CELLWATCH

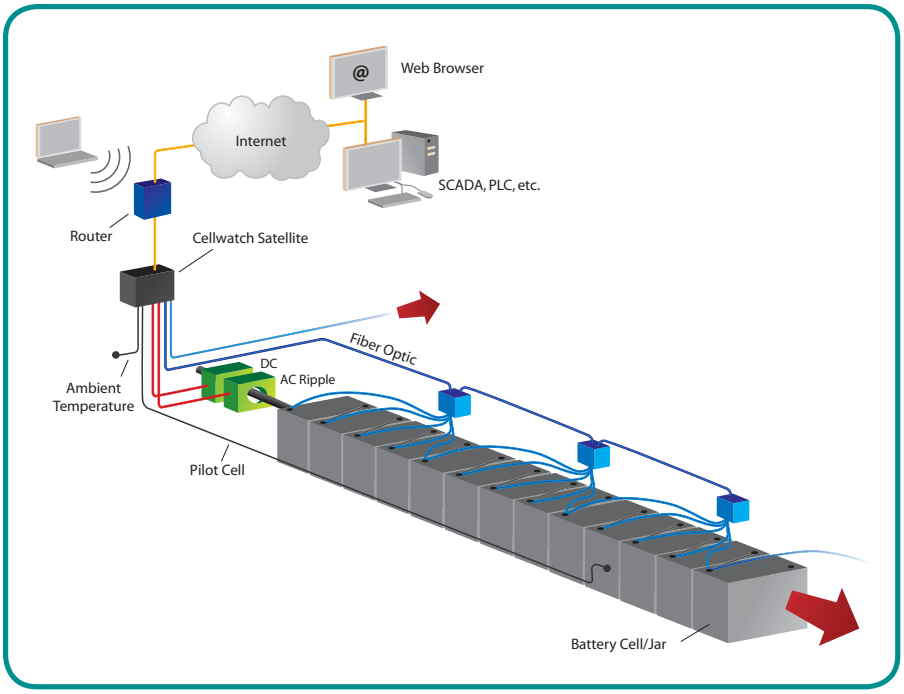
Cellwatch Satellite
Daily Remote Site Battery Monitoring

With storms, human error and other uncontrollable circumstances of life today - the grid feels the strain. And so do your remote critical power batteries.

Free yourself.

With Cellwatch Satellite you can be the beacon of performance - take charge of your batteries where loss of remote power continuity is not an option.

Cellwatch Satellite integrates into any third-party controller that accepts a Modbus RS485 or Modbus TCP/IP interface and connects via fiber optics to the Cellwatch data collection modules (DCMs) making backup monitoring seamless.



Features and Benefits

- 24x7 online monitoring of all batteries
- Records:
  - » Voltage per cell or jar/bloc – every hour
  - » Ohmic Value (OV) per cell or jar/bloc – every day
  - » Temperature – continuously
  - » Current – continuously
- User friendly
- Easy to install
- Eliminates the need for monthly and quarterly PM's
- Triggers an alarm and lights an LED on the battery mounted DCM for easy identification

If it isn't everyday,
it isn't battery monitoring.

CELLWATCH

CELLWATCH SATELLITE

A proactive battery management tool, Cellwatch Satellite maximizes uptime and ensures the safety of your maintenance team. With Cellwatch Satellite it is possible to detect battery failures much earlier and without sending out a maintenance engineer to perform sometimes dangerous manual testing.

Cellwatch Satellite reduces the cost of battery maintenance and is ideal for the oil and gas industry, the telecommunications industry and the energy and utility industry. For the last 14 years NDSL has been making the finest battery monitoring system in the world. We pride ourselves on "making complex things simple" and making sure our customers' batteries are ready to serve when called upon.

Remote monitoring with Cellwatch Satellite provides security, efficiency, and most of all peace of mind.

ENERGY RESPONSIBILITY
Cellwatch Satellite reduces PM's by 75% or more, not rolling a truck to a remote site reduces the sites carbon footprint and conserves our natural resources – while saving you money.

NDSL

www.cellwatch.com

SPECIFICATIONS

Size: 6.5"WX2.3"H X 3.8"D
Case: Alloy Enclosure

Electrical/Performance Specification

Operating Specifications

Operating Temperature:	0° to 50°C
Storage Temperature:	-20°C to 85°C
Altitude:	8,000 ft. max
Humidity:	0 – 80% non condensing
Supply Voltage:	9v to 60v at 5W max

Communications

RS-485:	Modbus RTU, 2000 ft. range
Ethernet:	Modbus TCP, HTTP, 330 ft. range
USB:	Auto sensing, Firmware updates only
Fiber Optics:	Proprietary protocol, interface with up to 32 DCMs, 150 ft. per segment

Input

External DC Current Sensor:	4 to 20 mA input
External AC Current Sensor:	0 to +/-5 volts input
External Temperature Sensor (x2):	+0.2°C to +100°C

Relay Contact Ratings

220 Vdc / 0.24 A - 60 W
125 Vdc / 0.24 A - 30 W
30 Vdc / 2 A - 60 W
250 Vac / 0.25 A - 62.5 VA
125 Vac / 0.5 A - 62.5 VA