



INTRODUCING UE ONE™

THE CONNECTED ULTRASOUND PLATFORM BUILT FOR ACTION.

UE ONE connects ultrasound data, analysis, reports,
alerts, and action across the UE Systems portfolio.



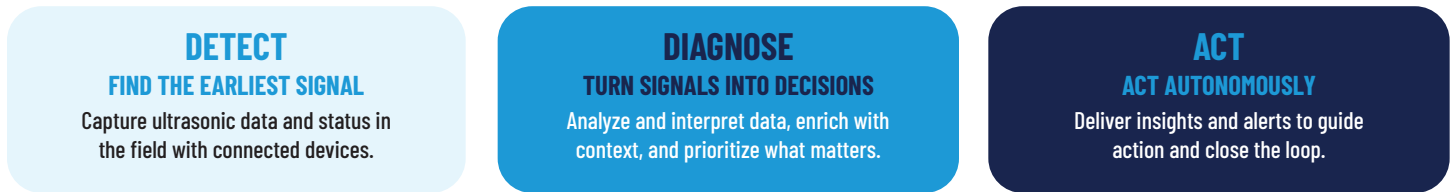
UE ONE

ue.one

ARCHITECTURE

HOW UE ONE CONNECTS THE ULTRASOUND WORKFLOW.

UE ONE connects four layers—products, core components, platform workflows, and embedded intelligence—to turn ultrasound data into confident action. Data flows from connected products in the field into the platform, where it’s analyzed, organized, and enriched with intelligence so teams can detect issues earlier, understand what they mean, and act at scale.



CONNECTED PRODUCTS



UE ONE™ PLATFORM

1. CORE COMPONENTS



2. PLATFORM WORKFLOWS



3. EMBEDDED INTELLIGENCE



UE ONE DEPLOYMENT OPTIONS



01 CONNECTED PRODUCTS

Portable tools, fixed scheduled systems, fixed always-on monitoring, and condition-based lubrication products generate the field data and response signals that start the workflow.

03 PLATFORM WORKFLOWS

Data connectivity, routes, analysis, alerts, dashboards, reporting, and administration help teams standardize processes and scale programs across users, assets, and sites.

02 CORE COMPONENTS

Analyzer, Copilot, Pattern Intelligence, and OnTrak Hub help teams review evidence, interpret what it means, prioritize attention, and connect condition insight to action.

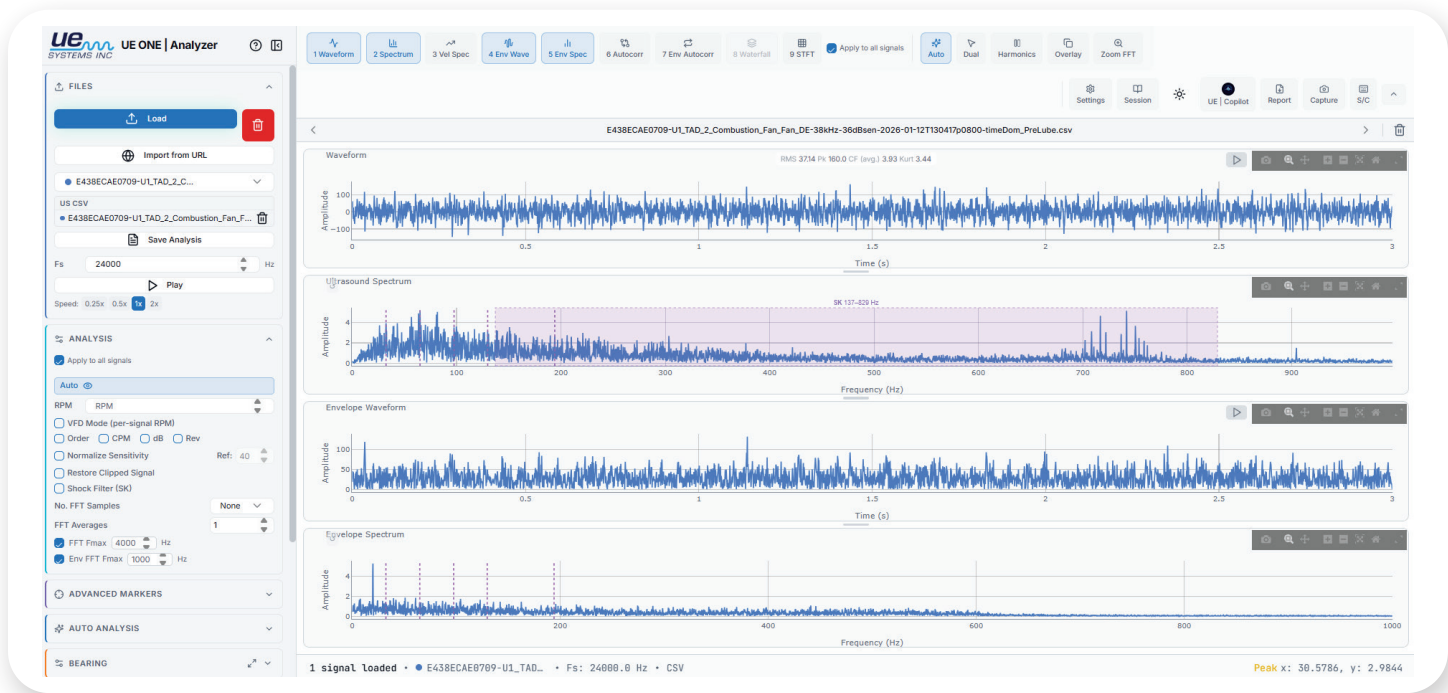
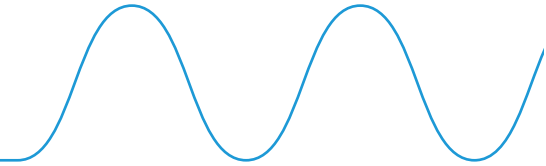
04 EMBEDDED INTELLIGENCE

Anomaly Detection and Baseline Advisor help teams identify abnormal behavior sooner, guide setup, improve consistency, and focus attention on the issues that matter most.

CHANGE HOW ULTRASOUND DATA IS ANALYZED.

MOVE BEYOND DB TRENDS.
REVEAL THE EVIDENCE
INSIDE THE SIGNAL.

Analyzer gives reliability teams a purpose-built environment for advanced ultrasound review. Build diagnostic evidence with waveform, spectrum, envelope, harmonics, and bearing-context tools that help turn readings into clear findings.



BEARING DATABASE

Match assets, bearings, and setups to benchmark with confidence.

AUTO ANALYSIS

Instantly surfaces key features and alerts across every signal.

ENVELOPE + SPECTRUM

Reveal resonant energy and bearing characteristics that levels can't show.

SHOCK FILTER

Remove non-bearing impacts to expose true bearing activity.

NORMALIZE SENSITIVITY

Compare signals fairly across assets, routes, and technicians.

FROM LEVEL CHANGE TO EVIDENCE.

Analyzer reveals what's happening inside the signal—so you can act with confidence.

LESS GUESSWORK

Data-driven insights you can rely on.

FASTER FROM SIGNAL TO EVIDENCE

Automated tools surface what matters—faster.

STRONGER TECHNICAL FINDINGS

Document clear, defensible diagnostic evidence.

EXPERT GUIDANCE INSIDE THE ULTRASOUND WORKFLOW.

UE ONE | Copilot helps users interpret evidence, ask better follow-up questions, and draft technical findings inside the analysis workflow. It supports human judgment and helps teams scale review quality across sites and users.



GUIDED INTERPRETATION

UE ONE | Copilot interprets waveforms, spectra, and envelope data to highlight what matters and why—so you can focus on decisions, not data hunting.

MISSING INPUTS

UE ONE | Copilot flags what's missing or needed to increase confidence—helping teams avoid guesswork and go straight to the right data.

EVIDENCE SUMMARY

Get concise, signal-level evidence with key metrics, observations, and context pulled directly from your analysis.

NEXT-STEP GUIDANCE

UE ONE | Copilot suggests follow-up questions, options, checks, and comparisons to help you move analysis forward with confidence.



WHAT THIS CHANGES

REVIEW WITH MORE CONSISTENCY

Align teams with structured, repeatable interpretations grounded in evidence.

SPEED UP ANALYSIS AND COMMUNICATION

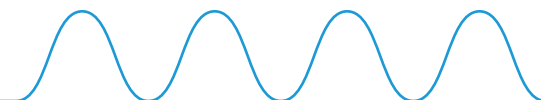
Spend less time searching and summarizing—share clearer findings, faster.

HELP NEWER USERS LEARN FASTER

Built-in guidance shortens the learning curve and builds reviewer confidence.

LEARN NORMAL. DETECT ABNORMAL.

Pattern Intelligence helps teams identify assets that may benefit from deeper monitoring or diagnostics by learning what normal looks like, spotting change, and ranking what deserves attention. It gives reliability teams a practical way to move from raw condition data to prioritized decisions—especially across large fleets where change can be difficult to see early.



COMPARATIVE ANOMALY TREND

Track how each asset's anomaly score changes over time relative to learned normal behavior and peer context. Teams can see whether a shift is isolated, emerging, or accelerating before it becomes a larger reliability issue.

FLEET HEALTH RANKING

Benchmark assets against one another using normalized health scoring and status context. This makes it easier to cut through noise, compare across fleets, and identify which assets are stable, drifting, or clearly abnormal.

PRIORITY ACTION PLAN

Turn machine-learning insight into a prioritized list of assets that deserve attention first. Pattern Intelligence ranks what to review and highlights the leading signals behind the score so teams can focus limited time where it matters most.

GUIDED ASSET FIT

Pattern Intelligence recommends the most appropriate anomaly detection approach for each asset, including temporal, peer-to-peer, or outlier methods. This helps teams apply the right model faster and with more confidence across different machine populations.



01 FIND ABNORMAL CHANGE EARLIER

Detect deviations from learned normal before they impact operations. By revealing subtle shifts sooner, Pattern Intelligence helps teams intervene earlier and avoid waiting for a severe alarm or failure event.

02 PRIORITIZE WHERE TO ACT

Focus limited time and resources on the assets that need attention most. Ranking and scoring help teams move from reviewing everything to reviewing what is most likely to matter.

03 APPLY GUIDANCE ACROSS FLEETS

Use consistent, data-driven methods across sites and equipment. Pattern Intelligence helps scale anomaly review with a more repeatable approach, even when assets behave differently from one another.



WHAT TEAMS GAIN

Earlier visibility into change, clearer prioritization, and a scalable way to decide which assets need deeper analysis, inspection, or action.

THE COMMAND CENTER FOR CONDITION-BASED LUBRICATION.

OnTrak Hub connects bearing health, lubrication status, alerts, work items, and reporting so teams can manage the full action workflow from one place.



BEARING FRICTION VISIBILITY

Continuously monitor bearing friction to detect early changes and prevent unplanned downtime.



ACTION TRACKING

Manage work items and assignments to ensure the right actions get done—on time.



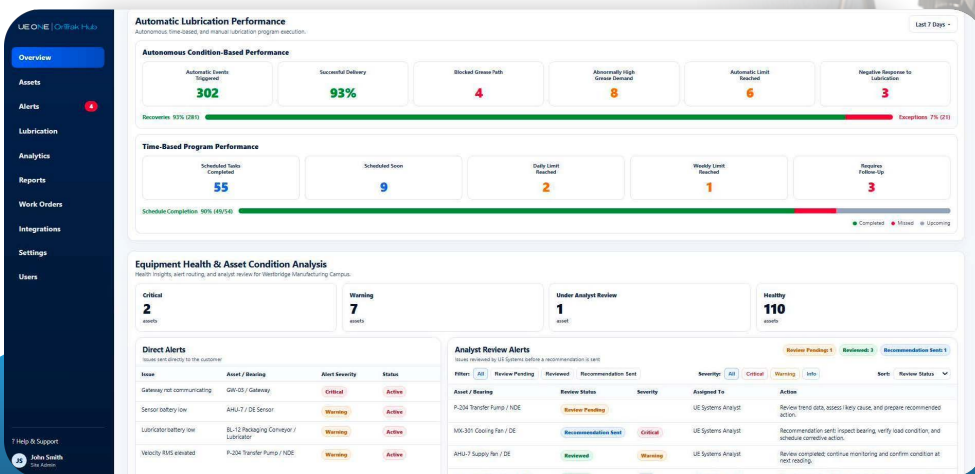
CONNECTED ALERTS

Receive intelligent alerts with context and guidance so you can act with confidence.



PROGRAM REPORTING

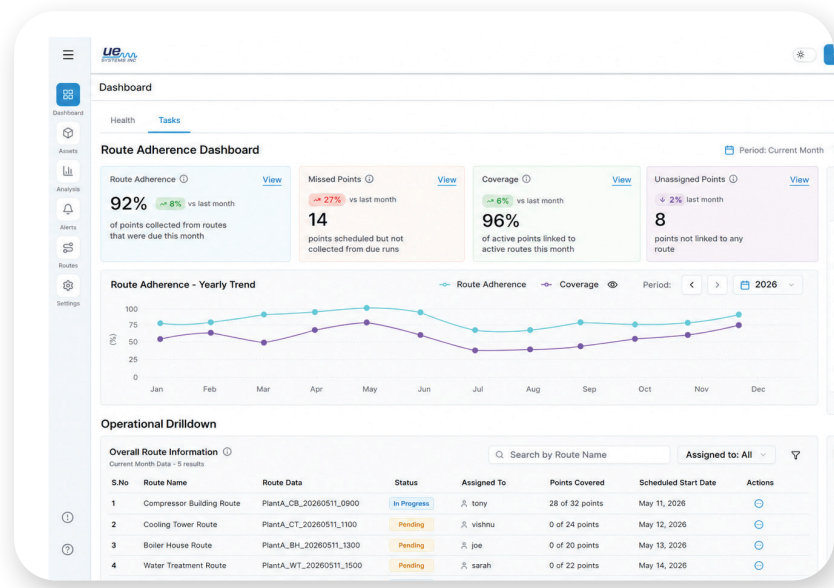
Generate reports and insights that measure performance and prove program impact.



UE ONE PLATFORM WORKFLOWS

WHERE ULTRASOUND PROGRAMS BECOME SCALABLE.

UE ONE helps ultrasound program teams monitor performance, drive consistency, and scale operations with confidence. Manage routes, track adherence, and surface gaps before they impact outcomes—all in one connected workflow.



ROUTE ADHERENCE AT A GLANCE

See how well routes are being executed with real-time adherence, coverage, and missed points.

TRENDS THAT TELL THE STORY

Track adherence and coverage trends over time to spot issues early and measure improvements.

DATA THAT DRIVES ACTION

Understand performance at a glance with route breakdowns and actionable insights.

TASK MANAGEMENT

View and manage daily tasks across all routes. Filter by user and status to stay focused on what's next.

OPERATIONAL VISIBILITY

Drill into route details, points covered, and task progress to keep operations running smoothly.

BUILT FOR SCALE

Whether you manage 5 routes or 500, UE ONE gives you the tools to scale without losing control.

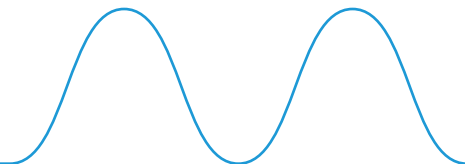
ONE CONNECTED WORKFLOW



SCHEDULED ULTRASOUND FOR THE POINTS TEAMS AVOID, MISS, OR SPEND TOO MUCH TIME REACHING.

RASTx-8 captures scheduled dB and waveform data from up to eight Remote Access Sensor points. It helps teams collect consistent ultrasound evidence from elevated, guarded, remote, awkward, or frequently missed locations without sending a technician to collect the same reading every time.

RASTx-8 is the practical middle ground between manual route collection and always-on monitoring. Not every point needs continuous monitoring, but many points need more consistency than a route can deliver.



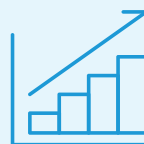
WHY IT MATTERS

Every reliability program has points that should be checked more often, but access gets in the way. RASTx-8 helps teams expand coverage, improve consistency, and reduce unnecessary trips to difficult points.

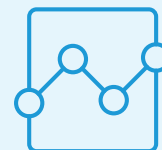
WHAT THIS CHANGES FOR THE CUSTOMER



Gets routine data without routine access



Improves consistency on fixed ultrasound points



Captures both the level and the waveform for review

ALWAYS-LISTENING ULTRASOUND FOR EVENTS THAT CANNOT WAIT FOR THE NEXT ROUTE.

4Cast continuously listens across up to four ultrasound channels and captures data by schedule or trigger. It is built for intermittent events, batch assets, related channels, and fixed points where timing matters.

RASTx-8 gives teams scheduled fixed-point collection. 4Cast goes further when the event itself matters. It helps preserve the ultrasonic context around changes that may appear and disappear between scheduled readings.



WHY IT MATTERS

Some failures do not wait for the route. Some process events only exist for a moment. 4Cast helps teams capture event-ready evidence when the timing of the signal is just as important as the signal itself.

WHAT THIS CHANGES FOR THE CUSTOMER

Captures evidence when the event happens

Preserves waveform context around changing conditions

Helps compare related channels during the same event

Up to 4 channels

Schedule or trigger capture

Simultaneous channel context

PORTABLE ULTRASOUND WITH EVIDENCE THAT MOVES BEYOND THE ROUTE.



Ultraprobe 15,000 is the most advanced, full-featured ultrasonic inspection instrument from UE Systems. It helps reliability teams inspect, analyze, document, and report from the field with confidence.

It captures the evidence reliability teams need—ultrasound, dB, temperature, sound, images, spectrum views, route context, and asset history—so findings can be reviewed, explained, trended, reported, and acted on.

WHY IT MATTERS

Portable inspection is still where many ultrasound programs begin. Ultraprobe 15,000 helps make that inspection more complete, more visual, and more connected to the decisions that follow.

WHAT IT CAPTURES

ULTRASOUND & DB

Detect issues with high-quality ultrasound and true dB readings you can trust.

TEMPERATURE

Measure surface temperature to help confirm operating conditions.

IMAGES

Document what you see with built-in camera for clear visual evidence.

SPECTRUM VIEWS

See inside the sound. Spectrum, waveform, and trend views help you confirm what's really happening.

ROUTE CONTEXT

Store location and asset details to keep findings organized and easy to review.

ASSET HISTORY

Build a history over time so you can spot changes and prove improvement.

WHAT THIS CHANGES FOR THE CUSTOMER

Turns every route into evidence, not just a checklist.

Replace subjective impressions with objective data that can be reviewed, explained, and acted on.

Gives technicians more context while they are still at the asset.

See more, understand more, and get it right the first time.

Creates a stronger bridge from field inspection to connected action.

Better data leads to better decisions, less downtime, and more reliable assets.



Multi-application inspection



On-board analysis



Wi-Fi sync

PRODUCT MODEL

EVERY PRODUCT HAS A JOB: DETECT, DIAGNOSE, OR ACT.

Detect, Diagnose, and Act describe how UE Systems products fit into the reliability workflow. Some products simply tell teams that something is wrong. Others capture the evidence needed to diagnose the problem. OnTrak connects condition insight to action.

UE ONE is the connected platform layer for the workflows that need data, context, analysis, alerts, reporting, and action at scale.

DETECT

TELL ME SOMETHING IS WRONG.

Detect products are built for simple, fast indication. They help teams find issues, confirm abnormal conditions, or feed a basic signal into an automation environment. These products are valuable because they are direct. They do not need to carry the full weight of connected analysis or platform workflow.

PRODUCTS:

- Ultraprobes - Digital Troubleshooting Instruments
- UltraTrak 850s Analog Sensor Series
- Ultraprobe 201 Grease Caddy

UE ONE RELATIONSHIP:

Not part of the UE ONE-connected layer. Detect products can stand alone because their job is simple: surface that a condition needs attention.

Detect means: tell me something is wrong.

DIAGNOSE

HELP ME UNDERSTAND WHAT IS WRONG.

Diagnose products capture richer condition evidence so teams can investigate, trend, compare, and explain what changed. This is where data becomes more valuable when connected.

PRODUCTS:

- RASTx-8
- 4Cast
- 4Site
- Ultraprobes - Condition Monitoring Instruments
- Ultraprobe 401 Grease Caddy

UE ONE RELATIONSHIP:

This is the primary UE ONE platform layer. UE ONE helps organize, analyze, visualize, report, and scale the data created by Diagnose products.

Diagnose means: help me understand what changed and why it matters.

ACT

HELP ME RESPOND.

Act products connect condition insight to intervention. This is where monitoring moves beyond awareness and becomes a response workflow.

PRODUCTS:

- OnTrak

UE ONE RELATIONSHIP:

Act is where UE ONE becomes operational. Through OnTrak Hub, teams can move from condition signal to lubrication action, work item, report, and program visibility.

Act means: turn condition insight into response.

EMBEDDED INTELLIGENCE ACROSS UE ONE

AI-enabled support for detecting change, setting baselines, and focusing attention where it matters. UE ONE includes embedded intelligence that helps teams identify abnormal conditions, configure monitoring, and improve consistency across platform workflows.



ANOMALY DETECTION

See what changed. Anomaly Detection helps identify unusual behavior or signal changes that no longer fit expected patterns so teams can focus attention where it matters.



BASELINE ADVISOR

Know your normal. Baseline Advisor uses AI to recommend baseline values and alert settings from condition monitoring data, helping reduce setup time and improve consistency.

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UE ONE

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