

JCMB's FUSION™ Enables Accelerated Application Implementation —GIS, OMS, Asset Management, Design

JCMB's role has been to facilitate Design, GIS and OMS project implementations since the mid-90s. Over the years, we have developed specialized Data analysis and correction tools to improve our Data processing efficiency and the quality of Data that we deliver to our customers.

JCMB's FUSION Framework represents the ideal cross-platform environment configurable to any GIS, OMS, Asset Management or Work Management (Design) process.

The FUSION Data Model is at the core of the Framework – it provides a flexible Data management system that leverages the benefits of a scalable and robust Oracle database.

The FUSION Data Model is designed to model all transmission/distribution network assets. Combining Data to serve multiple applications reduces Data errors, eliminates dual maintenance and significantly improves Data quality, traceability and ultimately – reliability for the end-customer.

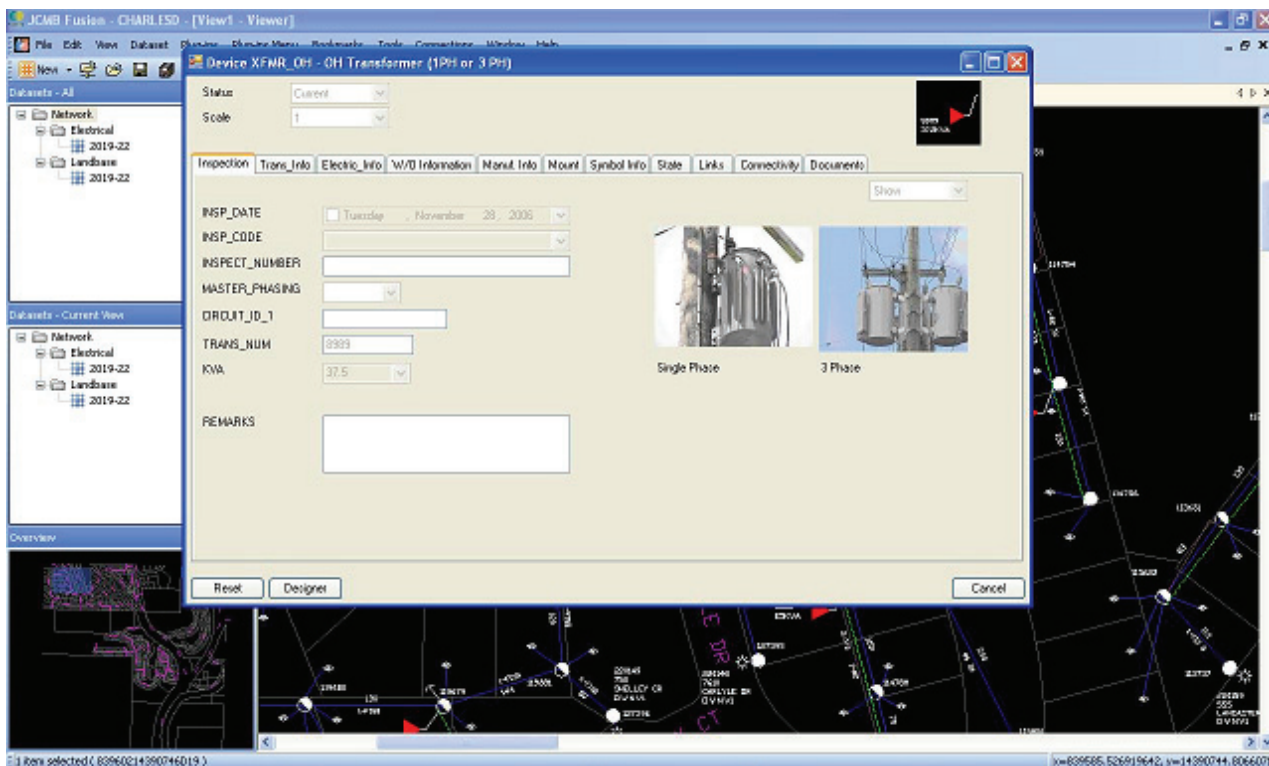


Figure 1: Illustrates a transformer attribute panel within FUSION that includes single-phase, and three-phase transformer photos (assists field technicians to properly identify equipment for asset inventory and field assessment projects).

Since FUSION is connectivity-driven, the entire network is properly connected, from the transmission facilities, through the substation, and out to every customer meter or open point.

So how does FUSION accelerate application deployment? It delivers the right tools for the job so there's less room for errors:

- Connectivity is set at 100% - manhole internals, PMH cabinets, no exceptions
- Attribution is validated with configurable type format control and mandatory fields
- Complex equipment is modeled to match actual field configurations
- User profiling manages application privileges for Data access control, security, traceability and performance reporting
- Open, scalable, non-proprietary environment - .net and Oracle
- Cross-platform compatible with all GIS source Data
- FUSION Live manages Smart Meter and SCADA Data streams for graphical viewing of live information

(clockwise) Figure 2: Shows an underground mapping session in progress - in this example, the FUSION Data Model is configured to support the complete underground network including manhole internals and complex devices.

Figure 3: The lineman photographed is managing his work schedule using FUSION JOBS.

Figure 4: Illustrates FUSION MarkUp and Mobile AM/FM data management directly from the field. Technicians can validate attribution, connectivity and edit landbase features at the work site. This JCMB field technician is equipped with Bluetooth-enabled, submeter GPS technology.

