



# FUSION™

## What is FUSION™?

For a decade, JCMB has delivered specialized software and services to utility customers – focusing exclusively on DATA. This continuous exposure to the Data challenges of electric, gas and water utilities compelled JCMB to develop tools and techniques to better manage the Data that drives their Distribution Operations.

FUSION can be described as the bonding of advanced software technology with a rich development environment that surrounds a flexible Data Model at the core.

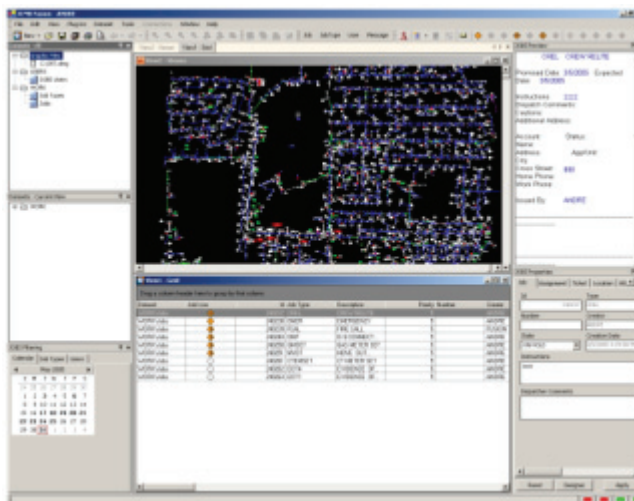
FUSION is a software Framework that offers a full suite of applications built to exploit Data in order to effectively *plan, design, build, maintain, share, report* and *analyze* the Distribution Network. This technology provides utilities with an integrated approach to maintaining their infrastructure.



## Why FUSION?

FUSION enables utilities to consolidate disparate Data into a single Oracle™-based repository. All departments can access centralized, quality Data using FUSION applications or their own. The cost-savings attributed to the improved business processes that rely on up-to-date and validated Data can be recognized across the enterprise – from

the IT department to the Field Crews and up to executive management who gain confidence in the numbers they are provided.



FUSION's open-architecture was designed to be used collaboratively with third-party applications; this enables users to easily integrate their legacy applications and co-exist within the FUSION Framework.

Since FUSION is a Microsoft® .NET application that uses Oracle as a data store, it exposes all the power of those

combined technologies into *one unified* development environment. Using the .NET Framework makes it possible to tap into a rich functionality set that connects to many different technologies and standards.

## What are the Benefits of Using FUSION?

- Reduce maintenance costs and improve Data integrity by centralizing the Data.
- Simplified Disaster Recovery and Data Integrity mandates—manage only one Data Center to service multiple business units.
- Optimized and streamlined business processes since the Data Center holds *all* the Data required to service applications running in various business units.
- Reduced labor costs by working with reliable information.
- Improved accuracy of regulatory and tax reports since the Data Center serves as the main Data store for multiple departments—Operations, Mapping...
- Higher customer satisfaction numbers by providing a faster response time.
- Improved overall productivity by eliminating dual-maintenance; Data efforts are concentrated in one centralized warehouse.
- Eliminate dependency on custom interfaces, proprietary Data Models and uncommon programming languages. IT departments regain ownership of the technology.
- Reduced cost of ownership by lowering expensive license pools from multiple vendors.
- FUSION is flexible, scalable and open; it evolves with the business and facilitates Data sharing with third party technologies.

## How does FUSION work?

### FUSION Applications:

FUSION provides utilities with a host of applications that all run within a single Framework.



The **Operations Series** includes *Crew Dispatch* with *Vehicle Location*, *Outage Visualization*, *One-Line Schematic Generation* and *Outage Reporting*.



The **Mapping Series** applications are used to build and maintain a Distribution Network Model with advanced support for complex devices, which are configured to accurately behave like the actual devices in service.

The Mapping Series includes an intelligent network *Editor*, *Reporting* module, advanced network *Trace* capabilities, *PrintGrid* plotting engine and *Markup* tools for redlining of facility maps.

### FUSION Toolkit (for IT Professionals):



The **Developer Toolkit** provides IT professionals with the ability to have complete control and ownership of the Data Model and application configuration. The Toolkit unlocks all the capabilities required to modify the

Data Model, build your own plugins or symbols for a special device or create a custom application. FUSION passes on non-proprietary, open and scalable .NET and Oracle development capabilities to the user.

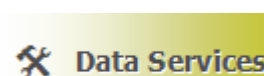
### FUSION DataPort:



The off-the-shelf Data sharing application is called **DataPort**. A DataPort can be configured for any database-to-database ETL (Extract, Transform and Load) requirement. Typically, the DataPort is utilized for

Data migration from one GIS to the next or to deliver fault-intolerant Data to an Outage Management System. The DataPort has Data Enhancement capabilities that offer an opportunity to systematically correct or enhance Data items as they stream through to their intended target(s).

### FUSION Services:



JCMB's in-house data technicians have accumulated experience in both data preparation and conversion. This team specializes strictly in electric, water and gas map conversions that are exclusive to the utility energy

market. With over 10 million customers processed, JCMB's Data deliveries include a formal Certificate of Conformance. Some examples of **Data Services** can include on-site Data Analysis, Data Conversion and Migration, Work Order Consolidation and Posting, Data FUSION and Business Process Improvement Strategy.

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