



OpenNIS - Emerging Technologies for Future Smart Grids

Utility managers face complex technical, capital, and workforce challenges in planning, designing and maintaining T&D and generation assets. Power system managers must address aging infrastructure and plan upgrades and capital investments with a constant eye on complying with new stringent reliability standards. And with a growing array of diverse distributed and renewable generation, they also are increasingly addressing emerging interconnection and monitoring issues.

The *OpenNIS* suite of solutions, from Cascade/Reli-e-Marg, consists of standards-based solutions that enable utilities to improve the operation of the electrical network by leveraging their grid investments. The suite offers system analysis, design, and planning applications that help clients plan for and design interconnection strategies for new and emerging renewable and distributed generation technologies and energy storage systems. The utility infrastructure will become adaptive and self-configuring, focusing less on technology silos and manual processes that take much time and resources. The suite focusses on how the existing infrastructure can be speedily adapted to satisfy the service and application objectives of an utility.

Our network studies, design and optimization services help utilities understand and leverage reliable information on current network capabilities, investment decisions, integrating new and existing components, and future system challenges.

OpenNIS offers a set of GIS/GPS-enabled IT tools for administering the following operational areas of the utilities' networks:

- ✓ DGPS-based Consumer Indexing
- ✓ GIS-based Grid Asset management, Operations & Maintenance
- ✓ Fault and outages management
- ✓ Work force / Workorder management
- ✓ Planning and construction
- ✓ Grid analysis and calculations
- ✓ Operational support systems
- ✓ PDA based field support systems.

OpenNIS - the "Technical ERP"

Complete control of what really matters for your business...



All in one single user-friendly solution

Better information = Better decisions = Better results !