

Ensure mission critical power with Cellwatch Battery Monitoring



For over 25 years, the world's largest mission critical institutions, businesses and governments have relied on Cellwatch battery monitoring systems to protect their critical UPS and DC power protection applications. Cellwatch battery monitoring systems prevent unplanned outages by notifying you the instant a backup battery begins to exhibit signs of failure.

Cellwatch ensures power dependability for high critical marine applications

PREVENT UNPLANNED OUTAGES

With Cellwatch you can predict performance and make informed, data-driven decisions

SAVE MONEY AND REDUCE MAN-HOURS

Eliminate outages, extend battery life, reduce preventive maintenance costs and eliminate man-hours in the battery room

COMPLY WITH SAFETY REQUIREMENTS

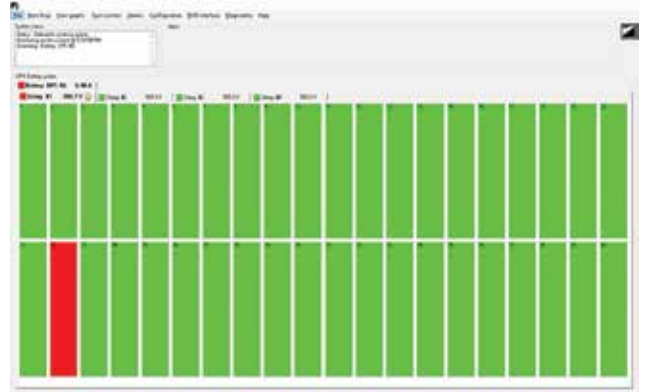
Cellwatch is ATEX Certified II 3G T4 Compliant

ENSURE SAFETY AND RELIABILITY

Meets UL 61010, supports IEEE 1491, and minimises human contact with your battery

Why Fleet Operators Choose Cellwatch

- Cellwatch 24x7 monitoring is more reliable and accurate than doing preventive maintenance even on a daily basis
- With a click of a button, you can identify the exact location of a failing cell
- Our distinctive modular design enables easy and cost-effective expansion
- Extremely high precision measurement and repeatability provides accurate and dependable performance reporting
- Cellwatch has the best analysis tools in the industry
- Simple integration into third-party management systems
- ROI is often realised in 18–36 months
- Inter-cell connection monitoring



Cellwatch Delivers Time- and Cost-savings for Maritime Operations

- Centralised system management with hierarchical interface
- Could be integrated into control room equipment
- Alarm identification on screen and on each cell
- Comprehensive tool set for fast battery analysis
- Modular design allows for easy expansion
- Industry leading measurement technology can be used on any battery from 1.2v to 16v

Prevent Costly Downtime

Cellwatch continuously monitors the entire backup battery system, providing immediate warnings of battery deterioration so you can quickly identify, isolate and correct issues before a failure occurs. No matter where you are physically located, Cellwatch will alert your control center when your battery's performance may be changing.

With Cellwatch you'll be up and running and realising the benefits in hours not months.

Cellwatch Detects, Warns and Prevents Thermal Runaway

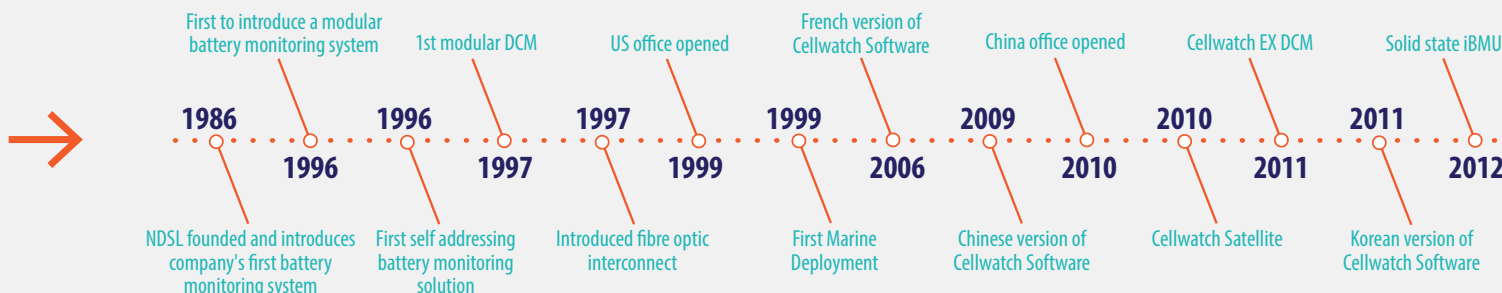


DISCONNECTED

Cellwatch instantly detects if thermal runaway conditions are present in backup batteries and provides a warning period allowing you time to address the problem without putting your mission critical load unnecessarily at risk.

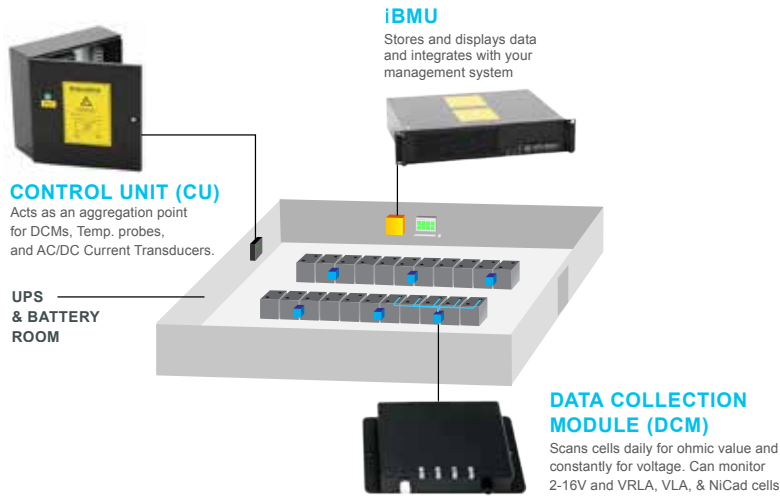
Cellwatch isolates the string by disconnecting the battery from the charger to prevent thermal runaway. If left connected and unaddressed, batteries could easily over heat and potentially cause fire or explosion.

25+ Years of



Have Complete Visibility of the Total Battery Install

A single Cellwatch system provides a comprehensive view of ALL batteries in one place. Cellwatch monitors all battery types—**UPS, generator, switchgear, communications gear, and other high critical backup battery systems**—so you know precisely when a battery needs to be serviced or replaced. All system configurations use the same components allowing for easy expansion or reconfiguration.



Cargo & Ballast Systems
DP SYSTEM
 Navigation & Communication Equipment
ENGINE CONTROLS
 Automation Power Management
 Propulsion System



Unmatched Reliability and Longevity

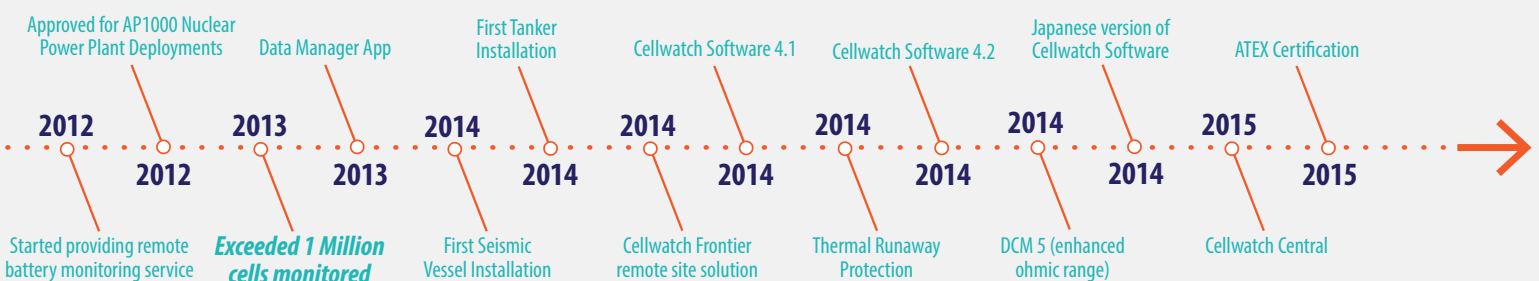
Cellwatch is designed to conform to IEEE recommended practices of battery maintenance, measurements and thermal runaway prevention ensuring you are in compliance with regulations as well as industry standards and best practices.

Cellwatch is fibre optic based for greater noise immunity – and Cellwatch data collection modules have an availability factor of greater than 99.999% – higher than the standard for many mission critical system components.

We adhere to strict industry standards to ensure excellence in everything we do. All Cellwatch systems undergo 100% pre-delivery testing to make certain you are receiving the highest level of quality and reliability.

ATEX DCM5	
www.cellwatch.com	
PART NUMBER: 741004	CE Ex nA IIC T4 Gc
HW/SW VERSION: 1.0 / 1.17	IP54
Max Current 3 amps	ATEX File # F2LQ6238-03HX
4 – 60 Volts DC	NDSL, Inc. 4112 Blue Ridge Rd Raleigh, NC 27612 USA
SERIAL NUMBER:	
MFG DATE:	

Innovation



Enhanced Services for Maritime Operations

We are committed to offering you outstanding levels of service. With 25 years of experience, we have the most knowledge in the industry and have developed a reputation as having the best customer service. We offer a host of enhanced services so you can get the most out of your backup batteries.

SUPPORTING SHIP DEPLOYMENTS FOR OVER 15 YEARS

Cellwatch was first deployed in a marine application in 1999. Cellwatch's reliability and self-service monitoring and control are key when your systems need to work without external assistance or support for extended periods of time.

IN-DEPTH TRAINING

High quality training is the key to successful implementation and operation of a Cellwatch battery monitoring system. Our interactive training programs offer hands-on experience so you will gain a comprehensive understanding of the entire system. Our training programs ensure your team develops the skills they need to maximise your Cellwatch investment, and so you keep your power on.

Cellwatch is the world's leading battery monitoring solution for backup protection applications

MODULAR AND SCALABLE DESIGN

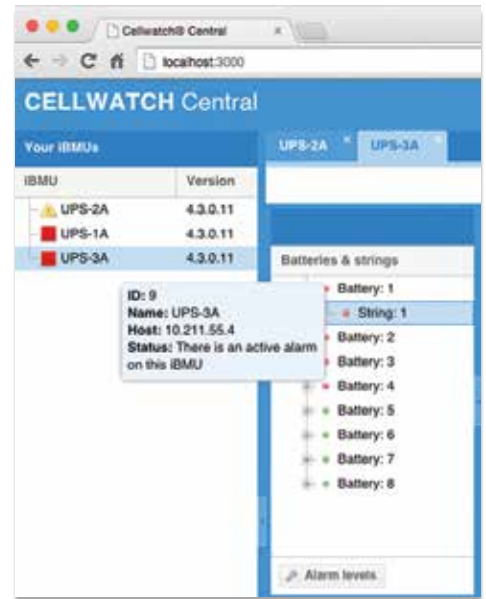
Cellwatch is simple to install and use. All system configurations use the same parts allowing for easy expansion or reconfiguration.

EASY TO USE INTERFACE

Cellwatch provides clear indication when a battery is at risk of failure. Alerts are forwarded to key personnel to ensure prompt action to remedy the problem.

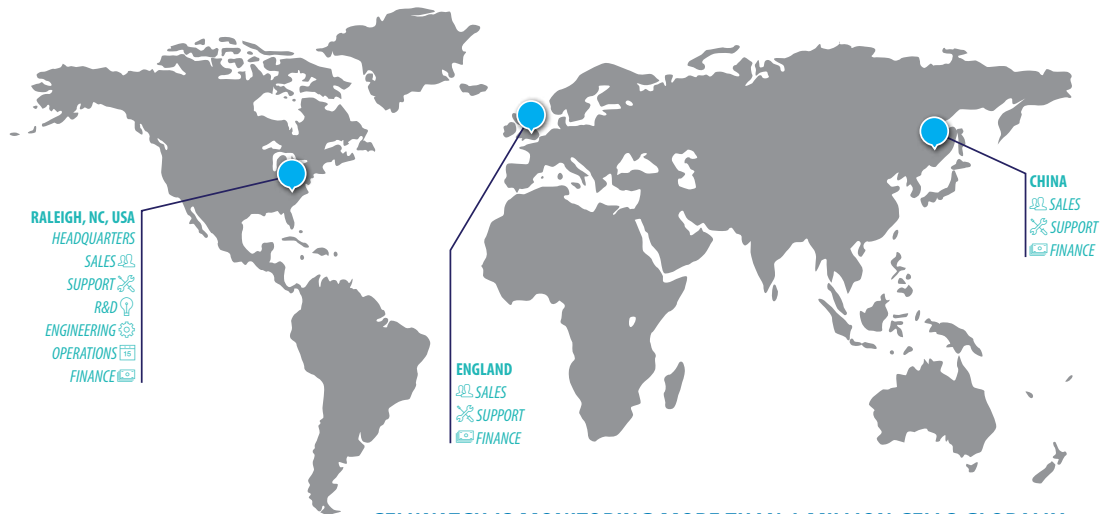
ACCURATE AND PREDICTIVE

Using the best technology, Cellwatch virtually eliminates false positives and provides complete battery visibility so you can determine battery health and know precisely when a battery needs to be replaced.



Installed Worldwide

We keep the world's largest internet companies, data centres, financial institutions, manufacturers and marine companies up and running with our state-of-the-art battery monitoring systems.



CELLWATCH IS MONITORING MORE THAN 1 MILLION CELLS GLOBALLY—ON LAND AND AT SEA

Give us a call or visit us online so we can help protect you from downtime and ensure greater peace of mind in your backup systems.

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