

OpenNISTM

Contributing towards a Quicker Return on Investment



IT Solutions for the Utilities

The data contained herein is solely for information and is not to be construed as a warranty or other contractual obligation.

Reli-e-Marg is a young innovative and integrated information technology company with skills ranging from core software development to web application system solution design and implementation.

Reli-e-Marg, founded in 1999, has grown phenomenally in building and delivering leading object-oriented, distributed, n-tiered, scalable, web-enabled technologies for diverse industrial verticals like Fleet Management/Logistics, e-Health, Grid management for Utilities like Water, Gas, Electricity and eCommerce.

These applications have real-time messaging capabilities and use state-of-the-art GIS/GPS and GPRS technologies.

Cascade is an innovative software company specializing in the development of easy-to-use advanced IT solutions for engineers based on graphical interfaces.

Cascade was founded in 1993 in Norway by a group of engineers with experience in developing pioneering IT solutions for the European Offshore industry.

Cascade is committed to develop, market and support facility management systems, which are geared to the precise needs of the Utilities industry.

Reli-e-Marg is Cascade's R&D and Marketing partner for the Asia-Pacific region.



www.reliemarg.com



www.cascade.no



OpenNIS

Grid management



OpenNIS, a complete Grid Management System

The need for effective operations of utilities is increasing because of demands set by rapid industrial growth and national regulatory commissions. This implies that utilities are faced with enormous investment needs for upgrading their grid in order to cope with these requirements.

Utilities must continue to provide businesses and consumers with reliable supplies of power. They are expected to do so at the lowest possible cost, safely, and without damaging the environment. All of these factors mean that utilities face a number of major challenges *simultaneously*. They need to be much more competitive, much more customer-driven.

Information technology has a key role to play in mastering these challenges. It is essential to establish an IT environment that supports all of the new business processes and information needs that are emerging in the changing utilities industry, including the following:

- Providing additional data and functionality in response to new requirements in an increasingly deregulated marketplace.
- Integrating business processes, monitoring and managing the entire service chain for higher productivity and lower costs.
- Developing and delivering innovative customer services.
- Making data from operational systems available for decision making, reporting, and analysis.
- Controlling and planning costs, revenues, and profitability at all levels
- Utilizing, managing, and maintaining assets with the greatest possible efficiency and at the lowest possible cost.

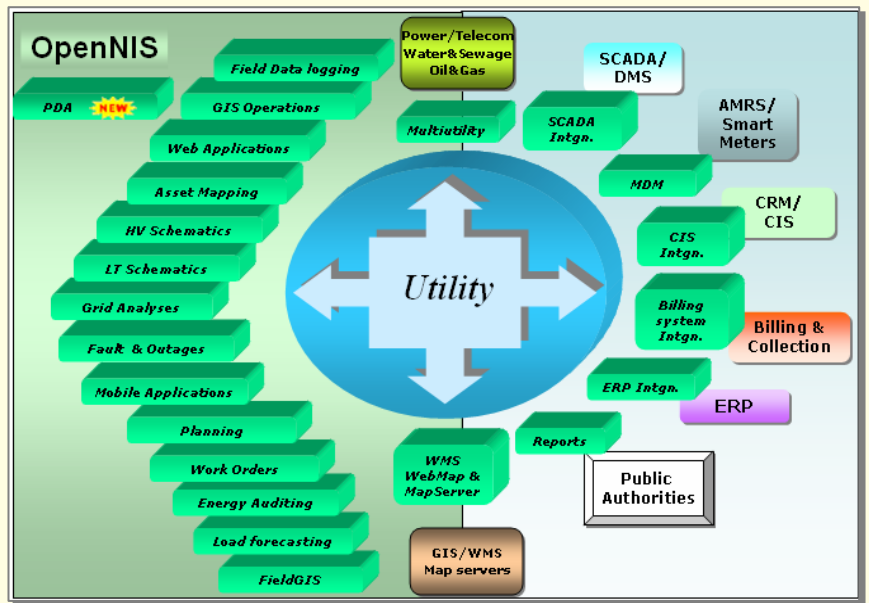
OpenNIS is an open, scalable and modular Grid Information System that integrates business processes for the entire service chain.

Our extensive product line provides you the freedom to choose the best possible solution for each particular installation.

OpenNIS makes data from operational system available for analysis, reporting and decision making helping the utilities to achieve better Customer care and Service.

With **OpenNIS**, Utility companies can improve efficiency, quality and lower their operational costs.

OpenNIS has been used by over 160 utilities to identify potential efficiency gains, reduce spending, improve operations and maintenance programs, extend asset life, increase network reliability, manage risks throughout the company and provide the rigorous expenditure justification required by regulators and investors.



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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.

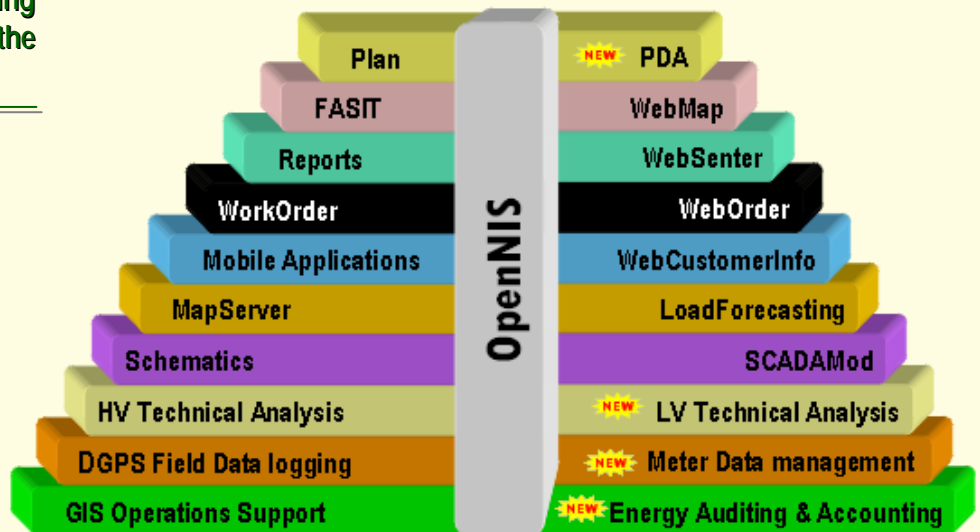
Our network studies, design and optimization services help utilities understand and leverage reliable information on current network capabilities, investment decisions, integrating new and existing components, and future system challenges.

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

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



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