



Energyworx Meter Data Insight Platform

Unleash your energy data

Today's utilities are faced with challenges. Energy transition is changing utilities' view of the traditional business model. Consumers demand flexibility as the need decreases for utilities to be the sole provider of their energy needs. In addition, the Smart Meter and Smart Grid revolution is fueling a data explosion in the industry. Successful companies will be those that can collect data efficiently and turn it rapidly into the information they need to support the incisive business decisions that will drive their competitive edge and profitability.

Solve big-data challenges with a powerful and innovative cloud solution

The energy transition is a game changer for the utility. Customers are investing in solar panels and other decentral production, thus become their own producer. They only need the utility for balancing the production and consumption. Customers can also setup local energy communities for joint investments in sustainable solutions, such as windmills. This forces the utility to embrace hybrid supply chains and the need for the customer, community and utility to work together as partners.

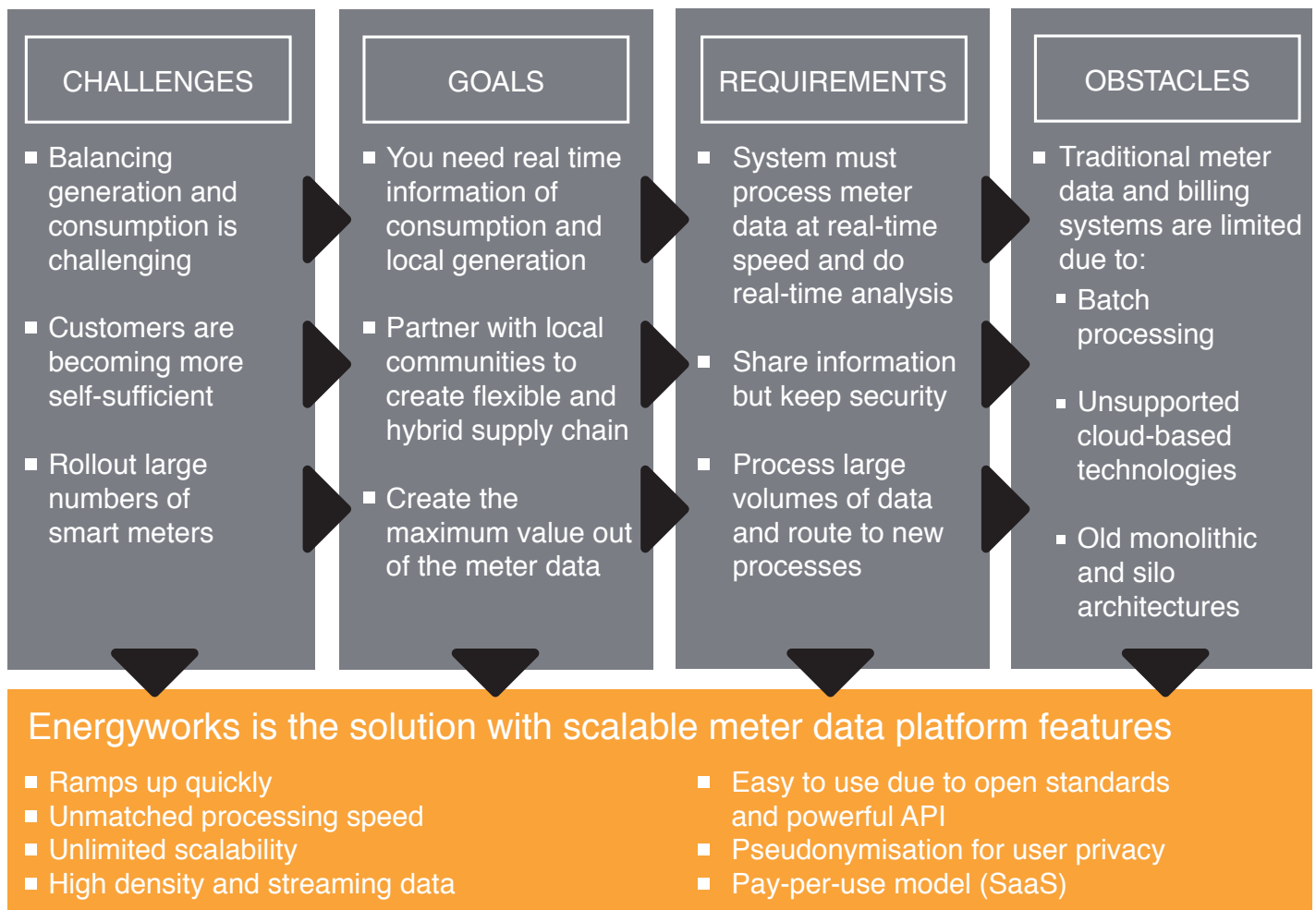
Likewise, housing associations want to improve the energy efficiency of their homes. Solutions are becoming increasingly data dependent and data intensive. Grid operators, for example, need to collect and process hundreds of terabytes of meter data per year. Conventional systems are rapidly becoming obsolete and no longer meet market demands. They lack scalability and speed and require expensive hardware. At the same time, pricing models are often based upon license fees, demanding significant upfront investment.

Unleash Your Energy Data

Ciber and Energyworx unleash new solution

The challenges that the utility are faced with demand a new solution. The traditional systems can no longer meet all the diverse requirements. Utilities need to explore new solutions in order to stay ahead of the competition.

Ciber, in partnership with Energyworx can deliver game-changing solutions with Energyworx's cloud platform. With 20 years' experience in the sector combined with our big data know-how we help energy and utility customers innovate and develop market-leading business models.



Agile Energyworx platform

With the Energyworx advanced Meter Data Management platform (MDM) you can gather, crunch and use huge volumes of meter readings. With a pay-per-use pricing model, the Energyworx platform offers an agile solution that enables gains with high impact quickly, but with very low risk.

Gather

Data is collected from any source and uploaded into the Energyworx cloud platform, where it is validated, corrected and processed. Missing data is estimated. Websites and energy apps can access all raw and calculated data with sub-second latencies.

Any organization within the energy and utility industry can use the Energyworx engine to generate and retrieve smart insights into their data. Operating on open source technology using open standards, Energyworx also provides adapters to support the specific-utility standards in many countries.

- Open API
- Data collection
- Data validation
- Data estimation
- Data correction

Crunch

The Energyworx advanced Meter Data Management platform (MDM) can collect and crunch these huge volumes of meter readings in real-time. When it comes to crunching data, Energyworx sets industry standards with proven new cloud-based technology that crunches unlimited amounts of data at unmatched speed.

By crossing various temporal data sources, Energyworx aggregates and consolidates revolutionary new insights and displays them in real-time. Being able to calculate hundreds of billions of context enriched data points in minutes means that the advanced live algorithms are extremely powerful. All data is tagged and grouped, helping you gain detailed insight in behavior and enabling you to detect trends, cycles and exceptions.

- Live aggregations
- Live calculations
- Prediction and analysis
- Trends and exceptions
- Tagging and grouping

Use

The Energyworx data platform enables organizations across all areas of the energy and utility industry to make confident business decisions through real-time insights. This opens up new business opportunities Third parties can connect to the Energyworx engine through a secure and open API. Use the retrieved data for many different purposes including:

- Live monitoring of information
- Notifications
- Fast visualization of energy data
- Comparing and benchmarking
- Device control (home automation)
- Social sharing of behavior



Use case:
Social energy to engage
your B2C customers

B2C customers have become more aware of their energy usage. They want to become more sustainable, install solar panels, participate in wind cooperations and insulate their homes. Naturally, they demand more insight into usage and results of their investments, combined with the appeal to share information with their social media friends. To enable this, the utility needs a platform that is:

- Open
- Social-media enabled
- Supports any meter/device
- Handles redelivery (Solar panels, wind participation)



Use case:
Energy insight for B2B
customers to control cost

B2B customers are faced with increasing competition and need to keep reducing cost. Energy is one of the bigger cost drivers for the industry, and the industry is demanding new ways to optimize their energy bill. The utility companies are looking for new ways to facilitate this through new pricing models, dependent on the availability of sustainable energy (sun and wind). The Energyworx platform supports this with:

- Real time insight
- Real time pricing calculations
- Flexible storing, tagging and using of time series
- Power of the cloud

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Use case:
Meter data available for all parties in the value chain

Housing associates want to improve the energy efficiency of their property. They want to help tenants by investing in energy efficiency measures (solar panels, insulation, etc.) and thus become a new partner in the value chain in-between utility and end-customer. Energy companies should facilitate these changing market conditions with a more open and hybrid business model, compared to the classical “customer-2-cash” value chain. The features of Energyworx facilitate this:

- Big data analytics
- Geotagging and Geo spatial reporting
- Open API's with secure pseudonymization

NO LIMITS



Use case:
Meter data management without limitation

With Energyworx you get a state-of-the-art solution that embodies the power of the cloud with any type of time series data of any meter or sensor. The scalability is enormous. It supports hybrid business models:

- Power of the cloud
- Any sensor, any time series
- Linear scalability

Ciber and Energyworx partnership

Ciber is Energyworx's global IT services partner that helps energy and utility clients leverage the power of the Energyworx platform and transform it into an end-to-end business solution. Energyworx is Ciber's solution for big data engagements in the energy and utilities industry.

About Ciber

Ciber is a global IT consulting company with some 6,500 employees in North America, Europe and Asia/Pacific, and is approaching \$1 billion in annual business. Ciber partners with organizations to develop technology strategies and solutions that deliver tangible business value. Founded in 1974, the company trades on the New York Stock Exchange (NYSE: CBR). For more information, visit www.ciber.com.