



# PragmaSWITCH

## Dynamic Operations Management for Distribution Networks

CGI offers a complete range of information technology and business process services and is committed to provide its clients with solutions that meet their needs.

Our Utility Solutions team focuses on providing industry-leading solutions and services that span the horizontal workflow between clients, control rooms and crews, benefiting a global client base rooted in the electric, gas and water utility markets. CGI enables the real-time management of mission-critical processes by offering a feature-rich and field-proven solutions portfolio.

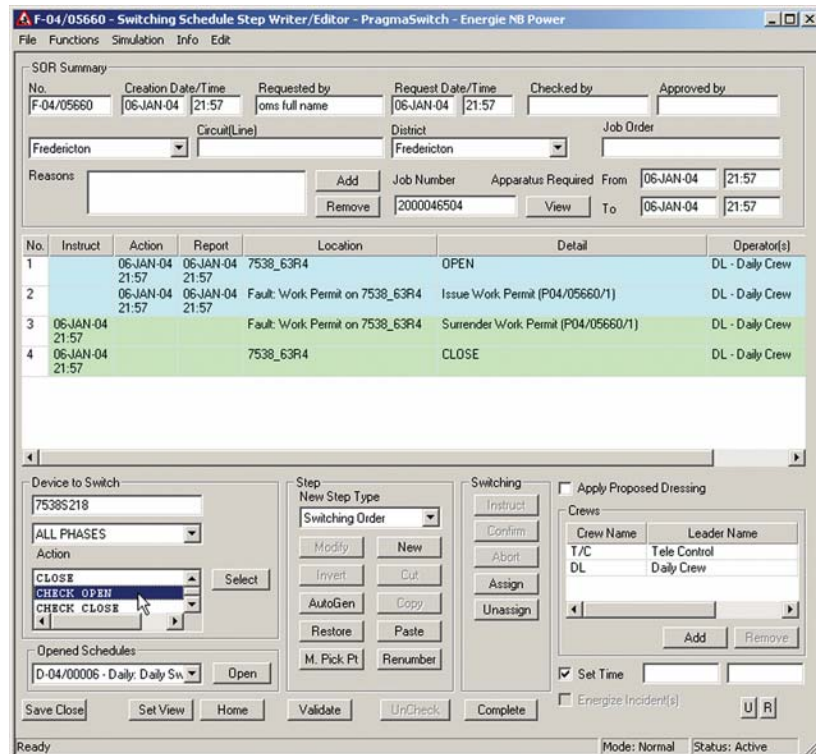
### ONE DISASTER DOESN'T ALWAYS HAVE TO LEAD TO ANOTHER. COULD YOU HAVE FORSEEN THIS?

#### PragmaSWITCH

PragmaSWITCH is the flexible and robust switching and workflow consolidation module in CGI's Outage and Network Management Solution suite. Designed originally for analyzing and managing utility connectivity networks at all levels, PragmaSWITCH has both the extensibility and flexibility for adaptation to any network-centric service provider. PragmaSWITCH provides user-friendly tools for the management, preparation, simulation and validation of complex switch plans.

#### How PragmaSWITCH Works

PragmaSWITCH creates, retrieves, edits and archives switch plans. It performs switch operations on a given as-built network configuration imported from a service provider's GIS import facility, or the actual real-time network configuration. PragmaSWITCH ensures that switch plans are consistent and valid. A complex algorithm accounts for different capacity service classes, conductor types, feeder tie points, restrictions and voltages.



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## How PragmaSWITCH Works For Your Business

PragmaSWITCH provides:

- **Automated and Manual Generation of Switch Plans**  
Results -oriented generation of switching plans. A wide variety of switch plan templates including, construction, contingency, emergency, maintenance and special. Creation of diagnostic and predictive switch plans for event replay and post-event analysis, without compromising as -built statuses and existing network statuses. Detailed search functions for easy information retrieval.
- **Comprehensive Step-Editing Feature**  
Step-editing facility with user-friendly add, delete, copy, cut and paste functions. Approvals, customer notification and safety documentation integrated with permits and tags where necessary or relevant at every step of the switch plan cycle. Integration of steps from existing switch plans. Analysis of numbers of customers affected by the interruption of service provision.
- **Automated Generation of Restoration Steps**  
Automated generation of restoration steps based on the initial analysis of switching operations. Processing of additional dynamic information related to network restrictions (such as outages and tags) for greater accuracy in power restoration strategies.
- **Scheduled Interruption Customer Notification**  
Proactive interruption carding and affected customer notification. User-friendly interfaces for mail system for generation of automated customer notification lists. PragmaSWITCH delivers a creative and dynamic switch-management tool that reduces operational overheads by efficiently managing all aspects of the distribution network. PragmaSWITCH enhances technological economies of scale that minimize CMLs, overtime, resource and staff costs while prioritizing high performance and safety levels. These savings are translated into increased customer satisfaction, and improve the overall return on investment for both the customer and the service provider.



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