# **ONE STEP** BATTERY MANAGEMENT.



# CELLTRAQ 🌍 SYSTEM

### **ENTERPRISE BATTERY ASSET MANAGEMENT**

As power reliability becomes more critical in telecommunications, data management, utility and other industries, management of batteries grows in complexity and importance. Uptime is a requirement, zero downtime is critical. Midtronics **CELLTRAQ**<sup>TM</sup>**SYSTEM** was developed to address the growing importance of 24/7/365 operation and simplify the process of battery maintenance and management.

# CELLTRAQ SYSTEM collects battery measurements generated by Midtronics CELLGUARD<sup>™</sup> wireless battery monitoring system or CELLTRON<sup>®</sup> battery analyzers to a central location allowing for:

- Simplification of the testing/monitoring data collection process
- Effective analysis of battery assets by facility personnel
- Efficient process management, including budget management of scheduled battery replacement

**<u>MIDTRONICS</u>** 

Stationary Power

## **CELLTRAQ**

# VISIBILITY IS KEY. SEE WHAT'S INSIDE.

# **AN X-RAY FOR YOUR BATTERY**

Visibility to key system parameters is needed to ensure reliability. Among those key parameters is backup battery state of health. An often forgotten element, the backup battery is a critical component of the standby power system. Without the proper view of its characteristics, the battery can fail without warning.

# **CELLTRAQ SYSTEM** ENSURES THAT STATUS INFORMATION ABOUT THE STATE OF HEALTH OF EVERY BATTERY IS AVAILABLE ON DEMAND FOR KEY DECISION MAKERS.



#### CELLTRAQ.NET

Hosted on a secure server by Midtronics providing effective processing and reporting of battery management data.

#### THIS CLOUD-BASED WEB APPLICATION PROVIDES:

- · Professional battery maintenance reports
- · Historical battery maintenance data
- · Alert notifications via email and text messages

#### WHY?

- Simplification of battery measurements collection
  process
- $\cdot\,$  All battery data is stored at a centralized location
- Ability to secure critical battery data without the risk of loss

#### **CELLTRAQ EXPRESS**

The primary function of the **CELLTRAQ EXPRESS** PC Application is to read the .csv file generated by **CELLTRAQ ADVANTAGE** battery analyzers and display the results on screen, which can also be exported to Excel or exported as a PDF report.



### **PHONE/TABLET APPLICATIONS**

**CELLTRAQ** is available as iOS and Android phone and tablet applications. The same read/alert functionality contained in **CELLTRAQ SYSTEM** are the primary features of the **CELLTRAQ** phone and tablet applications. **CELLTRAQ** apps provide users with viewing capabilities of their measurement data, on-the-go from any global location along with alert notifications for alarms, warnings, and discharges.





# **CELLTRAQ SYSTEM** ENTERPRISE BATTERY ASSET MANAGEMENT

**CELLTRAQ SYSTEM** simplifies the process of battery data storage and management, enabling analysis and reporting of battery information from a centralized location.

**CELLTRAQ SYSTEM** is a full enterprise database system designed to manage battery system data generated by maintenance routines using Midtronics **CELLTRON®** battery testers or **CELLGUARD**<sup>™</sup> wireless battery monitoring equipment.

#### **CELLTRAQ** KEY FEATURES

- Server based architecture
- Provides centralized data storage, data access and management from any web access point
- Streamlines review of information and safeguards historical data
- Instant indication of battery asset conditions throughout enterprise from one on-screen indicator
- Ensures efficient review of system state of health
- Simple, familiar user-friendly set-up, navigation and reporting
- System-derived notification of battery faults via e-mail and text message as they occur
- Includes suggested corrective action for technician
- Automated reports delivered via email





#### **CELLTRAQ** KEY FEATURES

- Multiple contact notification
- Corrective action and audit trail record keeping
- Graphical presentation of battery system trends for rapid identification of potential future faults
- Centralized repository of battery information, including installation date, cost and performance specifications
- reporting and analysis
- SNMP Trap Notification (in addition to Email and Text Message)
- Automated PDF System Reports

### **REPORT GRAPHICS**



FIGURE 1: AN ORGANIZED APPROACH TO MANAGING DATA/USER INTERFACE FIGURE 2: AN EXAMPLE OF GRAPHICAL DATA OUTPUT

• Displays and produces formatted reports for key battery performance parameters/measurements • Measurements are captured, recorded and time-stamped at each occurrence for effective battery life history



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FIGURE 3: PRINTED REPORT OUTPUT

### CELLTRAQ SYSTEM REQUIREMENTS

#### **Application**

- Windows Operating System XP/7.0/8.0 Windows Server 2003/2008
- Tomcat Web Server
- SQL Server

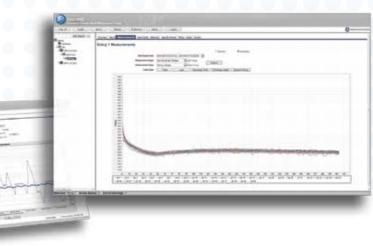
2005/2008/2012

Database (or SQL Server)
 2005/2008 Express free version

<u>Minimum</u> 4G RAM 2.6G Processor Tomcat: 2G RAM Database: 2G RAM

<u>Recommended</u> 6G RAM 2.6G or higher Processor Tomcat: 2G RAM or above Database: 4G RAM or above

\* Tomcat and the Database can either run on the same server or on separate servers





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