



Smart Grid Brief

HOW TO BUILD A “SMARTER” GRID

ARE YOU READY TO POWER THE FUTURE?

- Can your IT infrastructure scale to meet increased and expanded data sets driven by Smart Grid initiatives?
- Are you able to extend existing IT investments to meet new Smart Grid requirements?
- Can you roll out new Smart Grid functions without disrupting operations?
- Do you have a holistic view of value chain operations, including generation, transmission and distribution?
- Are you able to use real-time analytics to predict and prevent problems before failures occur?

Make the smart choice. Build your Smart Grid on technology from Software AG.

Abundant, affordable, clean, efficient and reliable electric power—delivered anytime, anywhere. That’s the promise of Smart Grid, a modern electrical network that integrates a variety of systems in an open architecture for real-time information and control.

Your Smart Grid initiative demands a proven, predictable integration platform. That’s where Software AG comes in. We can help you deliver reliable Smart Grid functions—intelligently, efficiently and quickly—across generation, transmission, distribution, markets, operations and service provider domains. In fact, our platform can integrate virtually any application and service.

With Software AG, you can:

- Build a scalable, resilient, standards-based Smart Grid architecture
- Securely manage two-way communications across internal and external devices and systems
- Transform increased data streams into actionable intelligence
- Monitor system tolerances in real-time and send proactive alerts before failures occur
- Roll out Smart Grid functions and make changes without disrupting operations

Discover why more than 100 utility companies around the world rely on Software AG technology.



PLUG INTO OUR PROVEN PLATFORM

Software AG’s webMethods integration platform is at the heart of one of the largest smart meter installations in the U.S.

Using our technology, the project:

- Collects meter data every 15 minutes from 1.2 million smart meters
- Integrates that data with back-office systems, third parties and other internal/external entities
- Monitors system tolerances in real-time to proactively predict inaccurate data, thus minimizing manual investigations and inaccurate bills

See how we can make a powerful difference in your Smart Grid initiative. Sign up for a free ValuePath workshop. Register at www.softwareag.com/valuepath

REAL SOLUTIONS FOR YOUR SMART GRID CHALLENGES

YOUR CHALLENGES	SOFTWARE SOLUTION	HOW YOU BENEFIT
<p>Lack of scalable and resilient integration of new and existing devices</p> <p>Can't handle massive increase in Smart Grid-related data</p> <p>Critical need to meet strict cyber security requirements</p>	<p>Integrated two-way communications: Integrate key internal and external devices, such as meters, sensors, voltage controllers, mobile work units and systems using our standards-based, proven Enterprise Service Bus</p> <p>Flexible B2B platform: Electronically transmit data between domains and partners using webMethods Trading Networks</p>	<p>Transform increased data streams into actionable intelligence</p> <p>Minimize momentary disruptions with a resilient, self-aware integration platform</p> <p>Deploy new functions without impacting operations</p>
<p>Lack of visibility across generation, transmission, distribution, markets, operations and service provider domains</p>	<p>Visibility across the electricity value chain: Use Optimize for Process for visibility and predictability across all areas of operation</p>	<p>Achieve greater operational efficiency</p> <p>Monitor system degradation and proactively send alerts before failures occur</p>
<p>Can't monitor system tolerances in real-time</p> <p>Inability to proactively predict a system failure and predict downstream impact</p>	<p>Real-time performance monitoring: Gain real-time insight into the performance of webMethods Integration Server and Broker using webMethods Optimize for Infrastructure</p>	<p>Monitor system tolerances and Key Performance Indicators (KPIs) in real-time</p> <p>Send proactive alerts before failures occur</p> <p>Uncover trends and patterns to ensure quality of service</p>
<p>Difficulty proving regulatory compliance</p> <p>Inability to comply with governmental reporting regulations</p>	<p>Built-in reporting & business intelligence: webMethods Optimize for Process provides built-in reporting and analysis capabilities</p> <p>Automated risk analysis: Use our predictive rules engine to quickly implement new regulatory policies</p>	<p>Monitor regulatory requirements to ensure compliance and mitigate risks</p> <p>Meet regulatory reporting requirements more easily</p>
<p>Ability to govern new Smart Grid-related interfaces, business rules and metadata</p>	<p>IT governance: Use CentraSite to manage and enforce standard governance processes and conventions using design, run-time and change time policies</p>	<p>Govern end-to-end SOA lifecycle</p> <p>Actively manage services with detailed run-time metrics</p>

GET THERE FASTER WITH SOFTWARE AG

Large suite vendors lack depth of capabilities, seamless integration between suite components and the scalability required to support the massive increase in data required for Smart Grid functions.

Software AG is different. Our industry-leading software helps you accelerate scalable, reliable, resilient and secure delivery of Smart Grid functions in a way that doesn't disrupt your day-to-day business and with the flexibility to adapt to evolving standards and requirements.

We're a smart choice, consistently positioned as a leader in SOA, BPM and integration technologies by the analyst community. See the complete list of awards and industry recognition at www.softwareag.com/awards

Visit us at www.softwareag.com/us/solutions/energy_utility for more details on how we can help you build a smarter grid.

ABOUT SOFTWARE AG

Software AG is the global leader in Business Process Excellence. Our 40 years of innovation include the invention of the first high-performance transactional database, **Adabas**; the first business process analysis platform, **ARIS**; and the first B2B server and SOA-based integration platform, **webMethods**. We are unique in offering the world's only end-to-end — and easiest to use — business process management (BPM) solutions, with the lowest Total-Cost-of-Ownership.

Our industry-leading brands, **ARIS**, **webMethods**, **Adabas**, **Natural** and **IDS Scheer Consulting**, represent a unique portfolio for; process strategy, design, integration and control, SOA-based integration and data management, process-driven SAP implementation, and strategic process consulting and services. Our comprehensive software and services solutions allow companies to continuously achieve their business results faster.

Software AG – Get There Faster

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