DNV·GL
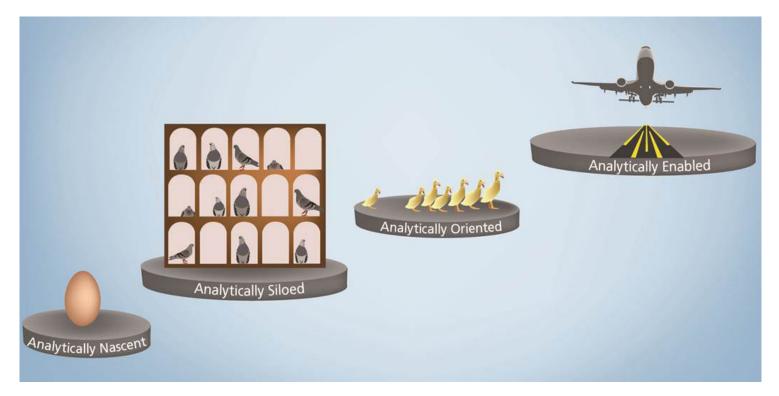

ENERGY DATA ANALYTICS

DNV GL helps utilities align business systems and processes to realize the full benefits of Advanced Metering Infrastructure (AMI) data. Our energy data analytics advisory service can reveal how to effectively integrate policy, customer service, and operations.

MAKING FULL USE OF BIG DATA

Big data is all the rage in today's market. The term alone implies rich opportunities. But every opportunity must be examined in context. A utility must assess the full cost and benefits of collecting, validating, storing, accessing, analyzing, managing, and using volumes of data. This assessment must reach across the entire organization and consider business processes, IT infrastructure, data security, and privacy concerns in addition to the desired information products for executives and business teams.

DNV GL examines the utility's business processes and IT infrastructure to assess how to fully utilize these rich new data streams. We work with you to formulate a clear vision for realizing the comprehensive benefits of AMI data and a roadmap for achieving the vision.

A TRUSTED ROADMAP YOU CAN FOLLOW

The first step we take in developing your roadmap is to assess each opportunity on its own merits. Then, we group opportunities into feasible sets with associated investments and return on investment. These sets are assembled into a comprehensive roadmap that stages opportunities along a short, mid- and long-term horizon for investment and implementation.

POTENTIAL BENEFITS

- Improved outage management
- Voltage optimization
- Lower operational costs
- Revenue protection
- Enhanced load research and forecasting
- Detailed customer segmentation for program design

PRACTICAL SOLUTIONS YOU CAN USE

Your utility IT system is unique. It may have developed incrementally or to serve specific business purposes. Data may be controlled by a central group of distributed across units. Access may be restricted due to infrastructure constraints and privacy concerns. Your roadmap will outline solutions that account for these unique characteristics: pragmatic solutions that deliver real results.

We group potential solution sets into two categories: grid analytics and customer analytics.

GRID ANALYTICS

- Transformer load management
- Augmented distribution management system in near real time
- Asset use for predictive line/asset maintenance
- Renewable and microgrid monitoring
- Enhanced outage

CUSTOMER ANALYTICS

- Revenue protection
- Revenue reporting
- Meter asset management
- Pre-pay tracking
- Load forecasting
- Load research & pricing
- Advanced energy efficiency/demand response monitoring
- Load dissagregation data overlays for segmentation and program targeting
- Customer behavior, auditing, engagement platforms
- Data visualization

> "Without big data analytics, companies are blind and deaf, wandering out onto the web like deer on a freeway."
>
> –Geoffrey Moore, Author

INFORMED BY INDUSTRY EXPERIENCE

DNV GL provides senior staff experienced in all the major utility business areas that can benefit from AMI data including:

- Customer service
- Customer billing
- Distribution operations and planning
- Rates and regulatory
- Load research and forecasting
- Energy efficiency and demand response program management

GET STARTED TODAY

You can leverage our industry experience and expertise in enterprise data analytics to boost your business performance. Contact us at energyadvisory.energy@dnvgl.com or +1 781 273 5700. Explore our full scope of energy advisory services at www.dnvgl.com/analytics.

DNV GL

Driven by its purpose of safeguarding life, property and the environment, DNV GL enables organizations to advance the safety and sustainability of their business. DNV GL provides classification and technical assurance along with software and independent expert advisory services to the maritime, oil & gas and energy industries. It also provides certification services to customers across a wide range of industries. DNV GL, whose origins go back to 1864, operates globally in more than 100 countries with its 17,000 professionals dedicated to helping their customers make the world safer, smarter and greener.

IN THE ENERGY INDUSTRY

DNV GL delivers world-renowned testing and advisory services to the energy value chain including renewables. Its expertise spans onshore and offshore wind power, solar, conventional generation, transmission and distribution, smart grids, and sustainable energy use, as well as energy markets and regulations. DNV GL's 3000 energy experts support clients around the globe in delivering a safe, reliable, efficient, and sustainable energy supply.