

About BatteryCorp

BatteryCorp is a growing, global leader in the telecommunication services market. Founded in 1999, has evolved into a vibrant technology and services company providing mission-critical backup battery power solutions to the world's largest telecom carriers. BatteryCorp's innovative OMS[®] (Optimization Management System) technology platform supports more than 85,000 site locations for top U.S.A. Telecom providers -- enabling proactive planning for battery monitoring, modernization, maintenance, and the ability to predict battery failure before it occurs.

Challenges

Like most web applications in the past, BatteryCorp initially designed a database programming environment using Foxpro as its old style xBase programming doesn't work well on a wide-area network. As a results, changes required on the track of migrating the existing Foxpro to SQL server to manipulate very large databases.

As demand for online, dynamic content grew, BatteryCorp needed to re-architect their web infrastructure utilising the latest Microsoft ASP.NET MVC framework for building scalable, standards-based web applications using well-established design patterns and find a better solutions to aggregate and integrate data into the site.

As OMS[®] technology platform utilizes a comprehensive database of statistics and advanced algorithms to instantly evaluate an entire system to optimized reports was a big hurdle and we overcome by utilising Active reports which is a unique architecture that allows the lean reporting engine to quickly read records from the data.

Achivements

- Foxpro to Sql server migrations.
- Genarating complexity reports using Active Reports.
- Rapid development.
- Data Aggregation and Performance.
- Reduced Complexity.

Technology & Environment

- **Microsoft ASP.NET Model-View-Controller (MVC) architectural pattern**
 - Better support for test-driven development (TDD).
 - An extensible and pluggable framework.
 - Expressive Views including the new Razor View Engine.
 - Powerful hooks with Dependency Injection and Global Action Filters.
 - Rich JavaScript support with unobtrusive JavaScript, jQuery Validation, and JSON binding
- **Entity Framework**
 - Is an Object/Relational Mapping (ORM) framework that enables to work with relational data as domain-specific objects.
 - The Entity Framework's ORM implementation provides services like change tracking, identity resolution, lazy loading, and query translation so it focus on application-specific business logic rather than the data access fundamentals.
- **Language-Integrated Query (LINQ)**
 - Queries using LINQ in Entity Framework, is advantageous to retrieve and manipulate data as strongly typed objects.
 - It's a common syntax and a programming model to query different types of data using a common language.
- **SQL Server 2012**
- **Active Reports**
 - is a unique architecture that allows the lean reporting engine to quickly read records from the data.
- **jQuery**
 - jQuery is a JavaScript toolkit.
 - jQuery - **WijGrid**
 - core features supported by jQuery DOM manipulations, Event handling, Ajax Support, cross browser support and light weight library.
- **JavaScripts**
 - Is a scripting language is a lightweight programming language.
 - JavaScript code can be executed by all modern web browsers.

Sample Snap-Shots



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Reliable. Sustainable. Cost-Effective.

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The Global Resource for Backup Power Solutions

When the power goes out, will your backup batteries keep you on?
 With BatteryCorp, you've got the power to stay connected.

BatteryCorp is the premier provider of mission-critical backup battery power solutions to the world's largest telecom carriers. Through our patented OMS[®] Technology platform, we deliver the "no downtime" reliability the telecom industry expects and the business intelligence it demands.

Telecom Carriers
 Discover Our One-Stop Backup Power Solution

Global Partners
 BatteryCorp is Building Worldwide Telecom Alliances

Professionals
 We're Hiring
 The Best Place TO WORK @ BATTERYCORP

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Reliable. Sustainable. Cost-Effective.

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Your Network at Your Fingertips.

Critical to the success of telecom network operators is instant access to the right information. With BatteryCorp's patented OMS[®] platform you get all the data, reports and analysis you need, exactly when you need it, through an easy to use interface.

The seamlessly integrated OMS[®] technology platform utilizes a comprehensive database of statistics and advanced algorithms to instantly evaluate an entire battery system. It captures battery data from either remote monitoring equipment or on-site visits from certified technicians. Raw data is automatically aggregated and analyzed by OMS[®], which immediately identifies weaknesses in the battery plant, suggests the most effective remedy based upon customer-specified rules, predicts runtime reserve, and much more.

DATA COLLECTION → **DATA BASE** → **ANALYSIS** → **REPORTS**

- ✓ Field Personnel
- ✓ Project Management
- ✓ Battery characteristics
- ✓ Battery test data
- ✓ Audits & site images
- ✓ Battery state of health
- ✓ Runtime
- ✓ EH&S
- ✓ Dashboard & PowerMap[®]
- ✓ Replacement Forecast
- ✓ Warranty

Customized, branded website and reports: Complete analysis of every battery, string and location; On-line dashboard of test results with versions for service providers and end use customers; Management and technician reports in both detail and summary.

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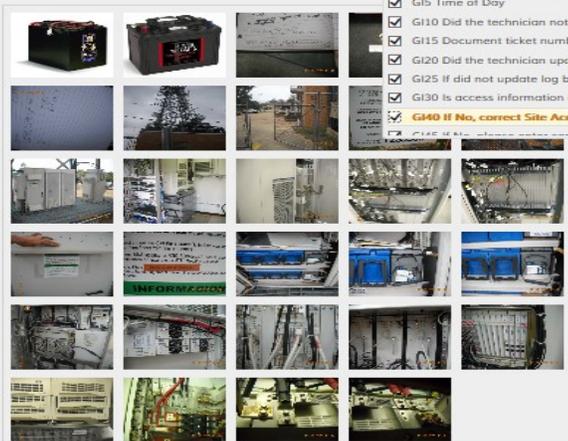
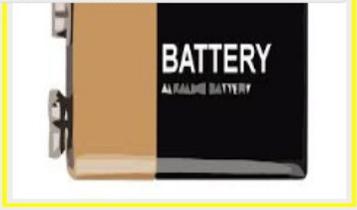
Upload Edit

Section UNASSIGNED GENERAL

Question Unassigned 28 selected

Check all Uncheck all

- G15 Time of Day
- G10 Did the technician notify the appropriate call center?
- G15 Document ticket number(s) if applicable
- G120 Did the technician update the site log book?
- G125 If did not update log book, please explain
- G130 Is access information & directions on cover sheet accurate?
- G140 If No, correct Site Access (Combo, TRACess, guard, building super, etc.)**

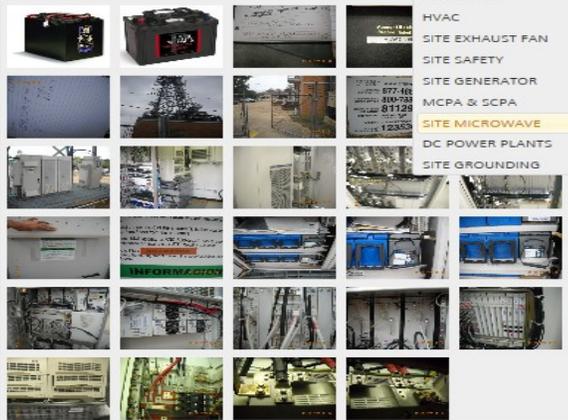
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Upload Edit

Section UNASSIGNED - Select Section -

Question Unassigned Sele - Select Section -

- GENERAL
- AC SERVICE
- HVAC
- SITE EXHAUST FAN
- SITE SAFETY
- SITE GENERATOR
- MCPA & SCPA
- SITE MICROWAVE
- DC POWER PLANTS
- SITE GROUNDING




Welcome Jonathon Barnes.

Site Audit

Site ID: **OK1018** OMS Site #: **104440** FA Code: **10004614**
 Audit Date: Audit Date must be within project date range 1/27/2014 - 7/15/2014 [Anomaly Detail](#)
 Project Name: 2014 DC Audits - Motte - 3P [Audit Images](#)
 Audit Last Updated On: 2/24/2014 By: Jonathan Barnes
 Common Anomalies:

GENERAL

Num	Questions	Answers	Anomalies	Image
GI5	Time of Day	<input type="text" value="3:30"/>		
GI10	Did the technician notify the appropriate call center?	<input type="text" value="Yes"/>		1
GI15	Document ticket number(s) if applicable	<input type="text"/>		1
GI20	Did the technician update the site log book?	<input type="text" value="Yes"/>		1
GI25	If did not update log book, please explain	<input type="text"/>		
GI30	Is access information & directions on cover sheet accurate?	<input type="text" value="Please Choose..."/>	Missing Information	
GI40	If No, correct Site Access (Combo, TRACess, guard, building super, etc.)	<input type="text" value="COMBO 2534"/>		
GI45	If No, please enter correct Site Directions information.	<input type="text"/>		
GI80	Identify ground surrounding site.	<input type="text" value="Gravel"/>		
GI95	Is site clear of excess vegetation growth?	<input type="text" value="Please Choose..."/>	Missing Information	
GI100	If No, describe vegetation growth.	<input type="text"/>		
GI105	Walk site perimeter. Are fence & gates clear of damage / forced entry?	<input type="text" value="Please Choose..."/>	Missing Information	
GI110	If No, describe abnormal fence perimeter & gate conditions.	<input type="text"/>		
GI115	Check all door hardware, locks, seals indoor, exterior padlocks. All OK?	<input type="text" value="Please Choose..."/>	Missing Information	
GI120	If No, please identify defects found.	<input type="text"/>		
GI125	List all key types to access the site (cabinets, doors, generators, etc.)	<input type="text"/>	Missing Information	
GI240	Does sign reflect carrier as owner?	<input type="text" value="Please Choose..."/>	Missing Information	
GI245	If No, document owner on the sign.	<input type="text"/>		
GI310	Antenna Platform	<input type="text" value="Guyed Tower"/>		
GI320	Document FCC registration (7-digit) number.	<input type="text" value="Unknown"/>		
GI325	Does tower have obstruction lighting (red beacon, white strobe, etc.)	<input type="text" value="Yes"/>		
GI330	Is the tower painted for FAA (Orange/White painted per FAA regs)	<input type="text" value="Yes"/>		

Total : 3

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