Unlocking the Full Value of Your Meter Data
When it comes to the many components of your smart grid solution, there are plenty of options from which to choose. But when it comes to a solution that includes the vital connections you need to achieve the highest possible value from your meter data – and the people and business processes enabled by it – there is only one choice that makes sense.

With smart meters and grid sensors, advanced metering infrastructure (AMI), meter data management (MDM) and pre-integrated applications for data-driven grid automation and decision-making, Elster helps you make the vital connections you need to achieve the highest possible value from your meter and grid infrastructure data.

Elster’s solutions capture the data you need, when you need it, and then transform that data into actionable insights that can improve system reliability, enhance operational efficiency and enrich customer service.
The Standout Differences

With 175 years of dedicated focus on utilities, no one has stronger utility connections than Elster. There are many unique benefits that have made Elster the number one choice for so many utilities, for so many years.

- Elster provides utilities with cross functional, end-to-end sensor and meter data-driven solutions.

- Elster’s solution set supports the full spectrum of multi-utility electric, gas and water measurement, analysis and management from a single head end network, resulting in lower costs and easier system maintenance.

- Elster integrates security into every layer, device and network of its AMI architecture to create the most secure AMI system on the market.

- Elster’s CallistoUX™ workflow engine is engineered to dramatically improve productivity across all your business functions.

- Elster offers the lowest cost of ownership through unique operational efficiencies and innovations that result in an attractive business case.

- Elster’s sustained industry commitment and financial stability deliver the peace of mind that comes with knowing your partner will be there for you over the long run.
The EnergyAxis® AMI System – Proven, Scalable and Low Cost of Ownership

From its management system software to its wide selection of distribution network and in-premise devices, Elster’s EnergyAxis AMI system offers the functionality, reliability and security needed by today’s utilities.

The back office system provides a comprehensive portfolio of unified two-way communications options supporting both Elster’s mesh LAN technology and public and private WAN technologies.

The breakthrough architecture of EnergyAxis offers utilities features and benefits often not found in alternative AMI systems.

- **Remote meter configuration and firmware upgrades.** This significantly reduces the time, cost and risk of deploying field service technicians to complete equipment upgrades and configuration changes.

- **3-D Interoperability.** Considering horizontal, vertical and in-depth interoperability among hardware, communications and applications, EnergyAxis enables seamless integration of systems and applications of diverse smart grid vendors so that your network runs smoothly, seamlessly and flawlessly.

- **Open standards.** EnergyAxis is engineered on open standards, interfacing with a range of third-party technologies and providing you with the widest possible choice of communication paths.

- **Distributed intelligence.** EnergyAxis pushes intelligent devices further out onto the network, embedding communications and intelligence into meters, gatekeepers, grid sensors and control elements. This not only improves decision-making and processing throughout your distribution system, but also facilitates a more reliable, accurate, scalable and responsive communications and control network.

- **Security.** EnergyAxis provides the industry’s most comprehensive built-in security to protect your network and keep your utility and customer data safe.

- **Scalability.** Elster’s unique network architecture provides unlimited scalability and is affordable for small and large utilities alike.

- **Automated network management.** Our RF mesh network and cellular network devices are self-configuring, self-managing and self-healing, thus automating key processes, saving time and minimizing system management costs.

- **Auditability.** EnergyAxis ensures direct traceability of the meter data – key to both Sarbanes-Oxley compliance and credibility with your customers.
Elster has installed more than 100 successful AMI systems
With CallistoUX, employees can quickly and intuitively access the steps required to execute and complete a task, the information needed and the underlying applications required via unique and shareable “cards” accessible via a revolving wheel on his or her digital dashboard.
Working hand-in-hand with Elster’s EnergyAxis AMI system is the game-changing CallistoUX user experience engine. Designed to help you more fully leverage your meter data, this innovative software dramatically simplifies many of the functions and operations that are critical to improved performance and worker productivity. Its chief benefit is that it empowers your utility – and your employees – to spend more time working and less time searching, training and correcting errors. CallistoUX can help you:

- Cope with a retiring work force and the associated transfer of knowledge to new staff members by automating the tasks associated with key workflow processes.
- Replace “swivel chair integration” with intuitive, streamlined approaches that are less time-consuming, frustrating and error-prone; no more searching and switching among AMI, OMS, GIS, WMS and other enterprise systems.
- Simplify the sharing of meter data with the key enterprise applications that need this data, making it faster and less expensive.
CallistoUX creates a unified workspace that spans multiple applications and data stores. There are two primary components: pre-integrated applications or “stackable answers” and a workflow management tool.

- **Stackable answers.** CallistoUX provides a single, web-based portal through which the applications you need to achieve the greatest possible value from your meter data can be quickly added and easily accessed – within a single workspace. Designed to take full advantage of your AMI data and network, preconfigured applications from the Elster partner community can be added to your solution portfolio when you need them – and with confidence that they will inter-operate smoothly. The result? Dramatic reductions in IT and systems integration costs, plus a more productive and empowered work force.

- **Ready-to-go, “how-to” workflow guides** enable dramatic improvement in both work productivity and workflow accuracy and reliability. CallistoUX has built-in workflow creation and management capabilities that streamline task completion and ensure high quality and consistency of work processes. Leveraging codified best practices, CallistoUX helps you standardize your work flows and guide personnel quickly through each step of each process. With CallistoUX, valuable knowledge can be captured before key employees retire. Training is less time-intensive and subjective. Tasks are completed efficiently, effectively and economically.

The CallistoUX workflow management tool gives users an unparalleled ability to accomplish important tasks without needing to know what underlying software or data are involved. The CallistoUX intelligence engine provides secure, controlled, role-based access to the data and applications intelligence needed by each user. The interface can be customized to think like your users do and work like they want to work, providing connections and context among your many applications that you’ve never had until now. Its highly intuitive dashboard includes point-and-click access to all the applications each user needs, operating much like a rolling card file.
Robust Solutions for Meter Data Management with EIServer

Elster’s EIServer is a full-featured meter data management (MDM) solution delivering the intelligence and tools you need to make more informed energy management and pricing decisions, while also enhancing your billing and analysis operational processes and delivering advanced energy efficiency services to your customers.

Efficiency, scalability, flexibility, traceability and performance are all engineered directly into EIServer, which has a straightforward and transparent architecture that excels in its flexibility and manageability. As a result, utilities can easily adapt, extend or modify the system to meet evolving needs and achieve the best possible benefits from analysis of meter data.

Built-in Intelligence for the Smartest Meters and Sensors

Elster offers the industry’s widest variety of residential and C&I meters and modules for electricity, water and gas services. In fact, Elster has one of the most extensive installed revenue measurement bases in the world, with more than 200 million metering devices deployed over the course of the last 10 years alone.

No one delivers meters that deliver greater accuracy, reliability, ease of installation and configuration, and longer life spans. In fact, one of the best reasons for choosing Elster as your meter provider is that our technology is built with evolution – not replacement – in mind. Elster’s earliest EnergyAxis smart meters are still operating in the field today, even though network protocols and head end software have been upgraded numerous times throughout the intervening years.
Elster Solutions – a 360 Degree Approach to Meet all Your Metering, AMI and MDM Challenges

At Elster, we know your business is about more than delivering reliable utility services. It’s about forging connections with your customers. It’s about connecting your smart grid data with the people and processes that need it. And it’s about linking today’s business and technology needs with those of tomorrow.

Elster provides the vital connections you need to achieve these objectives. With end-to-end solutions from smart meters to network communications and analytics, Elster is helping utilities everywhere unlock the value of their meter data.

And with a full range of planning, deployment, integration, training and support services designed to get you up-and-running smoothly – and help make sure you stay that way – Elster employs a 360 degree approach to meeting the unique wants, needs and challenges of every utility we serve.
How can we help you?