BUILT TO BE **TOUGH.** MADE TO BE **EASY.**

NOBLES®
ENGINEERED BY TENNANT COMPANY

iris®

IRIS® ASSET MANAGER

Intelligent Insights

Key Benefits

- Make informed decisions
- Increased productivity
- Reduce cost to clean
- Ensure consistency

Next-Generation IRIS Capabilities

The new IRIS portal and upgraded onboard technology adds several new features:

- **More Intuitive User Interface**
  Redesigned to deliver a cleaner, more intuitive and mobile-optimized user experience — so you can get to the info you need, faster.

- **4G + Wi-Fi Connectivity**
  Onboard IRIS telemetry technology now combines 4G connectivity with Wi-Fi to keep machines connected even when operating indoors.*

- **Impact Detection**
  Built-in accelerometers detect machine impacts to help pinpoint potential misuse/abuse issues.*

IRIS˙ IMPROVEMENT CYCLE

MONITOR
Track key performance metrics

ALERT
Take immediate action with push reporting and desired critical alerts

IMPROVE
Measure your progress as you drive your desired outcome

IDENTIFY
Compare performance against trends and averages to pinpoint issues

* Only applicable to updated equipment — check with your Nobles sales representative for details.

Take Control of Your Fleet Performance

Take Action on Critical Issues Faster:
Push reports and critical alerts show your most important data, so you can take immediate action on potential fleet issues.

Ensure Cleaning Consistency:
Track machine usage and compare side-by-side usage for your entire fleet to drive consistent cleaning performance that meets all cleaning requirements.

Increase Productivity:
Identify under performing sites to provide additional training and implement best practices. Ensure optimal battery maintenance and extend battery life to minimize machine downtime.

Optimize Fleet Deployment:
See your true usage needs to "right-size" your fleet.

Lower Cost to Clean:
Optimize fleet deployment, increase productivity, maximize battery life and minimize battery replacement and maintenance costs, lowering your overall cost to clean across your entire fleet.
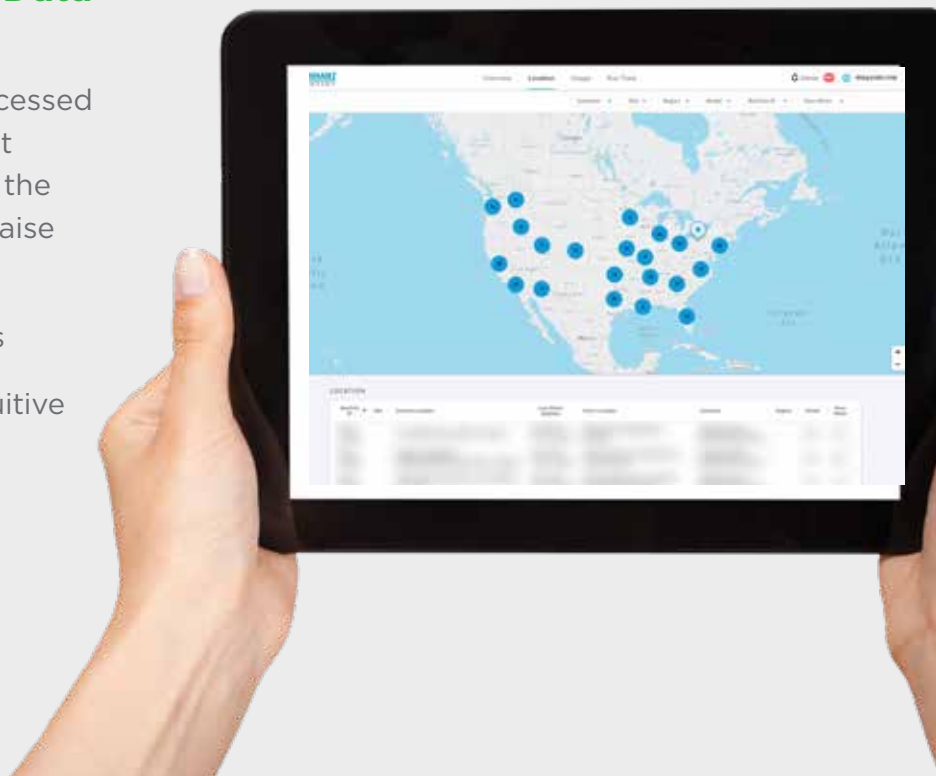
Powerful Features For Dynamic Fleet Management

Key Performance Indicators	
IRIS® Telemetry Performance Snapshot	**Push Reports & Critical Alerts** Rapid Notification on Fleet Issues
• Machine Usage: Maximize productivity and ensure operational and cleaning compliance by tracking daily usage. • Machine Location: Minimize the cost of lost assets with daily location reports. • Battery Metrics: See battery charging behavior to extend battery life.* • Impact Detection: Pinpoint misuse/abuse issues.	• Machine Relocated: Receive an alert if a machine moves more than the selected distance from its previously reported location. • No Machine Usage: Receive an alert if a machine is not used. • Battery Charging: Receive an alert if battery is not charged after use or opportunity charging occurs. • Impact Detected: Receive an alert if a machine impacts an object, signaling a misuse or safety issue.**

Putting Your Most Critical Data at Your Fingertips

The updated IRIS® dashboard — accessed through the My Account — makes it even easier to access and visualize the information you need to help you raise the bar on fleet performance.

• Secure anytime, anywhere access

• Redesigned interface is more intuitive and mobile-friendly

• Simple, clean graphics visualize key metrics

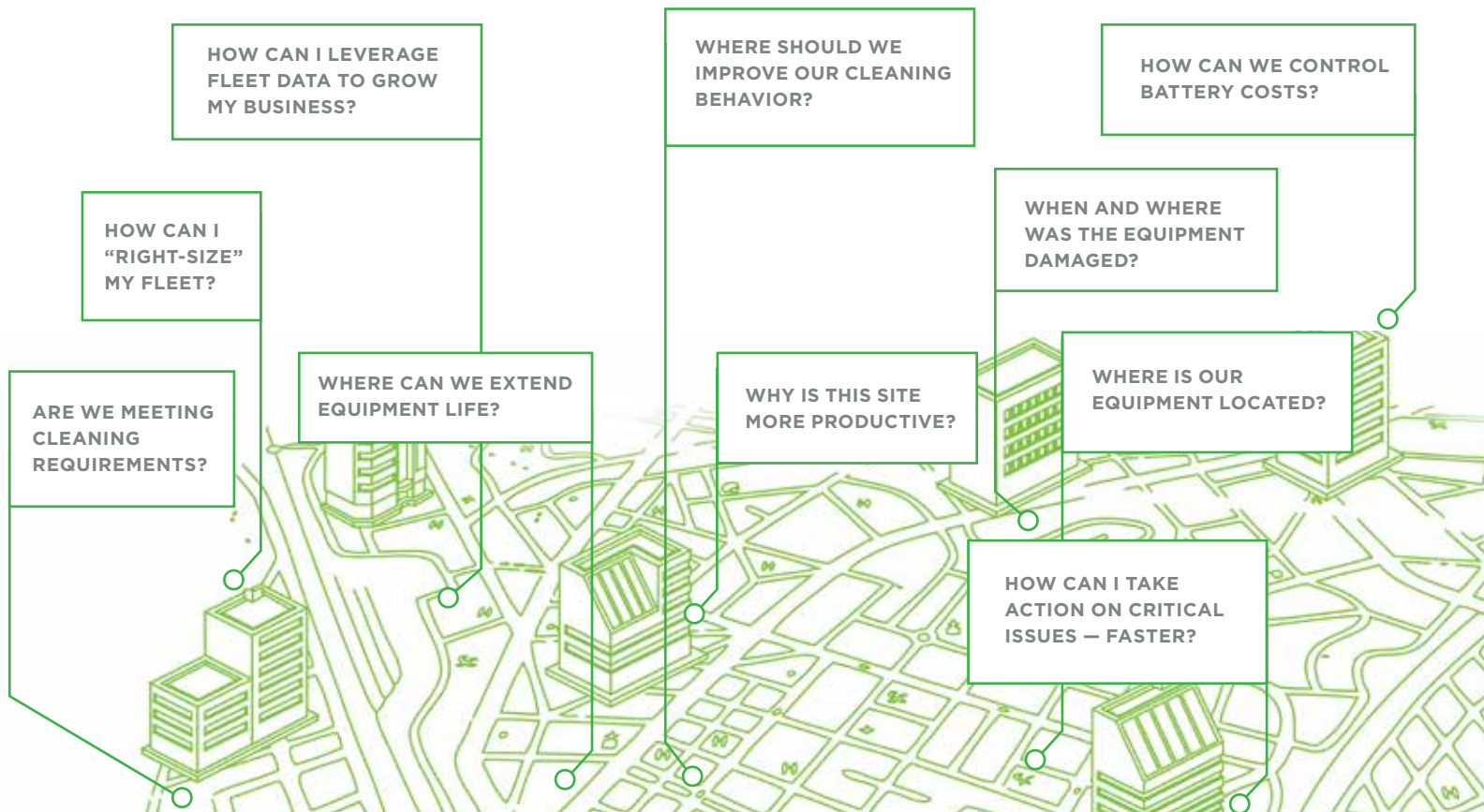• Push reports sent to key decision makers for instant review

* Battery metrics are available on select models only.
** Impact detection is only available on select models.

ARE YOU SEEING THE FULL PICTURE OF YOUR CLEANING OPERATIONS?

Managing your fleet comes with the challenge of monitoring many machines across multiple sites. IRIS® Asset Manager delivers key performance metrics, empowering you with intelligent insights to optimize fleet performance and reduce cost-to-clean.

SOLVE YOUR CLEANING OPERATION CHALLENGES

HOW CAN I LEVERAGE FLEET DATA TO GROW MY BUSINESS?

WHERE SHOULD WE IMPROVE OUR CLEANING BEHAVIOR?

HOW CAN WE CONTROL BATTERY COSTS?

HOW CAN I "RIGHT-SIZE" MY FLEET?

WHEN AND WHERE WAS THE EQUIPMENT DAMAGED?

WHERE CAN WE EXTEND EQUIPMENT LIFE?

WHY IS THIS SITE MORE PRODUCTIVE?

WHERE IS OUR EQUIPMENT LOCATED?

ARE WE MEETING CLEANING REQUIREMENTS?

HOW CAN I TAKE ACTION ON CRITICAL ISSUES — FASTER?

FIELD TESTED TECHNOLOGY + CONTINUED INNOVATION: A PROTECTED INVESTMENT

Tennant Company continues to update and improve our patented and proven IRIS technology — delivering more robust monitoring capabilities, enhancing the IRIS platform to deliver more relevant and actionable insights. This ongoing innovation gives you confidence in your protected investment.

For additional information on IRIS® Asset Manager, visit **www.nobles.com** or call **+1.800.553.8033**