

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



Inspectors use handheld devices to record information, complete work orders and issue parts from inventory. They have increased efficiency while ensuring the safety of the public water supply.

When a utility provider needed an efficient way to inspect and maintain backflow devices, DataSplice helped them get their DUCs in a row.

DataSplice provided an innovative solution for a Florida water department that improved their entire inspection process.

DATASPLICE SOLUTION: An efficient backflow inspection routine

Backflow Inspection Solutions: Backflow prevention is serious business. Prevention devices are designed to protect water supplies from contamination due to backflow, cross-connections, and back siphonage. Inspecting and repairing devices is an important task for the inspectors in a Florida county utilities water department. They had to deal with redundant data entry and paperwork, and workers in the field could not check pending work orders, or request a follow-up work order at the inspection site. This, combined with labor intensive back office reports caused delays in dual check valve (DUC) inspections, repairs and regulatory procedures.

Utilizing handheld technology, the county utilities has improved their backflow device testing, repair and module change out. They now capture maintenance information more quickly and efficiently. By using DataSplice, inspectors now use a single screen, configured specifically for the process, which enables the user to quickly complete the test, issue the “puck” kit, report labor time, enter reasons for additional time used and report additional work required.

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.

DATASPLICE FUNCTIONALITY: MOBILE BACKFLOW TESTING	
Work Order Tracking	Testers download their list of backflow test work orders based on map page assignments, sorted by address.
Labor Reporting	Entering the start and stop time for the work order creates the labor record.
Issue of Material	The 'Issue Kit' checkbox is pre-populated to perform a material issue of the 'puck' kit.
Operation Steps/Tasks	If additional work on the backflow is performed, users select the additional work performed from a dropdown list.
New Follow-up Work	If follow-up work on the backflow is required users select the additional work needed from a dropdown list. When the users sync an email is sent to the administrator to create a follow-up work order.
Failure Reporting	If the user cannot complete the test a 'No Test' failure report is entered by selecting the cause code from a dropdown list.
Configurable Navigation	Users can quickly navigate to additional screens to view: Customer Information, Additional Devices at the location, Additional Location Information, and any pending work orders at the test location.



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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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