

ELECTRIC & GAS

Efficient operations using Adobe Forms with ClickSoftware.



Two utilities companies, servicing over 23 million consumers collectively, successfully integrated Adobe Forms with the ClickSoftware mobile solution into their existing SAP ERP.

The VistaVu team designed, built, and integrated nine mobile forms to service their specific industry needs.

RESULTS

- ▶ **Integrated Mobile Solution** - allows for form customization, consolidation, and an enhanced user experience
- ▶ **Automated Form Generation** - specific to job type and crew
- ▶ **Pre-populated Fields** - significantly reduced duplicated data-entry efforts
- ▶ **Data Integrity** - the new centralized system keeps data together and easily accessible to the entire company.
- ▶ **Efficient Project Scheduling** - reduced defect cycles and testing with the integration of Adobe Forms and SAP



OVERVIEW

The two utilities provide electricity and natural gas to 3.5 million customers across 4,000 square miles and natural gas to 20 million consumers across 20,000 square miles respectively.

The utilities are undergoing an initiative that includes 20 enterprise technology and process initiatives that will upgrade capabilities over a 15 year period.

The major areas of focus were: transmission/distribution, back-office field/mapping

support, customer service, customer contact centers and IT infrastructure and network.

Both utilities were using home-grown legacy systems for construction and maintenance work management and wanted to implement SAP to streamline processes and integrate systems. The ERP system was SAP.

VistaVu was the lead system integrator for the full life-cycle of the WMS project (SAP EP5 EAM with Compatible Units and Operational Account Assignment; Over 450 RICEFW objects, ClickSoftware (scheduler and mobile), and Telvent Graphical Design Tools.

SOLUTIONS

ADOBE FORMS + CLICKSOFTWARE

The solution included the design, build and integration of 9 mobile forms.

FUNCTIONALITIES

- ▶ Pre-populated forms
- ▶ Automatic field update
- ▶ Automated form generation
- ▶ Form consolidation
- ▶ Drop down menus
- ▶ Data entry validation
- ▶ Form completion validation
- ▶ Delivered as attachment

FORMS

- ▶ As-Built Smart Form
- ▶ Electric Underground Service Order
- ▶ Electric Overhead Service Order
- ▶ Gas Service Order
- ▶ Electric Meter Form (install/remove)
- ▶ Excavation
- ▶ MAS
- ▶ Street Light Install
- ▶ Street Light Repair

AS-BUILT SMART FORM

The As-Built Smart Form provides the means for the crew to accurately report the actual material usage relative to the planned usage from the design.

As a result, the As-Built Smart form is tightly integrated with the SAP work order, Compatible Units, and Operational Account Assignment (accounting treatment, automated settlement rule determination, automated asset utilization, etc.)

- ▶ Display **As Designed** materials grouped by design location.
- ▶ View/edit comments field under design location
- ▶ Mark each material with **As Designed Flag** indicating **Actual Quantity = Planned Quantity**
- ▶ Indicate material **Actual Quantity** that differs from the **Planned Quantity**
- ▶ Identify unused material
- ▶ Add new materials
- ▶ Enter partial dates into **As-Built Smart** form without completion

Printing Options

All Locations Selected Location

Equipment Information

Header Information

As-Built Smart Form

No Materials Used

Comments

Crew Comments

Installed 2 Anodes.

Header Information

Save

Validate

Submit

Print

Location

(All locations) ▼

Add Location/Materials

	Location	Work Function	Stock Code	Stock Description		Planned	Actual	Scrap	As Designed	
	Default Location	INSTALL	N391073	Anode, Magnesium, 20-lb	EA	2	2		<input checked="" type="checkbox"/>	Equip Info
		INSTALL	N391073	Anode, Magnesium, 20-lb	EA	2		2	<input type="checkbox"/>	Equip Info

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