

Scope. Size. Speed. Savings.

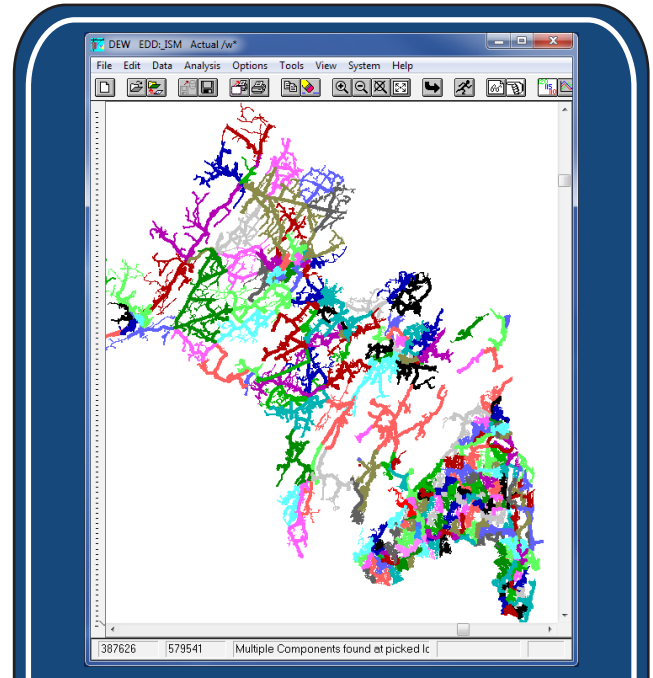
At Electrical Distribution Design, Inc. (EDD), we specialize in smart-grid solutions that improve operational performance, plan for future requirements and implement next generation designs. The Integrated System Model (ISM) is a paradigm shift for the utility industry where the same model will support all engineering, operating and control functions. At EDD, Smart Grid equals Smart Model.

The **scope** of the ISM model can include Transmission, Substation, Distribution, customer loads and system measurements; with the ability to solve the model in real-time. EDD's Circuit Server technology provides the easiest model management in the industry, providing solutions for engineers, operators, field crews, account managers, storm personnel and asset managers.

With an ISM, **size** doesn't matter. Clients can merge any number of systems, run any number of applications, and analyze any number of models for comparison. Models are easily displayed and manipulated over land-based models, such as Google Earth, Bing Maps and GIS.

The math behind the model allows solutions to be attained at unrivaled **speed**. EDD's ISM uses iterator-based algorithms which naturally support distributed computations. This allows clients to solve more complex problems (involving millions of nodes) many times faster than matrix based approaches.

Most importantly, an Integrated System Model will lead to significant **savings**. Since any of



OVERVIEW

EDD's Integrated System Model allows clients to build large, complex models with advanced features unavailable in any other product. With more than 15 years of experience, EDD partners with companies at the forefront of the electric and power industries to improve operational performance, plan for future requirements and implement next generation designs. Contact us today to get help designing your smart grid solution.

your data or algorithms can be attached to the ISM and used in conjunction with all other data and algorithms, a truly collaborative environment is created. This eliminates throw away studies, fragmented solutions, and redundant data and interfaces. The ISM will allow for a common model for design, planning, operation and control, which is an identified key smart grid challenge. More time spent analyzing alternative solutions to problems rather than gathering data and creating "from scratch" solutions will save you effort, time, and money.