



CORE™ Data Manager Tools

Automated Reporting and Modeling of Simulation Software

In order to address the growing complexity of modern protective devices, Quanta Technology has developed the CORE™ suite of software tools. The CORE™ suite of tools addresses the new challenges related to Compliance, Operations, Reliability, and Engineering that utility companies face due to the evolving nature of power grids and associated regulatory requirements. With the growing number of NERC PRC and CIP standards, utilities are tasked with extracting large amount of specialized data from many different sources. In response to this growing need, Quanta Technology has developed the CORE™ Data Manager tools in collaboration with utility partners. These tools address many data-related problems, including: digitizing protective device settings, interpreting power systems data, automatic modeling of devices (e.g. relays, reclosers) in short-circuit calculation tools, and comprehensive compliance reporting with a mouse click.

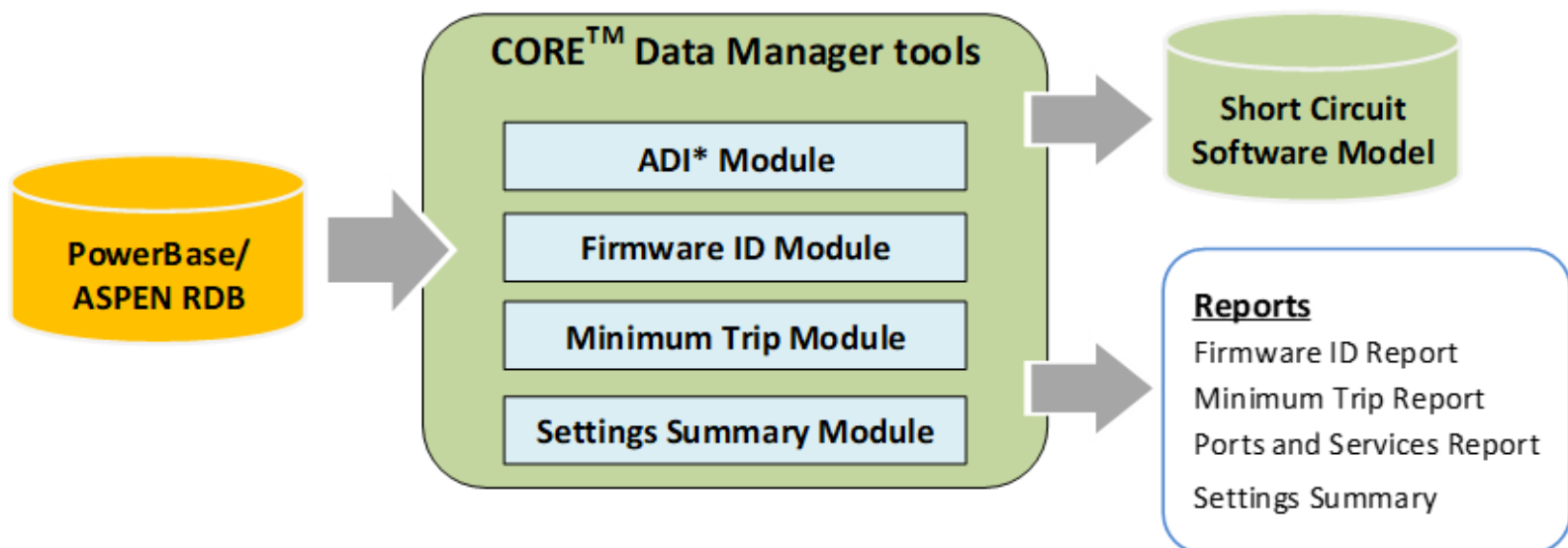
Why Quanta Technology

The CORE™ Data Manager tool is built on years of experience by Quanta Technology's power system and automation experts. The CORE™ Data Manager is used by multiple utilities in North America and has demonstrated dramatic improvements in efficiency across multiple projects.

CORE™ Data Manager tools Service Offerings

Maintaining an up-to-date short-circuit model is essential to obtain accurate study results for relay engineers. Manually building and maintaining a model is both time- and labor-intensive. As settings for new and existing devices are continually being issued, a tremendous amount of time may be past before those changes are properly reflected in the short-circuit software.

The CORE™ Data Manager tools can also automatically create customized relay settings summary reports for large quantities of relay data, saving considerable time and engineering cost. Other service offerings for the CORE™ Data Manager include: Integrated Capacity Assessment Protection Report, Firmware ID Report, Minimum Trip Report, PRC-023 Compliance Evaluation, and CIP-010 Compliance Evaluation.





Automated Data Import (ADI) Module

The ADI is one of the CORE™ Data Manager modules that automatically extracts protection data from settings repositories, interprets protection settings and functions, and implement protection model into a short-circuit software tool. Utility’s protection philosophy is integrated into the ADI to enable selection of protection schemes and the correct relay settings to be imported to the short-circuit model. The ADI can even implement complex communication-based protection schemes in several power systems protection software tools.

Relay mapping intelligence understands settings from many relay manufacturers: SEL (.RDB, .MDB), GE (.URS), ABB (.TPU), Siemens (XML), and many more.

- **Direct Interface with Protection Data Sources**
 - ENOSERV PowerBase
 - ASPEN Relay Database
 - Shared drives and folder structures
- **Automated Protection Model Data Import**
 - ASPEN OneLiner
 - Siemens PSS®CAPE
 - Eaton CYME
 - DNV-GL Synergi Electric
- **Automated Modeling of Protection Schemes**
 - Overcurrent
 - Distance
 - Teleprotection
 - Differential

These and many more modules available in CORE™ Data Manager Tools



SERVICE
 Quanta Technology has the staff and expertise to conduct studies for utilities

LICENSE TOOLS
 If a partner utility wants to perform studies independently, Quanta Technology will license tools

About Quanta Technology

Quanta Technology is an independent technology, consulting, and testing company providing business and technical expertise, along with advanced methodologies and processes, to utilities and others in the power and energy industries. Our mission is to provide unparalleled value to our clients in every engagement across the value chain by using advanced software and hardware, laboratories, and custom tools for a holistic approach to practical service and the most insightful thought leadership in the industry.

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Smart Solutions Practical Results

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