



APM Rounds Pro from GE Digital

Adopting a digital solution for operator rounds helps ensure vital equipment reliability and optimal O&M team performance. Using dependable asset health readings and team-wide productivity, collaboration and analysis tools, organizations consistently report measurable improvements in:

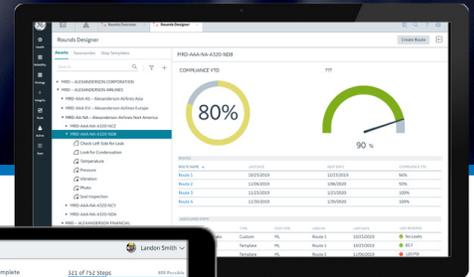
- Increased asset reliability
- Reduced maintenance costs
- Improved worker efficiency

Rounds Pro is a modern digital solution to optimize operator rounds efficiency and operational impact. Featuring a flexible mobile app and comprehensive capabilities for supervisors, reliability engineers and O&M managers, Rounds Pro drives asset reliability and overall operational excellence.

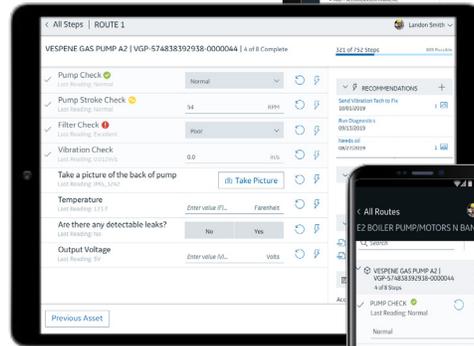
- Mobile operators efficiently inspect assets and collect data with an intuitive mobile app
- Supervisors easily create, schedule and track routes using features designed for scale
- Reliability/maintenance engineers use integrated APM tools and analytics to drive reliability

There's no more paper, manual and inflexible procedures, or siloed execution. Your entire team can work together with speed and agility to discover and resolve emerging issues, avoid downtime and optimize maintenance. And with the full power of GE Digital APM, rounds data can now be a foundation of a holistic asset performance management program.

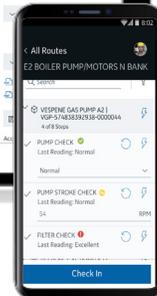
Rounds Pro is a component of GE Digital Asset Performance Management and is available as on-premises software or a cloud subscription. [Visit GE.com/Digital/RoundsPro](https://www.ge.com/digital/roundspro) to see a demonstration and learn more.



Rounds Pro Manager



Rounds Pro Mobile App



Operator Rounds – The Digital Solution Advantage

Many organizations have embraced software, analytics, and O&M best practices for select critical assets. But with over 40% of operations-critical assets dependent on manual inspections to assure proper functioning, their impact on O&M performance and costs is immense. Outdated and ineffective operator rounds programs are causing excess maintenance and downtime costs that today's industrials can ill-afford.

Adopting Rounds Pro for rounds data collection and management is the answer. From measurable reliability, productivity, and cost savings to a host of operational advantages, Rounds Pro helps drive all-round performance excellence.

Mobile Rounds Application
Collection, evaluation and action

Route Management
Scheduling, tracking and compliance

Asset Health Management
Analysis, alerting and full APM functions



Rounds Pro benefits at a glance

Improve reliability

Manually collected data is often lost, erratic and siloed. Rounds Pro ensures consistent and accurate data capture and full integration into your reliability and predictive maintenance programs. Customers report as much as a 300% improvement in mean time between failure.

Reduce O&M costs

Rounds Pro helps ensure regular inspections and a holistic predictive maintenance strategy that minimizes incidents, interruptions and unplanned maintenance. Customers report that an all-inclusive maintenance program reduces unplanned downtime by 15-20%.

Enhance worker productivity

Efficient and guided data collection, a customizable mobile experience, and collaboration tools help field operators work effectively and without pause. And with the O&M team working as a unit, our customers report productivity gains of up to 25%.

The invisible assets that matter

Studies show that over 40% of operations-critical assets are unconnected, dependent on manual inspection, and often neglected until failure. Traditional paper and ad-hoc management approaches are costing industrials millions in avoidable maintenance and downtime.

Regulatory compliance assurance

Compliance adherence and reporting can be difficult and complex. Rounds Pro compliance scheduling, tracking, and alerting allow supervisors to ensure that all regulatory and internal compliance activities are routinely executed and recorded.

Real-time response and agility

Despite all efforts, unexpected incidents arrive. With Rounds Pro, operators can immediately note and document any issues discovered. If an unexpected need occurs, supervisors can create ad-hoc tasks and assignments that are immediately visible to field operators for action.

Enforce and preserve best practices

Best practices are hard to define, broadly share, and enforce. With Rounds Pro your standard procedures, parameters, and best practices are built into guided workflows that are defined with authority, used by all, and easily tracked for adherence.

Teamwork across the organization

Everyone has a job to do but operations run at their best when cooperation is free flowing. Rounds Pro is designed for operator collaboration, and its issue notation and real-time assignment features make operators an active part of the reliability and maintenance teams.

Knowledge transfer and training

Institutional knowledge and best practices are seldom documented and too often lost in a changing workforce. With Rounds Pro, all is preserved and readily shared. Standard procedures and parameters are built into workflows with attachments for instructions, tribal knowledge, and tips.

Support continuous improvement

Positive work routine changes are common but also difficult to implement and adopt as standards. With Rounds Pro, new equipment, procedures, and operator recommendations can easily be incorporated into standard route steps with a few simple clicks.

CALCULATING THE PAYOFF

FOR A SINGLE ASSET CLASS

\$2,250 AVERAGE PUMP REPAIR COST

2,000 NUMBER OF PUMPS IN SERVICE

1.3 YRS ORIGINAL MTBR*

3.92 YRS IMPROVED MTBR

*Mean Time Between Repair

\$2.4MM

ANNUAL SAVINGS

Based on actual customer MTBR results paired with cost averages from the GE Digital Asset Answers benchmarking database

Rounds Pro – Value Across the Organization

Rounds Pro provides strong benefits to operators, supervisors and reliability/O&M managers. Just as importantly, it enables the team-wide cooperation and collaboration to drive end-to-end reliability and maintenance efficiency excellence.



DAILY TEAM ACTIVITIES



MOBILE OPERATORS

Enhance personal productivity and program contribution

- Operators efficiently take readings guided by an all-in-one app
- Operators can view current and historical readings charts per asset
- Discovering an issue, an operator takes photos and posts recommendations



ROUNDS SUPERVISOR

Manage an efficient, flexible and compliant program

- Scheduled routes and assignments are automatically sent to operator teams
- With a single click, the supervisor updates all routes with new details
- Supervisor tracks and verifies routes status and compliance in real time



RELIABILITY AND O&M MANAGERS

Drive effective reliability and maintenance programs

- Reliability manager monitors complete asset health via dashboards
- Noting an alert or operator notice, the manager investigates an issue
- Analysis prompts manager to update maintenance plan and rounds steps



TEAM-WIDE COOPERATION AND COLLABORATION

- Mobile operators collaborate freely to share rounds tasks and routes
- New/updated routes can be immediately launched for dynamic equipment conditions
- EAM work order requests are submitted based on mobile operator recommendations
- Routes and details are easily updated as part of maintenance strategy changes
- New employees train using standard knowledge and best practices preserved in the application
- The team works together to discover and resolve issues, avoid downtime and optimize actions

Customers using GE Digital APM with operator rounds software show strong benefits in uptime, productivity and worker safety



20%

Typical availability/uptime increase



Up to 25%

Gain in maintenance employee productivity



Up to 40%

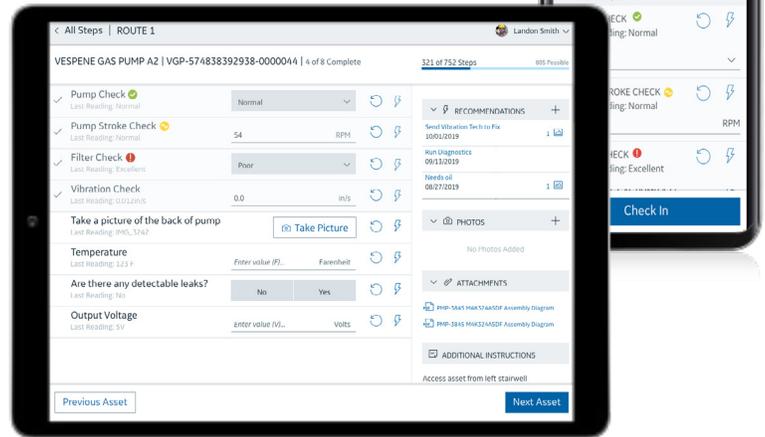
EH&S incident reduction

Key Features

Rounds Pro Mobile App

A versatile mobile app designed for tablet and phone-style devices

- Flexible route selection, sharing and ad-hoc actions
- Quick and Detailed View options for data collection and information
- Operator-provided image and recommendations annotations
- Operates in network connected and non-connected modes
- Supports iOS, Android and Windows tablets and phones



Rich mobile experience



Route tracking dashboard

Rounds Pro Manager

A unified portal to design, schedule and track routes at scale

- Templated/sharable steps include conditionals, instructions and attachments
- Route management includes masters, scheduling, and assignments
- Ad-hoc route creation, assignment and triggering
- Complete current and historical tracking, analysis, and compliance validation

APM-Enabled Analysis and Action

Seamless APM integration makes rounds a core part of a total asset reliability program

- Data visualization and analysis using APM Health dashboards
- Policy-driven alerts and actions based on rounds data
- Strategy planning linked directly to Rounds Pro route management
- EAM integration, including operator recommendations



APM-powered dashboards and functions

Operator Rounds – Before and After

Rounds Field Operators



How can I be more productive and contribute more to our operations?

Traditional Operator Rounds

Paper/manual tools hurt productivity and accuracy. It's difficult to evaluate readings data and initiate actions.



The Rounds Pro Difference

A flexible mobile app enables operators to share routes, collect data, evaluate status and make recommendations.



Rounds Supervisor



How can I easily create and assign efficient routes and schedules?

Route definition and scheduling activities are rigid, complex and difficult to scale.

Templates and productivity functions make route management simple and scalable.

How can I track and ensure a compliant and effective program?

Tracking, validation and compliance are manual. Running an effective program is a challenge.

Tracking and compliance views and tools enable end-to-end program management at scale.



Reliability and O&M Managers



How can I use rounds data to drive reliability and maintenance programs?

Data is often lost, inconsistent and siloed. Data analysis and predictive maintenance are problematic.

Data integration and rich APM functions enable complete reliability and predictive maintenance programs.



Conventional operator rounds collected data involves manually intensive, often paper-based, procedures. Equally challenging is harnessing the data to drive reliability and predictive maintenance programs. Modernizing the operator rounds process with next-generation software can bring impactful results across the organization.



Equipment Reliability



Employee Efficiency



Unplanned Downtime



Maintenance Cost

#1

Mobile applications for field workers was ranked the **#1 innovation choice** in Verdantix Operational Excellence Survey

Rounds Pro- Feature Summary



Mobile Data Collection

- Route search and selection
- Quick/Detailed Views
- Data views, indicators, trending
- Recommendation and image attachments
- Partial completion and sharing
- On/off network data collection



Step Design

- Picklist Creation
 - Measurements and Actions
- Conditional assignments
- Visual display settings
- Attachments
- Health dashboard indicators
- Template library: Step sharing across Routes



Route Creation and Activation

- Step selection and sequencing
- Assignment and scheduling
- Compliance parameters
- Route Master creation
- Route Instance activation
- Ad-hoc Route activation
- CSV download support



Tracking and Analysis

- Detailed route status
- Historical Analysis
 - Completed/closed instances and details
 - Standard and custom-defined summary charts and metrics
 - Collected data summary
- Data analysis via APM Health



APM-Enabled Analysis and Action

- Collected data is automatically displayed in APM Health dashboards for analysis
- Alert conditions and action triggers can be defined on Rounds Pro data readings
- Maintenance strategy updates can be immediately implemented in Rounds Pro
- EAM/CMMS automatic updates for workorder requests and maintenance plans

The Rounds Pro Advantage

GE Digital has been providing operator rounds solutions to industrial leaders for over 10 years. Rounds Pro is our next-generation offering that incorporates our vast customer experience and the latest technology and user experience innovations to deliver even more value.

GE Digital brings you the full power of a modern rounds application seamlessly integrated within an overall APM solution. From data analysis and analytics to O&M strategy and execution, your operator rounds program will drive team-wide reliability and operational excellence.



GE Digital APM



Health



Reliability



Strategy



Integrity



Safety

Requirements:

Requires APM Software version 4.6 or later (on-premises or cloud)

Mobile App: Supported Operating Systems

iOS 12, 13, 14 | Android 8, 9, 10, 11 | Windows 10 (64 bit)

Contact GE Digital

ge.com/Digital/RoundsPro

