

# DataSplice Mobile Computing Solutions: **Mobile Work Orders and Inspections**



**When a utility provider wanted to phase out a paper based work order system and revamp their substation inspections they called DataSplice.**

**DataSplice created an innovative solution for the Southwestern organization that enhanced their entire workflow processes.**

*By providing access to information and using handhelds to create work orders, paper waste is eliminated, efficiency increased, and money is saved.*

## **DATASPLICE SOLUTION:** An efficient work order and substation inspection routine

**Utility Provider Solutions:** A major utility company which has customers throughout Southwestern United States wanted to upgrade their system. They worked with DataSplice to create a solution that would completely eliminate an inefficient paper-based work order system and utilize technology that would help to develop an “electronic route” for substation inspections to capture data quickly.

By utilizing cellular data communications, handheld devices and laptops as tools for the inspection process, they were able to combine several key data entry screens into one screen and save considerable data entry time. In addition, workers were able to collect the measurement data in real-time during the routes and rounds process, no matter where they were within the service area. Out of bounds readings and other problems initiated a follow-up work order which was immediately sent to a supervisor. As a result the company was able to drastically reduce task time and save money on labor hours while increasing reliability and response time.

DataSplice helps clients with more than basic data management for utility maintenance—we provide solutions to optimize current workflow and enable your facility to operate at consistent peak efficiency. We tailor a unique mobile solution based on specific requirements to support the way you already work—and you start saving time, labor hours and money upon implementation.

STANDARD FUNCTIONALITY: MOBILE WORK ORDER MODULE	
<b>Work Order Tracking</b>	A user’s work order list based on user log-in and basis of work assignment field. Typical base WO information is included, such as: Work order number, description, location, status, etc.
<b>Operation Steps/Tasks</b>	The operation steps or tasks associated with a work order. measurement points and condition are included
<b>Planned Labor</b>	Displays planned labor for a work order.
<b>Planned Materials</b>	Displays planned materials for a work order.
<b>Actual Labor</b>	Allows user to input labor records for self or other laborcode
<b>Actual Materials</b>	Allows user to issue the materials for a work order.
<b>Failure Reporting</b>	Ability for user to record the Problem Code, Cause Code, Remedy Code and Failure Remark for a Work Order.
<b>Work Order History</b>	Provides user the ability to view previous work orders for selected EQNUM.
<b>Safety Plans</b>	Provides user the ability to view the hazards and precautions.
<b>Lock Out / Tag-Out</b>	Allows user to view lock out/tag out sequence and tag locks.
<b>New Work Order</b>	Allows user to enter new work orders/work requests.
<b>New Follow-up Work Order</b>	Allows user to enter new follow-up work order.



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## It's time to go mobile

Management operations are moving to mobile solutions to solve a wide range of problems:

- Lack of access to critical data in the field.
- Complicated applications that are time-consuming for field staff.
- Excessive paperwork inhibits worker productivity.
- Redundant and/or conflicting data entries sacrifice the accuracy of data.
- Critical readings remain unnoticed in a pile of unfinished paperwork.
- Decision support process inhibited by lack of real-time information

## Why Choose DataSplice?

DataSplice offers a single, easy-to-use, highly configurable interface across multiple underlying databases and applications. Users see and can only access the information they need, when they need it, in the order in which they need it.

DataSplice technology works together as one cohesive unit. DataSplice does not require multiple servers, or that multiple clients are installed on one mobile device in order to access information. This enables users to access key inventory and work order data, for example, without switching between different applications or learning how to navigate multiple interfaces. In addition, DataSplice can access and collect information from different systems simultaneously, and still present it to users in a single, easy-to-use interface.

## Get the most from your software investment

As a tool for successful mobile data capture, the DataSplice Mobile Integration Suite provides a flexible platform for accessing critical information via handheld devices.



With DataSplice, remote workers are able to quickly access critical information. Work orders are retrieved and completed efficiently. Data integrity is preserved from the first key touch to the last. Paperwork, data entry delays and man-hours are significantly reduced.

If you are looking for a way to save money by improving the way you work, then DataSplice can help. All of your remote data tasks can be streamlined through our DataSplice Mobile Integration Suite, and can quickly enhance the way you manage your enterprise data.

## IT Manager's Dream

Easily customize the data and fields displayed to the user, the relationships and links between the data, and the business rules performed when information is modified. Users can simultaneously access data from Microsoft SQL Server, Oracle and other platforms with the same tool.

### ■ Rapid Implementation

The Administration Client enables simple and effective implementation and configuration. Using SQL statements, administrators can configure DataSplice to their organizations workflow without having to rewrite code to make changes or enhancements.

### Mobile Inventory Management Module

- Search on several dimensions for inventory records.
- Current balance adjustments.
- Reconcile current balance.
- Issue items.
- Return items to inventory.
- Transfer an item.
- Perform purchase order receiving.
- Issue reserved material.
- Issue, transfer and return rotating spares.
- Issue and return tools.

### Mobile Work Order Module

- Change the status of work order.
- View the work order long description
- Create new work orders.
- Create follow-up/child work orders
- Reassign work orders to another individual.
- Display work order tasks
- View equipment/location work history.
- Perform labor reporting.
- Create labor entries for multiple labor codes.
- View and issue material for a work order.
- Track labor planned for an existing work order.
- Display materials planned for an existing work order.
- View safety plan, hazards and precautions.
- View lock out/tag out procedures.

### Mobile Equipment and Asset Monitoring

- View equipment long description.
- Enter meter readings and measurements.
- View historical measurement readings.
- View and edit equipment specifications
- View spare part items.
- Add a piece of equipment.
- Modify name plate information
- Transfer a piece of equipment between locations



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