

Orga Systems.

#1 choice for real-time charging and billing



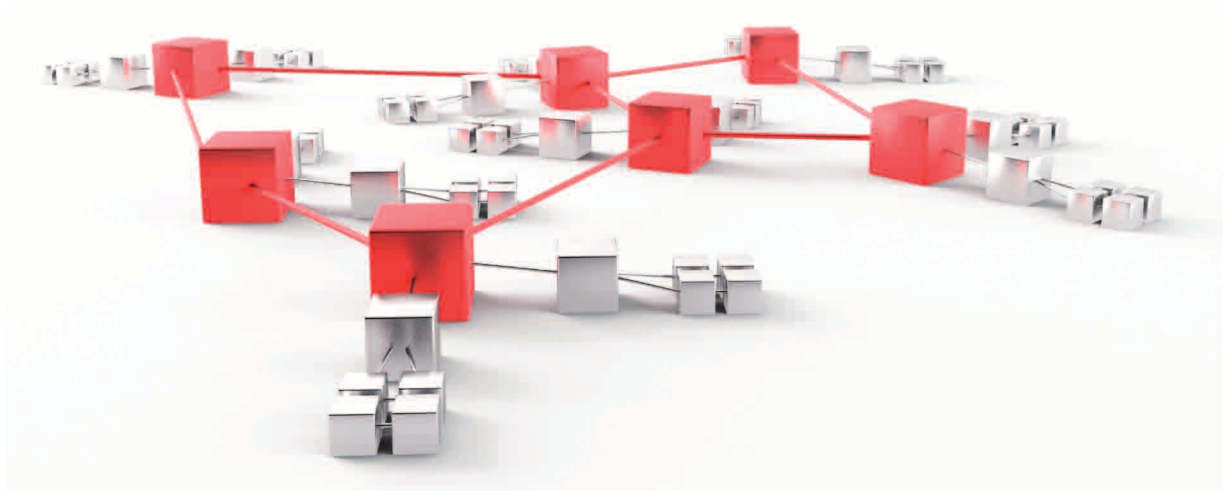
OS. ENERGY

Dynamic Energy Billing Solution

Energy Billing

Dynamic and Real-time

OS.Energy delivers real-time data processing, dynamic tariff management and close customer interaction capability for smart grid infrastructures. Utility companies benefit from reduction in peak loads, new options in managing high generation costs while increasing customer experience. Real-time consumption control and transparency help offering customers the right choices. Fulfilling highest performance requirements OS.Energy is a key enabler for profitable Smart Grid business cases.



Challenge

The electricity industry is changing rapidly – increasing demand, more decentralized and volatile generation and strong regulatory requirements force utility companies to find new and intelligent ways of managing their energy supply and monetize their assets.

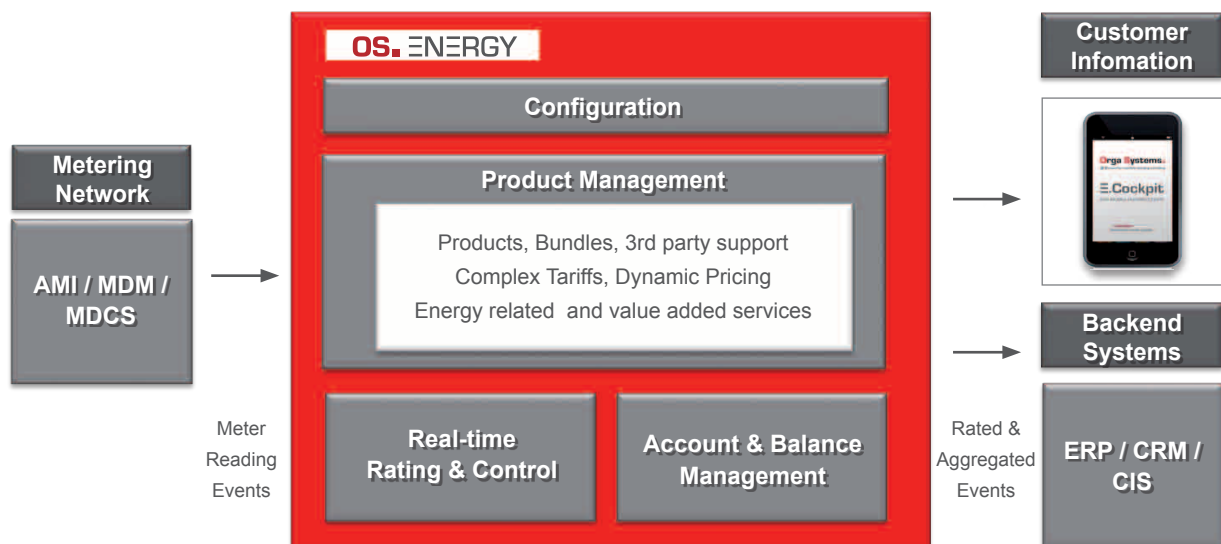
Transforming the traditional infrastructure into a Smart Grid requires huge investments. That's

why finding the right business cases is key to utility companies. Smart metering and real-time billing as well as new customer interaction capabilities are essential. Offering new services such as prepaid, cost control and budgeting to their customers and bringing real-time customer experience into play are opportunities to unlock new streams of revenue for utilities.

Solution

Orga Systems' Dynamic Energy Billing Solution brings real-time rating capability and multi-dimensional tariff dynamics to a utility's smart metering and CIS infrastructure. Designed for high-end requirements of verticals like telecommunication – OS.Energy offers utility companies an unparalleled tariff flexibility that goes beyond prepaid, ToU, CPP and DR schemes. The rule-based rating

engine easily copes with managing dynamic tariffs in real-time and reduces database complexity significantly. This enables the system performance to scale linearly from ten thousands of customers up to more than 150 million. With smart metering and AMI allowing reading intervals to be reduced to days, hours and even minutes, scalable rating performance becomes key.



Feature highlights

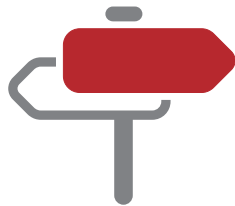
- Dynamic energy billing - meter vendor agnostic
- Fast and flexible tariff configuration
- Prepaid, postpaid and hybrid billing schemes
- Innovative price plans, promotions and rewards
- Real-time cost control and usage information
- Superior rating performance and system scalability

Dynamic Tariffs

Future Proof and Profitable

Bringing Tariff Flexibility to Utilities

**Prepaid /
postpaid / hybrid**



OS.Energy supports any type of account and payment style. Through its single customer database and unified rating engine tariffs can be freely selected, easily switched and combined for new offers.

Time of use



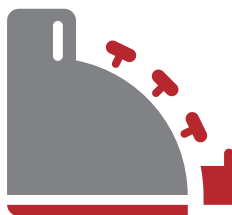
Multiple time bands, weekly profiles or seasonal rates allow for an individual tariff design. Load conditions can be considered accurately and tariffs may even consider external events.

Peak / off peak



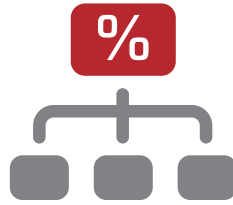
Peak time pricing with OS.Energy can be based on fixed peak time tariffs, peak time rebates schemes and even dynamic peak scenarios. This allows utility companies to reduce the cost of having peak production capacity always available and on standby.

**Real-time pricing
and discounts**



Real-time pricing and discounts enable utility companies to leverage decentralized energy generation most efficiently. Adapting tariffs and pricing in real-time according to availability and demand enables return on smart grid investments.

OS.Energy's fully fledged promotional, bundling and campaign capabilities enables dedicated incentives to customers as well as cross products and multiple partner campaigns.



Bundles / packages

Tiered tariffs including one or several thresholds can be used to stimulate the customer's energy awareness. In prepaid scenarios, real-time consumption monitoring may initiate remote disconnect and reconnect when thresholds are passed.



Volume / threshold

Decentralized energy production is established in many countries is growing fast. OS.Energy can apply tariff conditions independently for energy consumption and production, and calculate net surplus in energy produced.



Feed-in credit

Benefits

- Reduced Smart Meter and Smart Grid investments
- Flexible integration into existing ERP & CIS systems
- Low TCO through adjunct rating, charging and billing deployment
- Future-proof system scalability and performance
- Pre-integrated with leading MDCS and MDM suppliers
- New revenue streams from additional VAS offerings

Centralized Intelligence

Fast and Efficient

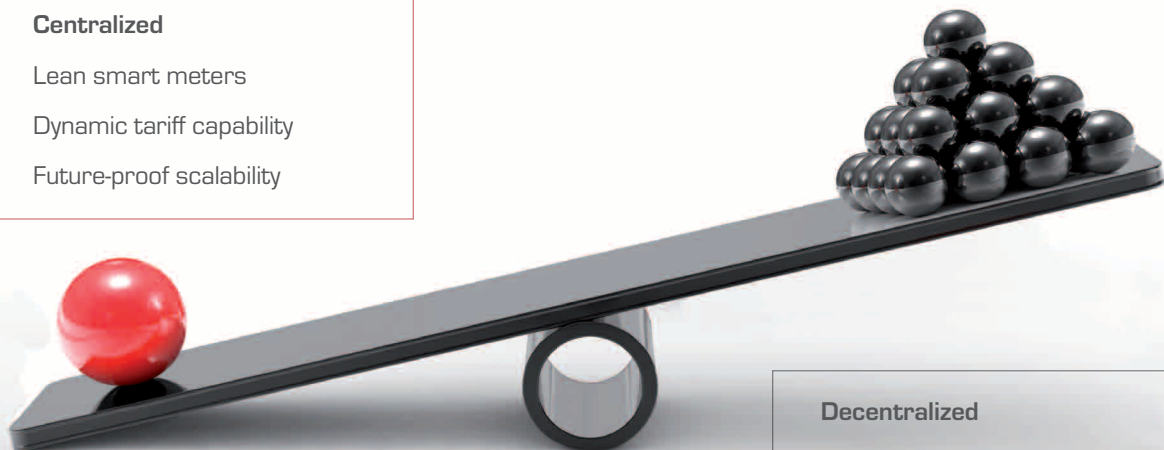
Only when knowing the actual consumption at each point in time, adaptive tariffs can enable an effective demand management to avoid critical peak load situations. With smart metering and bi-directional communication in place, OS.Energy provides the crucial real-time communication capability – the foundation of tomorrow's smart home infrastructure. Home automation networks are enabled to provide status and statistics data on tariffs, consumption or cost forecasts on in-home displays.

Decentralized micro generation via solar panels, wind turbines or generators can easily be integrated by defining individual feed-in tariffs.

Handling such a complex, decentralized infrastructure requires optimized system designs that scale with future expansions while keeping TCO low. Smart meters that integrate metering, tariff management and rating locally work for a few static tariffs but lead to increased complexity when millions of meters have to follow dynamic tariffs and rating parameters.

Centralized

- Lean smart meters
- Dynamic tariff capability
- Future-proof scalability



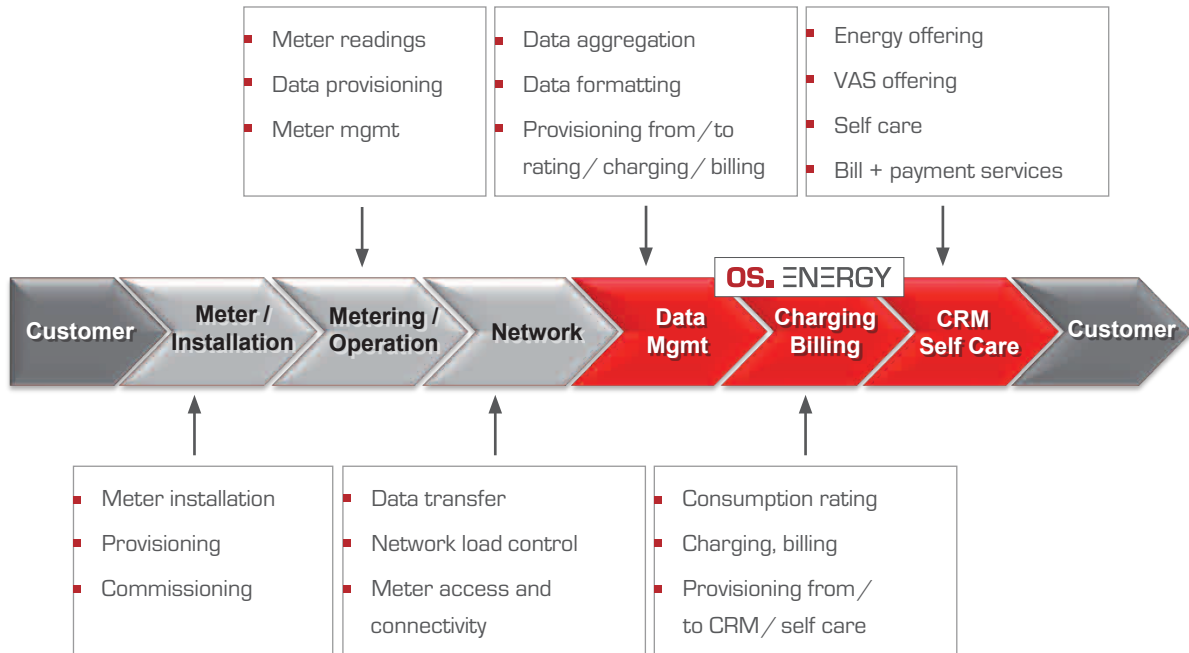
Decentralized

- Expensive meter infrastructure
- Complex meter provisioning
- Limited business models

Orga Systems' OS.Energy keeps all tariffs in a centralized single product catalog, no matter if customer run a prepaid, postpaid or hybrid tariff for their energy.

Its integrated promotion capabilities allow for regular campaigns as well as instant promotions considering targeted bonus, bundle or discount

schemes. This helps energy companies dealing with dynamically changing conditions in a completely new way. Demand Side Management becomes a true option to react on network dynamics e.g. caused by renewable energy sources or the adoption of plug-in hybrid electric vehicles.



Offering of peak bonus instead of running expensive peak load turbines will generate significant savings on standby power plants and reduce the CO2 footprint.

Following established standards like IEC 61968-8,9, integration into meter data management systems (MDMS) or meter data collection systems (MDCS) is just a question of calling the appropriate web service. Orga Systems' centralized and standard based approach combines flexibility and performance with cost efficient system design and matches strong TCO requirements of utility companies. Combined with Orga Systems' pre-paid recharge and payment solutions OS.Energy allows for complete revenue management within an integrated system. Proven security mechanism,

user management and state of the art encryption technologies guarantee secure sales and distribution management even in unsecure environments. Supporting multiple notification and self-care channels OS.Energy exceeds regulatory requirements for a 24/7 accessibility of the customer account and data.

The configurable billing framework provides end-to-end billing processes for invoicing, payment and collection handling. Reporting functions supply customer information portals with real-time consumption data, invoice information and statistics.

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