

Information Builders enables agile information solutions with the WebFOCUS business intelligence (BI) platform and integration technologies from iWay Software.



An Information Builders Partner

# GridInsight

## A Smart Grid Data Analytics Solution Using WebFOCUS and iWay Technologies

The smart grid offers an unparalleled opportunity to transform the energy industry and refine the way that electricity and natural gas are generated, delivered, and used. Realizing better energy efficiency from your grid is an easy goal. GridInsight leverages Information Builders' WebFOCUS business intelligence (BI) platform and iWay Software technologies to increase the value of smart grid data. It increases automation and improves operational BI to make the smart grid a transformative experience for your organization – unlocking the potential to optimize business processes and revolutionize operational efficiencies from advanced metering infrastructure and smart-metering data. GridInsight offers unprecedented insight into demand, usage, trends, and anomalies.

The system is a highly adaptable, open-architecture smart grid and advanced metering infrastructure solution designed to propel the transformation of the energy industry. It gives users actionable information, enabling them to gain new insight into their operations and maximize their investment in the smart grid.

### Data Access and Integration

How does your company handle its huge volume – and variety – of data, which may include everything from supply availability and system capacity information to real-time market price data? How does your company deal with data in multiple formats, multiple data definitions, and varying degrees of quality? How do you incorporate data from new applications – such as intelligent grid systems, smart metering, and sophisticated exploration applications – with data in your legacy systems?

Raw data, originating from diverse grid devices, efficiently converges into GridInsight where it is processed and converted into information that can facilitate timely tactical actions and strategic decisions. Compliance with CIM and Open Smart Grid standards enables smooth interoperability with other grid assets. Increase operational efficiency and reduce costs by integrating and delivering high-quality data to critical applications at the right time and in the right format. Reduce maintenance costs, increase flexibility, and minimize risk with a secure, scalable data integration platform.

GridInsight provides a completely flexible integration framework to access, integrate, cleanse, deliver, and transform data into actionable information. Users can integrate meter data with any operational application, including billing, customer service, and sales.

## Find Out More

To find out how our solutions can help your company succeed, talk to an Information Builders representative today. Contact your local Information Builders office, visit us at **informationbuilders.com**, or in the U.S. and Canada, call **(800) 969-4636**.

### Analytics and Business Intelligence

With GridInsight, utilities can keep track of grid information and use it to optimize grid performance. Utility executives can detect meaningful patterns to manage the operational environment. Today's utility executives demand analytics and BI solutions with high-impact dashboards that provide predictive capabilities as well as planning and forecasting information in an easy-to-use environment.

Using analysis to find anomalies on the grid allows utilities to look for patterns and anticipate possible issues. More accurate forecasting and predictive modeling for load forecasting, demand planning, supply optimization, and predictive maintenance create a better view of the organization as a whole.

GridInsight is designed to:

- Improve the customer experience with near-real-time detailed energy consumption information and combine interactive communication with self-service capabilities, providing consumers more control over their energy management
- Enhance service management with insight gained from corporate information to improve distribution and supply decisions
- Reduce costs by delivering projects across the energy value chain faster, accelerating adoption of utility standards and increasing the flexibility of any infrastructure
- Manage risk by ensuring the security of systems and information across the value chain
- Manage asset lifecycle to track, document, and make decisions about the procurement, deployment, operation, maintenance, and disposal of field assets
- Provide asset, device, and service monitoring to visualize infrastructure availability and performance by using device, event, and usage data for real-time control and analysis, speeding time to resolution
- Enhance informed decision-making by using data and information aggregated from business and operational systems to analyze events, develop insights, and correlate reactions, improving business flexibility and performance
- Automate business processes for shorter time to market, customer satisfaction, and higher productivity
- Manage regulatory risk and compliance to handle increased oversight, new regulations, and enforcement initiatives through improved workflow and document management
- Provide security solutions to manage and reduce risk across virtually all business domains

Using Information Builders' software to acquire, transform, and integrate information, GridInsight serves as a key backbone for end-to-end smart grid data management. It provides the insight needed to guide smart grid implementations, reduce deployment risks, and realize sustainable advantage.

As a partner to Information Builders, Marlabs brings its unique expertise in industry verticals such as energy and utilities. It provides specialized services and solutions to its clients, such as consulting and audit, implementation and support of enterprise applications, smart grid analytics, and end-to-end demand response.