Atos
Worldgrid

Atos Worldgrid helps energy and utility companies in every sector turn real-time data into insights for tangible business and operational advantage.

Power generation

Atos Worldgrid combines IT integration excellence and business expertise with nuclear safety culture. Grow intelligent power generation, renewable distributed energies and storage with Atos Worldgrid services:

- Instrumentation and control (I&C) systems for nuclear power plant supervision or control
- Long-term support and maintenance of nuclear I&C systems
- Training and engineering simulators
- Predictive maintenance, supervision and diagnostics of big equipment such as primary pumps, alternators and turbines
- Enterprise asset management (EAM) for maintenance and refueling outages

Oil, gas and water

We monitor, control and optimize oil, gas and water systems.

Radically drive costs down with services by Worldgrid:

- Oilfield analysis and process optimization involving SCADA, field simulation and drilling
- Smart production monitoring through EAM, real-time dashboards and automation
- Predictive maintenance and safety with the help of IoT analytics, connectivity and drones

Reshape processes for efficiency with:

- Shipping, fleet and pipeline optimization through real-time forecasting, planning and scheduling
- Plant, terminal and refinery management
- Real-time trading and market dispatching

Align around customer experience initiatives such as:

- Improving the new customer experience
- Integrated e-station management
- Fleet, tank and stock management

Invent the energies of the future with Worldgrid by your side:

- Accelerating R&D management
- Advancing engineering, critical systems design and testing
- Driving real-time, prescriptive operations

Smart utilities

Dedicated teams at Atos Worldgrid focus on a number of specialized energy and utility processes and solutions. These range from smart metering and smart grid through to trading, CRM and billing. Using the Atos Worldgrid Smart Utilities model as a foundation, our consulting teams are ready to help you envision and implement new data-driven futures.

Atos Worldgrid

Worldgrid is an Atos business unit delivering real-time integration between IT and OT with sophisticated vertical solutions for energy and utility companies. We work across the power, water, oil and gas value chains, from production and distribution to transportation and retail services. With more than 35 years of utilities experience, over 3,000 industry specialists and an innovation-focused R&D culture, we help energy and utility companies drive digital change to realize business value across their organizations.

Trusted partner for your **Digital Journey**

Atos

Smart metering — The smart meter is the physical enabler for every smart utility company. Our smart metering solutions provide highly automated meter management and control.

Atos Smart Grid Suite — Smart Grid Suite is the smart grid nerve center. It collects and processes all smart meter data, aggregating it with all commercial and operational systems.

Trading and risk management — Ensure that your scheduling and trading teams are supplied with consistent, timely and accurate data. We help traders access energy markets, manage their portfolios, support long-term contracts and spot deals.

Distribution management — Our Lynx Distribution Management System uses a management cockpit to provide clearly structured real-time views of electricity, gas and water networks.

E-vehicles — E-vehicle initiatives are bridging utilities, automotive companies and civic authorities; enabling them to manage events, service transactions and strengthen customer relationships.

Customer relationships and billing — Atos CRM and billing solutions for utilities are ready for the new world of increased choice and more dynamic customer relations. We support both pre-paid and post-paid billing.

Powered by Atos Codex

Atos Codex is the analytics engine for Worldgrid solutions. It unites data from multiple sources to perform comprehensive analytics, produce uniform metrics and drive predictive maintenance. Automating time-intensive manual processes, Codex greatly improves data accuracy and reduces operational costs.

Connected home — Our services leverage data from many sources to give energy players the capabilities to refine customer engagement and create new business models. Data can come from point of delivery, connected objects, social networks, marketing and CRM platforms, and any new services.

Revenue protection for smart utilities — Atos Codex helps electricity distribution companies minimize non-technical losses (NTL) such as electricity theft. Atos NTL detection experts fine-tune analytics to continuously optimize the cycle to evolve with developments in NTL.

Predictive maintenance — With support from a large pool of specialized data scientists, our real-time analytics platform uses predefined algorithms to conduct complex analysis of large volumes of data from multiple sources.

Real-time distributed analytics for water — Our real-time distributed analytics platform provides predictions that improve water management strategies by optimizing production forecasts while capturing knowledge.

Local smart grid enhancement — Using Codex, we collect data from grid equipment, sensors on renewable plants, and external weather data. And we combine it with local smart grid models in order to better predict production and consumption and provide valuable information for network balancing.

Why Atos?

Operating in more than 15 countries, with 3,000 specialists serving the world's foremost energy and utility companies, Atos Worldgrid is a unique player in smart energy. We have an ecosystem of strong partnerships with leading technology and engineering companies including ABB, Cisco, Dassault Systems, DellEMC, ESRI, General Electric, Microsoft, SAP and Siemens.

As a company of 100,000 business technologists worldwide, Atos brings you the benefits of digital transformation while ensuring that your existing investments in information technology are managed securely, efficiently and cost-effectively. The Atos approach is always driven by practical action. But the starting point has to be the big picture.

Learn more

Join us for an innovation session at the North American Business Technology and Innovation Center (BTIC). Together we will identify practical, affordable and risk-free initiatives through which you can put new ideas into action, develop productive partnerships, and explore the positive impact of new service analytics on your pursuit of operational excellence.

Learn more about BTICs at:

https://pages.atos.net/nao-btic/

For more information email:

info.na@atos.net