Cellwatch is a state of the art family of battery monitoring solutions that help prevent unplanned outages on critical power backup systems. Cellwatch was a pioneer in its ability to monitor batteries every day, now regarded as an essential requirement on critical UPS and power protection applications.

Incorporated in 1987 and headquartered near Research Triangle Park (RTP) in Raleigh, North Carolina, NDSL is a leading provider of technology and service solutions for mission critical standby power systems. Incorporating products and services from NDSL Battery Monitoring Solutions, we work with leading utilities and data center operators around the globe to prevent unexpected failure of their batteries.

Daily Battery Monitoring

Traditional battery monitoring systems perform the most crucial test – ohmic value – once a week or once a month. Knowing that a battery can fail in as little as two days, it is essential that your system be able to monitor your batteries every day. Cellwatch has been specifically designed to monitor the ohmic value of all the jars every day. As we say – “If it isn’t every day, it isn’t battery monitoring.”

Modular Design

Cellwatch is the only battery monitoring system that can monitor different jar voltages or different types of batteries (like generator batteries) on the same system. Consisting of just three main components, the Intelligent Battery Monitoring Unit (IBMU), the Control Unit (CU), and the Data Collection Module (DCM), Cellwatch is the easiest battery monitoring system to install, maintain, and expand. Each DCM automatically adjusts to 2, 4, 6, 8, 12, and 16 volt greatly simplifying installation and commissioning of the system.

Scalable System

Whether you are adding a string, a room, or a building, the Cellwatch system is truly scalable. Even the best laid plans sometimes get changed over time as the needs of your data center change. With only three major components, expanding your system is as simple as adding the appropriate number of components. No rewiring is required and the components can even be refitted to a change in architecture. Extending your system to cover your auxiliary batteries, like your generator batteries, is accomplished in the same way.

Our Track Record

For the last ten years NDSL has been making the finest battery monitoring system in the world. We pride ourselves on the concept of “making complex things simple” and making sure that our 2nd generation product is compatible with the generations before it. Major financial institutions and data center operators around the globe rely on Cellwatch to protect them from unexpected failure of their batteries.

For more information on the complete Cellwatch family of battery monitoring solutions, visit www.cellwatch.com
Cellwatch is a state of the art family of battery monitoring solutions that help prevent unplanned outages on critical power backup systems. Cellwatch was a pioneer in its ability to monitor batteries every day, now regarded as an essential requirement on critical UPS and power protection applications.

Daily Battery Monitoring
Traditional battery monitoring systems perform the most crucial test – ohmic value – once a week or once a month. Knowing that a battery can fail as little as two days, it is essential that your system be able to monitor your batteries every day. Cellwatch has been specifically designed to monitor the ohmic value of all the jars every day. As we say - "If it isn’t everyday, it isn’t battery monitoring."

Modular Design
Cellwatch is the only battery monitoring system that can monitor different pin voltages or different types of batteries (like generator batteries) on the same system. Consisting of just three main components, the Intelligent Battery Monitoring Unit (IBMU), the Control Unit (CU), and the Data Collection Module (DCM), Cellwatch is the easiest battery monitoring system to install, maintain, and expand. Each DCM automatically adjusts to 2, 4, 6, 8, 12, and 16 volt pin geometry simply by reprogramming and commissioning of the system.

Scalable System
Whether you are adding a string, a room, or a building, the Cellwatch system is truly scalable. Even the best laid plans sometimes get changed over time as the needs of your data center change. With only three major components, expanding your system is as simple as adding the appropriate number of components. No rewiring is required and the components can even be repositioned to accommodate a change in architecture. Extending your system to cover your auxiliary batteries, like your generator batteries, is accomplished in the same way.

Our Track Record
For the last twelve years NDSL has been making the finest battery monitoring system in the world. We pride ourselves on the concept of "making complex things simple" and making sure that our 2nd generation product is compatible with the generations before it. Major financial institutions and data center operators around the globe rely on Cellwatch to protect them from unexpected failure of their batteries.

Incorporated in 1987 and headquartered near Research Triangle Park (RTP) in Raleigh, North Carolina, NDSL is a leading provider of technology and service solutions for mission critical standby power systems. Major critical industries use NDSL battery monitoring solutions throughout the world to prevent unplanned outages due to battery failure and improve the operating costs of their backup power systems.

Cellwatch Battery Monitoring Solutions:

Cellcare™ – Our line of value added services enhances the value of your Cellwatch system:
- Cellwatch.net – Online monitoring of all your sites
- Onsite Training
- Extended Warranties and Maintenance Agreements
- Installation and Repair Services
- Cellwatch Satellite – Remote monitoring interface for power distribution monitoring appliances, ideal for utility and telecommunication industries.

For more information on the complete Cellwatch family of battery monitoring solutions, visit www.cellwatch.com

Cellwatch is a registered trademark of NDSL.
Cellwatch battery monitoring system

Investing in your UPS power protection equipment alone is not enough to guarantee that your UPS will be available when required. Businesses that rely on technology for their day-to-day operations cannot afford to risk even a split second of downtime, let alone an extended outage. Despite the advancements in UPS technology, one truth remains the same: when the power fails, the UPS needs to draw its power from banks of batteries to feed the critical load until it is able to start and synchronize instantly generators. It is well understood that batteries are the most vulnerable part of any UPS and that battery failure is a leading cause of power-related downtime. The more customers know about their batteries, the more detailed and current that information is, the better the chances of avoiding disaster.

Monitoring provides security and efficiency

Cellwatch is the premier battery monitoring system for highly critical technology installations where loss of power continuity is a critical concern. With the correct use of Cellwatch any unplanned outages due to battery failure can be eliminated and proper preventive battery management can be undertaken.

Monitoring saves you money

As well as being a critical part of ensuring power continuity, Cellwatch saves money by:

- Improving UPS uptime
- Reducing otherwise ineffective maintenance by as much as 75%
- Maximizing battery return on investment
- Accurate forecasting
- Increasing maintenance personnel safety

You Need Monitoring Because...

Daily battery monitoring is the key to overall power dependability on critical sites

In a power critical environment it is essential to know the continuous state of health of the lead acid batteries supporting the critical load daily. Cellwatch ensures that these critical batteries are in a good state of health and will function when required.

Unlike other battery monitoring systems, Cellwatch has been specifically designed to monitor the chronic value of all the jars in a battery every day. By avoiding the time consuming and potentially dangerous manual method of testing individual batteries, Cellwatch dramatically increases the likelihood of identifying a potential failure long before it becomes a power continuity problem.

Battery Facts

Over 75% of UPS failures can be attributed to a battery failure (including generator start batteries).

Up to 5% of batteries fail during the warranty period.

Any string of batteries is only as good as its weakest cell.

A failing battery puts additional strain on the remaining “good” batteries.

“Ten Year” batteries have a service life between four to six years.

 Batteries near end-of-life have lost 20% of their original load capacity and 50% of their original runtime.

Features and Benefits

- User friendly
- Easy setup
- Extensive data trending
- Remote monitoring
- Remote alarm notification (mobile)
- Logging features
- Analysis software

Cellwatch systems are supporting critical loads throughout the World.

There are no known customers operating Cellwatch who have had a “dropped” load due to battery failure.

You Need Monitoring Because...

Monitoring provides security and efficiency

Cellwatch is the premier battery monitoring system for highly critical technology installations where loss of power continuity is a critical concern. With the correct use of Cellwatch any unplanned outages due to battery failure can be eliminated and proper preventive battery management can be undertaken.
Investing in your UPS power protection equipment alone is not enough to guarantee that your UPS will be available when required. Businesses that rely on technology for their day-to-day operations cannot afford to risk even a split second of downtime, let alone an extended outage. Despite increasing the number of UPSs, batteries, and the more detailed and current that information is, the better their chances of averting disaster.

Cellwatch systems are supporting critical loads throughout the World. There are no known customers operating Cellwatch who have had a “dropped” load due to battery failure. The reason?

Cellwatch battery monitoring system

Over 75% of UPS failures can be attributed to a battery failure (including generator start batteries). Up to 5% of batteries fail during the warranty period.

Many Cellwatch systems pick up battery failures on install.

Batteries near end-of-life have lost 20% of their original load capacity and 50% of their original runtime.

Monitoring provides security and efficiency

Cellwatch is the premier battery monitoring system for highly critical technology installations where loss of power continuity is a daily risk. It is not an option.

Cellwatch is designed to monitor the ohmic value of all the jars in a battery every day. By avoiding the time consuming and potentially dangerous method of testing individual batteries, Cellwatch dramatically increases the likelihood of identifying a potential failure long before it becomes a power continuity problem.

Cellwatch allows for real-time monitoring and real-time alerts when something needs attention.

Cellwatch battery monitoring system

Your need monitoring because...

- Daily battery monitoring is the key to overall power dependability on critical sites

In a power critical environment it is essential to know the continuous state of health of the lead acid batteries supporting the critical load daily. Cellwatch ensures that these critical batteries are in a good state of health and will function when required.

Unlike other battery monitoring systems, Cellwatch has been specifically designed to monitor the ohmic value of all the jars in a battery every day. By avoiding the time consuming and potentially dangerous method of testing individual batteries, Cellwatch dramatically increases the likelihood of identifying a potential failure long before it becomes a power continuity problem.

YOU NEED MONITORING BECAUSE...

- Improving UPS output
- Reducing otherwise ineffective maintenance by as much as 75%
- Maximizing battery return on investment
- Accurate forecasting
- Increasing maintenance personnel safety
- Improving UPS uptime
- Reducing otherwise ineffective maintenance by as much as 75%
Monitoring provides security and efficiency

Cellwatch is the premier battery monitoring system for highly critical technology installations where loss of power continuity is a costly and non-optimal solution.

Monitoring saves you money

As well as being a critical part of ensuring power continuity, Cellwatch saves money by:
- Improving UPS uptime
- Reducing otherwise ineffective maintenance by as much as 75%
- Maximizing battery return on investment
- Accurate forecasting
- Increasing maintenance personnel safety

Daily battery monitoring is the key to overall power dependability on critical sites

In a power-critical environment it is essential to know the continuous state of health of the lead acid batteries supporting the critical load daily. Cellwatch ensures that critical batteries are in a good state of health and will function when required.

Unlike other battery monitoring systems, Cellwatch has been specifically designed to monitor the ohmic value of all the jars in a battery every day. By identifying a potential failure long before it becomes a power continuity problem, the likelihood of identifying a potential failure long before it becomes a power continuity problem.

YOU NEED MONITORING BECAUSE...

- Cellwatch is designed to monitor batteries for ohmic value daily
- Cellwatch allows full visibility of the lead battery including the generator and switchgear batteries
- A high level of reliability is maintained by changing suspect cells well before a failure occurs
- Many Cellwatch systems pick up battery failures on install
- Allows 24/7 monitoring
- Gives real usable data of each cell or jar/block in the battery system

You are an expert in monitoring technology and have mastered the art of keeping your critical load running smoothly. With Cellwatch, you can rest easy knowing that your batteries are in tip-top shape and ready to go whenever you need them.
Cellwatch is a state of the art family of battery monitoring solutions that help prevent unplanned outages on critical power backup systems. Cellwatch was a pioneer in its ability to monitor batteries every day, now regarded as an essential requirement on critical UPS and power protection applications.