Business Analytics Solutions for Utilities
Customer Service and Billing, Meter Data Analytics, and More...
Utility organizations today are facing new business challenges, from smart-grid initiatives and green-energy mandates to regulatory compliance, coupled with the need to maintain tight control on infrastructure assets and high-levels of customer service. To adapt to the changing landscape and meet these challenges, it is imperative for organizations to analyze and interpret large volumes of data, quickly and efficiently, at very high levels of granularity. This requires a new approach. Envision™ is a new-generation, cloud-based business intelligence platform for rapid decision-making to meet the needs of today’s utilities industry.

**Single View of All Utility Data Stores**
Direct integrations with today’s popular data sources and analytic data engines.

**Customer Service and Billing**
Understanding the customer is key to any business; the ability to drill down into the customer service and billing data with no limitations on the number of dimensions in which to slice and dice the data is unique to Envision. For utilities customers, Envision allows drilling through data from an aggregated level to monthly revenues, by business units, by rate schedules, by accounts, down to such leaf-level items as the account owner and address.
“The elegance of Envision is in its ability to integrate seamlessly with third-party software tools on virtually any platform, providing customers a rapid, cost-effective solution for their business intelligence needs.”

- Jane Sydlowski, CEO, AMI Strategies, Inc.

Meter Data Aggregation and Analytics
Managing the increasing size of utility data stores alone is a difficult task; but to efficiently access and use this information to guide everyday business decisions is even more challenging. Envision’s ability to quickly process and multi-dimensionally analyze the largest data sets speeds response times, discovery and understanding for improved business performance and efficiency. For example, you can drill through the usage, misreads and skip-reads at an aggregated level for each of the services provided, by rate schedule, by meter route, to the actual meter reader.

Rate Schedule Analysis and Optimization
Envision simplifies bridging and analyzing information from disparate sources such as customer information, billing, and meter information. In aggregation, this information can be used to perform sophisticated rate schedule analysis. By tailoring Envision to your specific process and requirements, rate schedules can be analyzed for comparative what-if evaluations to assess bottom line impacts on rate schedule movement. This advanced analytics functionality takes your data beyond reporting to a new level that guides faster decision-making.
More About Envision

Envision is a cloud-based business intelligence (BI) platform for intuitive data visualization and decision-making. Envision leads an advanced generation of BI technology, serving as both an end-to-end data visualization solution and a complementary software stack extension to perform higher-level data analytics.

Envision empowers stakeholders across the enterprise to connect dynamically to multiple data stores and ad hoc data sets within a single unified environment. Complex business models can be easily created in Envision’s data engine to deliver unparalleled decision-making power.

Envision is developed and supported by solidThinking®, a wholly owned subsidiary of Altair®.

About solidThinking
solidThinking creates, develops, and markets technology that helps organizations make informed decisions and bring the most desirable products to market faster. solidThinking software is sold and supported by a global network of distribution partners and is also available as part of the Altair® HyperWorks® suite.

solidThinking.com

About Altair
Altair is focused on the development and broad application of simulation technology to synthesize and optimize designs, processes and decisions for improved business performance. Privately held, with more than 2,600 employees, Altair is headquartered in Troy, Michigan, USA and operates more than 45 offices throughout 24 countries. Today, Altair serves more than 5,000 corporate clients across broad industry segments.

altair.com

Envision Applications for Utilities

Seamless System Integration
CIS, MDM, OMS, IVR, GIS

Rate Schedule / Slab Analysis
Rapid visualization, delta comparative analysis

Meter Data Aggregation / Analytics
Total / Average / Skip / Mis-reads by Class and Route

Service Outage Analysis
Frequency / Root Cause Identification

Capacity Planning / Asset Management
Trends / Peak Loads / Forecasting

The Envision Difference

• Onboarding: In the cloud or on-premise, visualize your data in minutes
• Speed: Sub-second navigation with zero query timeouts
• Cost: Patented licensing model, low cost of ownership
• Simplicity: Low IT administration, no infrastructure upgrades
• Scalability: Connect and easily navigate massive datasets
• Flexibility: Complements existing infrastructure, no disruption
• Empowerment: Self-service user experience
• Technology: Go beyond reporting, optimize your decisions

Learn more at EnvisionBI.com