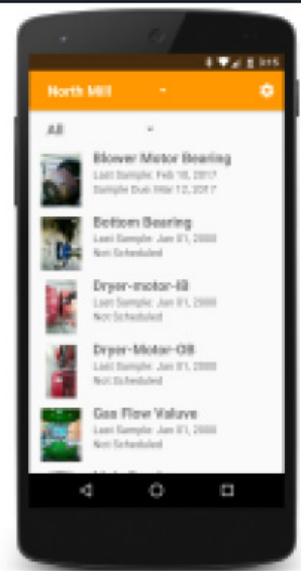# InCTRL CONDITION BASED MONITORING SYSTEM

The ability to instantly see, hear, monitor, & diagnose bearings at your fingertips.

What is InCTRL?

InCTRL the cloud-based ultrasound CBM systems was developed by CTRL. Its purpose is to allow companies to analyze, trend, and report the condition of critical components of equipment in their facilities.

How does it work?

The InCTRL mobile app allows the technician to take ultrasound readings directly from the CTRL UL101 sensor, using a standard Android smartphone, and upload that data to the InCTRL server via wi-fi connection. Baselines, test readings, and photos of test points are all stored and accessible immediately upon upload. The newest updates to the app allow for ultrasound data to be efficiently communicated from the technician throughout the organization to quickly identify problems without multiple trips back and forth to a desktop.

Do you already have competitive sensors?

Now current users of ultrasound who have made investments in any sensor have a choice do not necessarily have to reinvest in new hardware to begin benefiting from ultrasound condition based monitoring (CBM).You can expand your current processes to include the capture, storage, and analysis of your data with a call to action as others have. Cables and first-hand instructions are provided, with an InCTRL Connectivity subscription, for connecting those sensors through an Android smartphone to the cloud-based InCTRL system.

InCTRL Benefits

- extend machine life
- increase reliability
- reduce downtime
- justify maintenance costs
- schedule maintenance tasks
- make maintenance decisions with empirical data
- improve communication between management & maintenance crews
- Immediate feedback while in the field*

* requires wireless internet connection

Ultrasound condition-based monitoring begins with InCTRL

Specifications

- Unlimited sub users per facility
- Unlimited storage of Test Points & Test Point photos
- Unlimited Test Points per Location
- Unlimited Routes per Location
- Data stored on high availability, secure servers
- No installation required
- Automatic updates

Minimum Requirements

- Internet Explorer 7, Chrome 50, or Firefox 3 (or later versions)
- Smartphone with Android 4.0.4 or newer OS

Corporate-wide Implementation

InCTRL easily deploys across an entire corporation; with an internet connection, executives and upper management can get a bird's eye view of maintenance activities and health of equipment by location.

Quick Start Training

CTRL provides a 3-hour One-on-One quick start Webinar for every new InCTRL account. Training is followed up with three Webinars to cover additional topics and help with any questions. Class topics include: InCTRL web application setup and use and operation training, and InCTRL mobile application use and operation training.

Turnkey Ultrasound Implementation & Training

Additionally, we provide 1-1/2 day onsite Training to implement the system in your plant and train your employees in the use of your new ultrasound equipment and CBM system. Program components include: 4 hours conference room / 8 hours hands-on, Max 10 persons / class, Intro. To Ultrasound Technology, Use/Operation of UL101 & InCTRL, Tips/Techniques, Hands-On Experience, Set-Up InCTRL Baselines for 10 Pieces Critical Equipment

Customized Training

Let CTRL desgin a training class to meet your organization's needs.

Features

Cloud-based
Access ultrasound test data from any internet connected desktop

Wireless Uploads
Upload ultrasound samples wirelessly from InCTRL Mobile* to our cloud-based servers

Flags & Sends Email Alerts
Flags and sends alerts when amplitude exceeds set threshold

Bearing Health Assessments
Responses include: under lubricated, normal, suspect, questionable

Stack & Overlay Ultrasound Waveforms
Detect early signs of equipment wear through baseline comparison

Trend Ultrasound Data
Plot root mean square (RMS) calculations overtime

Reporting
Create reports for cost justification, meetings and longterm planning supporting ROI and KPI

Multiple Location Deployment
Corporate-wide implementation available

Share Data
Share data with other departments or with multiple plants around the world

* requires wireless internet connection