



Lockheed Martin Information Services & Global Services

Lockheed Martin Automates Energy Audits for Large Utility Client

Lockheed Martin Global Services group secured a significant contract with a major utility to conduct field energy audits for residential and commercial customers in that utility's service area. The purpose of the energy audits is to provide utility customers with information on current electrical usage and suggest alternative approaches to save energy and subsequent expenses.

Auditing with Paper

When Lockheed Martin started this project, all of the audit forms were paper based which created a number of issues.

- Field Inspectors covered a multi-state service area and were required to deliver paper forms via fax, mail or physical delivery to a central processing location.
- Field Inspectors were required to carry different audit forms for residential users, industrial users, appliance inspections, HVAC inspections and various other inspection types.
- Inspectors were required to "repeat" their inspections as they retyped all of their inspection data into an inspection management system.
- Inspections occasionally contained inadvertent errors and omissions which were not recognized until the information was being entered into the inspection management system.

Automating the Paper

Lockheed Martin worked with Field2Base to turn the paper based audit process into an automated, electronic process. With the Field2Base solution running on a Tablet PC, Lockheed Martin inspectors are able to retain the paper form's "look and feel" while giving them access to new data types such as photos, GPS, bar code scanning, handwriting recognition, signatures and much more.

With Field2Base software, Lockheed Martin was able to streamline much of the tedium of the related to paper forms by using standardized electronic business logic such as drop down menus, check boxes, calendar menus and other predefined region types. Now, each inspector has access to every form they need to complete their job in a secure and easy to use tool

Additionally, these inspection forms are now pre-populated with customer data which significantly reduces the time required to complete an inspection. Each electronic form also has pre-defined business rules which are verified each time an inspector chooses to send information back to the home office. These automatic audits of the form insure the accuracy of the form data and prevent the inspectors from having to repeat the inspection process in order to correct any errors or omissions.

Future Enhancements

Lockheed Martin is now evaluating **MyData**[™], the suite of turnkey data integration tools, from Field2Base to allow form data being collected in the field to flow seamlessly and securely to their back end management system at the touch of a button.