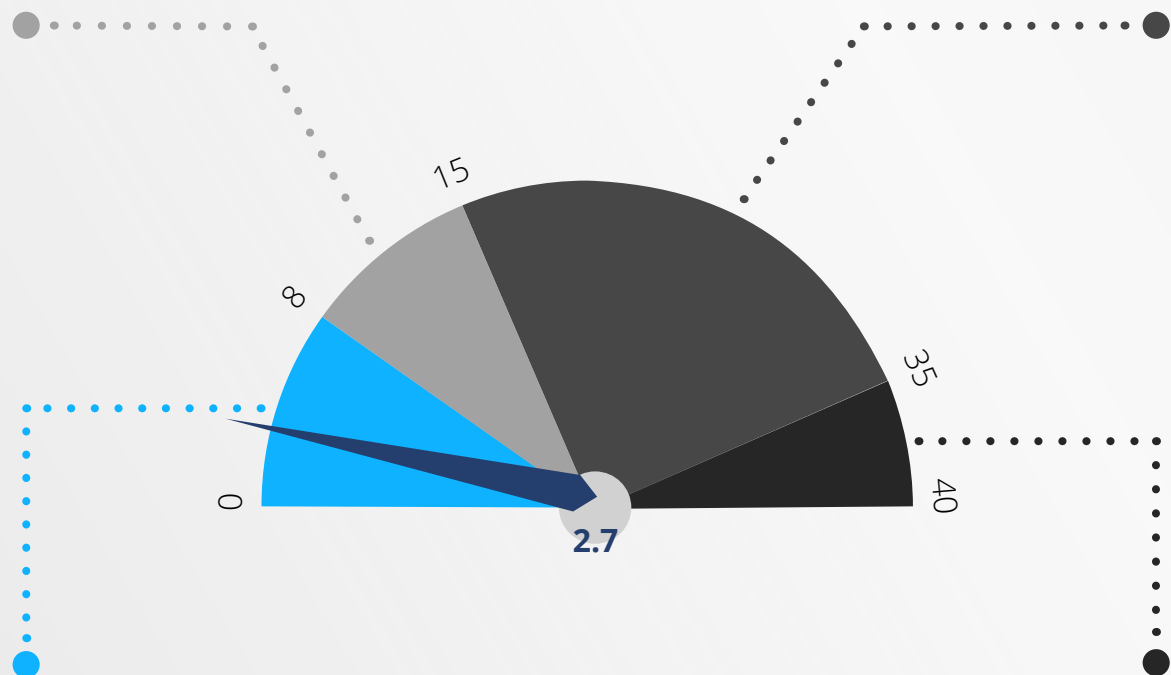


LUBRICATION REQUIRED

8dB above baseline indicates a lack of lubrication.

BEGINNING OF FAILURE

16dB above baseline indicates damage to the bearing – a failure mode beyond lubrication alone.



HEALTHY BEARING

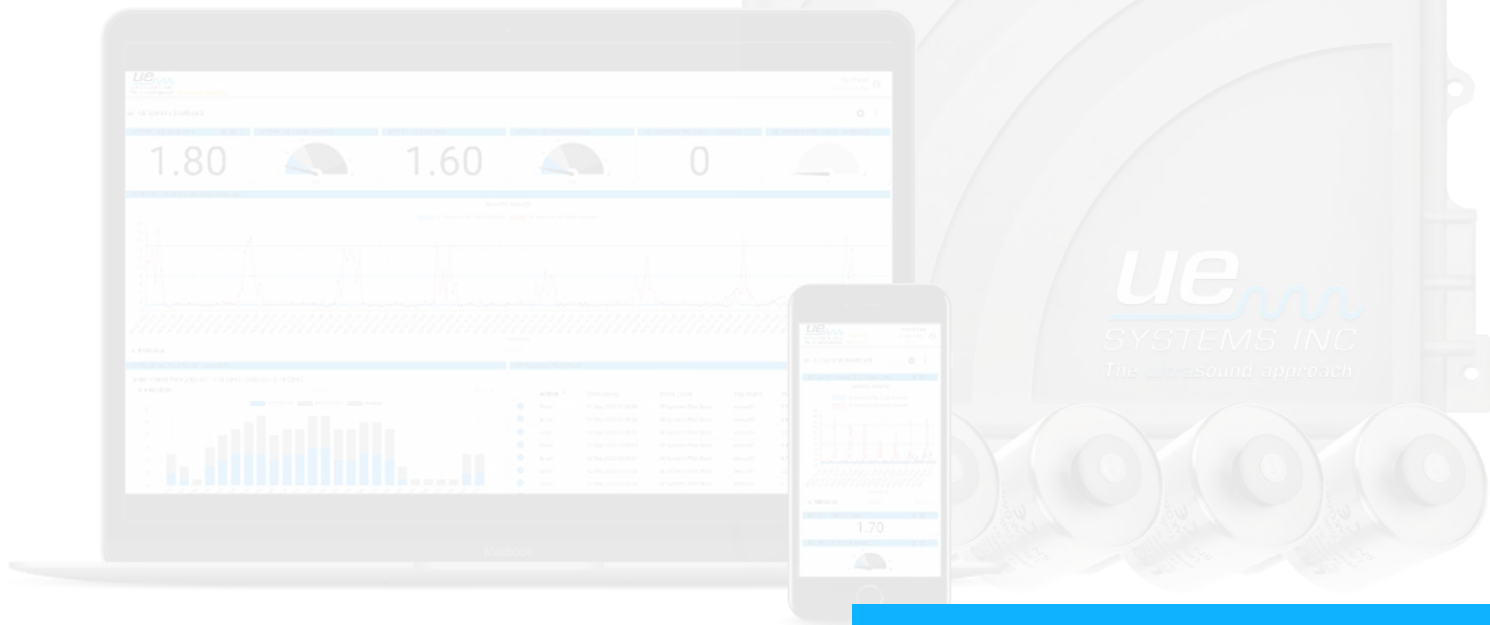
Do Nothing!

CLOSE TO FAILURE

35dB above baseline means the asset is critical – it is close to failure.

STARTER KIT!

- OnTrak System
(Available With Cell, Wi-Fi Or Ethernet Connection)
- Up To 16 X Ultra-Trak 750 Sensors
- Pre-Configured From Factory With Your Specifications
- Pre-Built Dashboards And Alert Categories
- 1 Year Of UE Insights Cloud Platform
- Technical Support & Remote Expert Diagnostics



Contact