BatteryCorp

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**

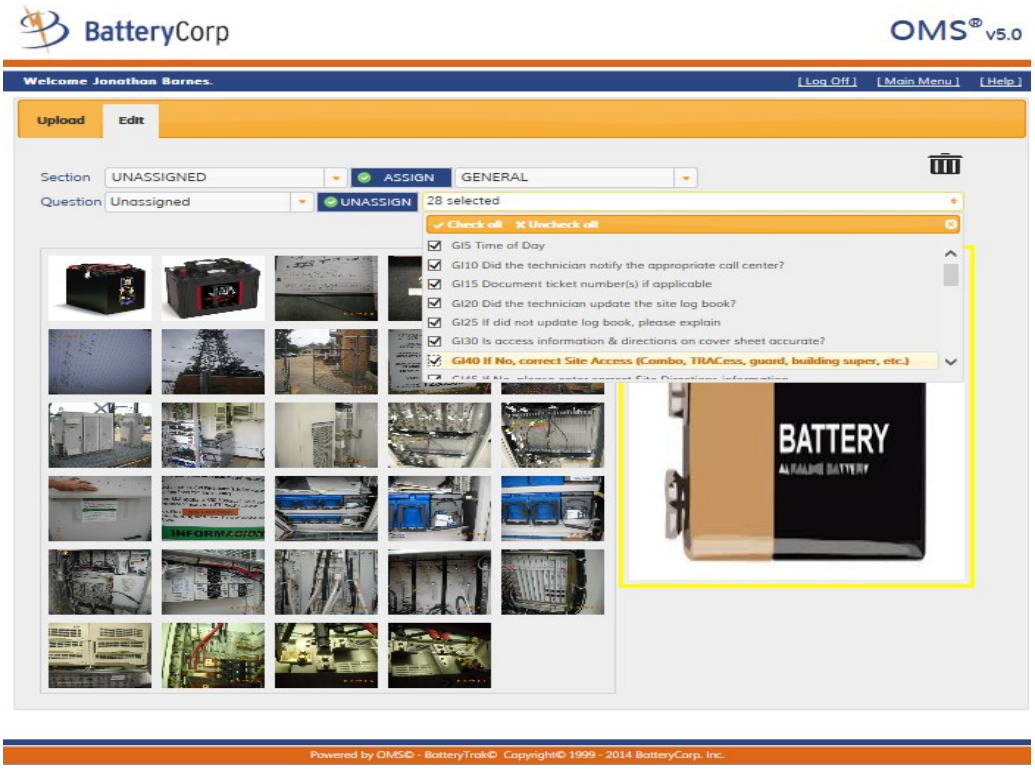
  - core features supported by jQuery DOM manupulations, Event handling, Ajax Support, cross browse support and light weight library.

- **JavaScripts**

  - Is a scripting language is a lightweight programming language.

  - JavaScript code can be executed by all modern web browsers.

Sample Snap-Shots


BatteryCorp
OMS® v5.0
Welcome Jonathan Barnes.
[Log Off] [Main Menu] [Help]
Upload
Edit
Section UNASSIGNED
ASSIGN
GENERAL
Question Unassigned
UNASSIGN
28 selected
Check all
Uncheck all
GI5 Time of Day
GI10 Did the technician notify the appropriate call center?
GI15 Document ticket number(s) if applicable
GI20 Did the technician update the site log book?
GI25 If did not update log book, please explain
GI30 Is access information & directions on cover sheet accurate?
GI40 If No, correct Site Access (Combo, TRACess, guard, building super, etc.)
BATTERY
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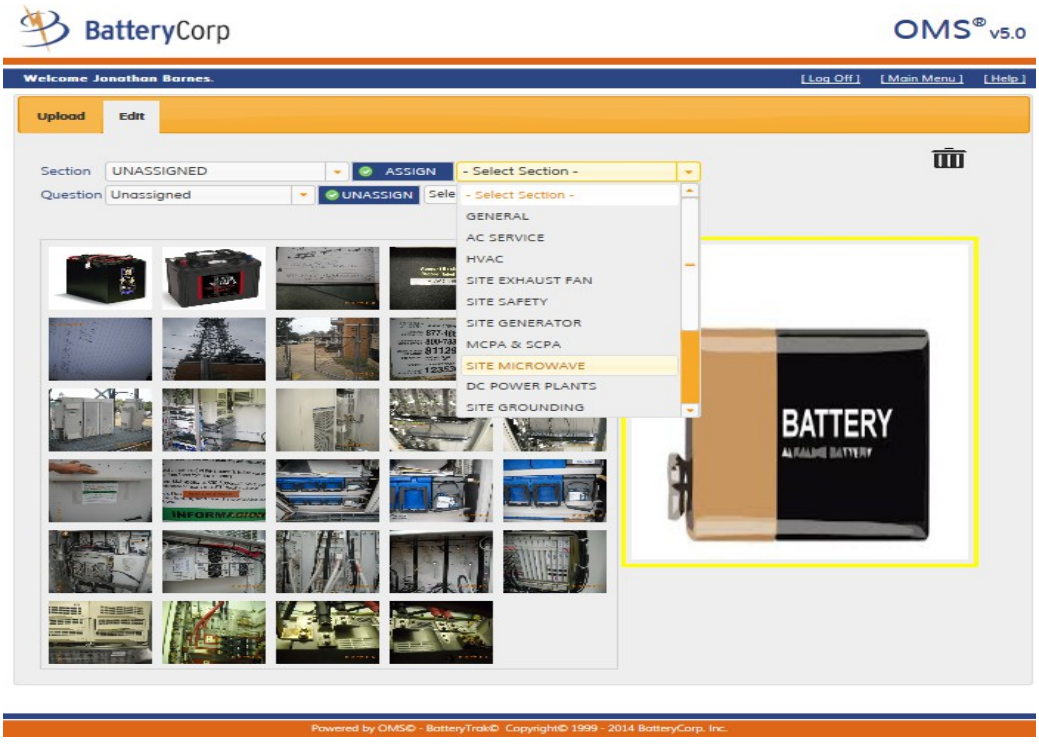
BatteryCorp
OMS® v5.0
Welcome Jonathan Barnes.
[Log Off] [Main Menu] [Help]
Upload
Edit
Section UNASSIGNED
ASSIGN
- Select Section -
Question Unassigned
UNASSIGN
- Select Section -
GENERAL
AC SERVICE
HVAC
SITE EXHAUST FAN
SITE SAFETY
SITE GENERATOR
MCPA & SCPA
SITE MICROWAVE
DC POWER PLANTS
SITE GROUNDING
BATTERY
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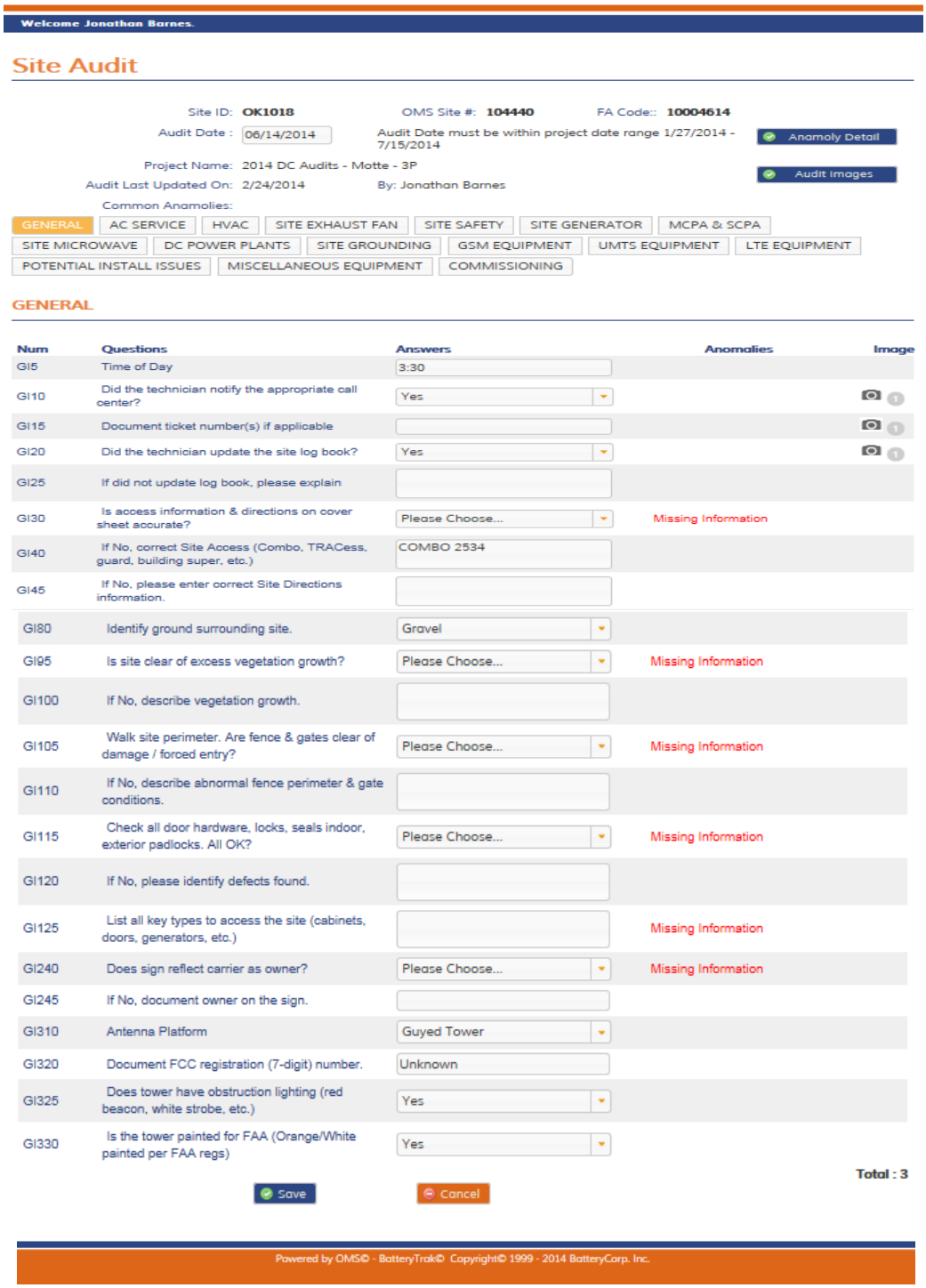

Welcome Jonathan Barnes.

Site Audit

Site ID: **OK1018** OMS Site #: **104440** FA Code:: **10004614**

Audit Date : 06/14/2014 Audit Date must be within project date range 1/27/2014 - 7/15/2014

Anamoly Detail

Project Name: 2014 DC Audits - Motte - 3P

Audit Images

Audit Last Updated On: 2/24/2014 By: Jonathan Barnes

Common Anamolies:

GENERAL | AC SERVICE | HVAC | SITE EXHAUST FAN | SITE SAFETY | SITE GENERATOR | MCPA & SCPA | SITE MICROWAVE | DC POWER PLANTS | SITE GROUNDING | GSM EQUIPMENT | UMTS EQUIPMENT | LTE EQUIPMENT | POTENTIAL INSTALL ISSUES | MISCELLANEOUS EQUIPMENT | COMMISSIONING

GENERAL

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

Total : 3

Save Cancel

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