



# Intelligent energy solutions

for today's and tomorrow's significant energy  
management challenges



The growing inefficiencies of today's power grid and the increasing complexities of smart grid technologies affect us all, from energy providers, to commercial and industrial customers, to residential consumers.

A dynamic new approach to energy management is necessary – one that combines the proven energy management platforms of today with more sophisticated solutions for tomorrow. Only Comverge provides the industry knowledge and end-to-end solutions that can optimize today's outdated grid – while transitioning directly to a future of renewable and regulated energy and cost-effective energy use.

These are challenging times.

It's been said that while Alexander Graham Bell would have no idea what to make of a modern smartphone, Thomas Edison would still recognize our energy grid. Our antiquated systems simply cannot balance supply with ongoing demand while meeting the needs of renewable energies and new technologies.

# Intelligent energy management solutions provide the answer.

Evolving from the proven peak management techniques of demand response, intelligent energy management solutions empower the next generation of increased grid efficiency, reliability, and flexibility. Rather than firing up new production to react to peak demands, intelligent energy management solutions enable real-time, two-way communication between providers and consumers.

In short, intelligent energy management solutions supply the resources that are missing in today's energy mix, while providing the groundwork for more cost-effective energy consumption. This unique approach allows for the total insight and control needed to make informed decisions about usage – for predictability, verification, optimization, integration, interoperation with other energy systems, and distributed asset management.

Only Comverge offers the unrivaled expertise required to develop industry-leading solutions for intelligent energy management.

Comverge brings a 30-year history of innovation to its role as a leading provider of intelligent energy management solutions. With comprehensive offerings for all energy customers, including intelligent hardware, software, and services, Comverge is driving improved management across the grid by empowering real-time insight, analysis, and control of energy data.

That's intelligent energy management at work – born from our heritage in turning complex energy challenges into simple solutions. Our technology is in use across the nation, controlling thousands of megawatts of power and millions of residential devices.



# Optimizing usage across the grid.

With solutions that serve today's complex needs and empower an efficient, more intelligent smart grid of tomorrow, intelligent energy management solutions from Comverge supply end-to-end platforms for enhanced insight and control. Indeed, Comverge offers the industry's most comprehensive intelligent energy management portfolio of complete, turnkey solutions that comprise technology, services, and information management.

Through this portfolio of solutions – along with strategic planning programs, installation and call center access, full marketing support, as well as measurement and verification services – Comverge delivers clearer data and analysis that guarantees bottom-line and operational benefits for:

- Utilities
- Commercial and industrial (C&I) users
- Residential consumers



Solutions  
for utilities

## Balancing supply and demand.

Utilities face intense pressure to balance energy supply and demand while preparing for an ever-evolving smart grid. As the energy resource for an intelligent energy management platform, Comverge overcomes these challenges – improving how utilities predict and manage demand, optimize the grid, increase reliability, and decrease operating costs. Supported by state-of-the-art hardware and software together with industry-leading expertise, Comverge solutions include:

- Intelligent Demand<sup>SM</sup> – Cost-effectively and efficiently take energy off the grid at peak times.
- Intelligent Supply<sup>SM</sup> – Receive risk-free, increased capacity by taking load off the grid.
- Intelligent Customer<sup>SM</sup> – Empower residential, commercial, and industrial customers to take control of their energy consumption.

Solutions for  
commercial  
and industrial (C&I)

## Making better energy decisions.

Today's businesses all feel the complexity and unpredictability of energy management – one of their largest operational expenses. Rising costs, efficiency mandates, and renewable energy sources further compound energy management complexities. Comverge provides the resources C&I customers need to reduce consumption, lower environmental impact, optimize operations, and achieve significant cost savings with comprehensive solutions for intelligently managing energy today and far into the future:

- Intelligent User<sup>SM</sup> – Give energy back to the grid through a customized demand response program.
- Intelligent Efficiency<sup>SM</sup> – Plan, develop, and implement cost-effective energy efficiency strategies.

Solutions  
for residential  
consumers

## Transitioning customers to the future.

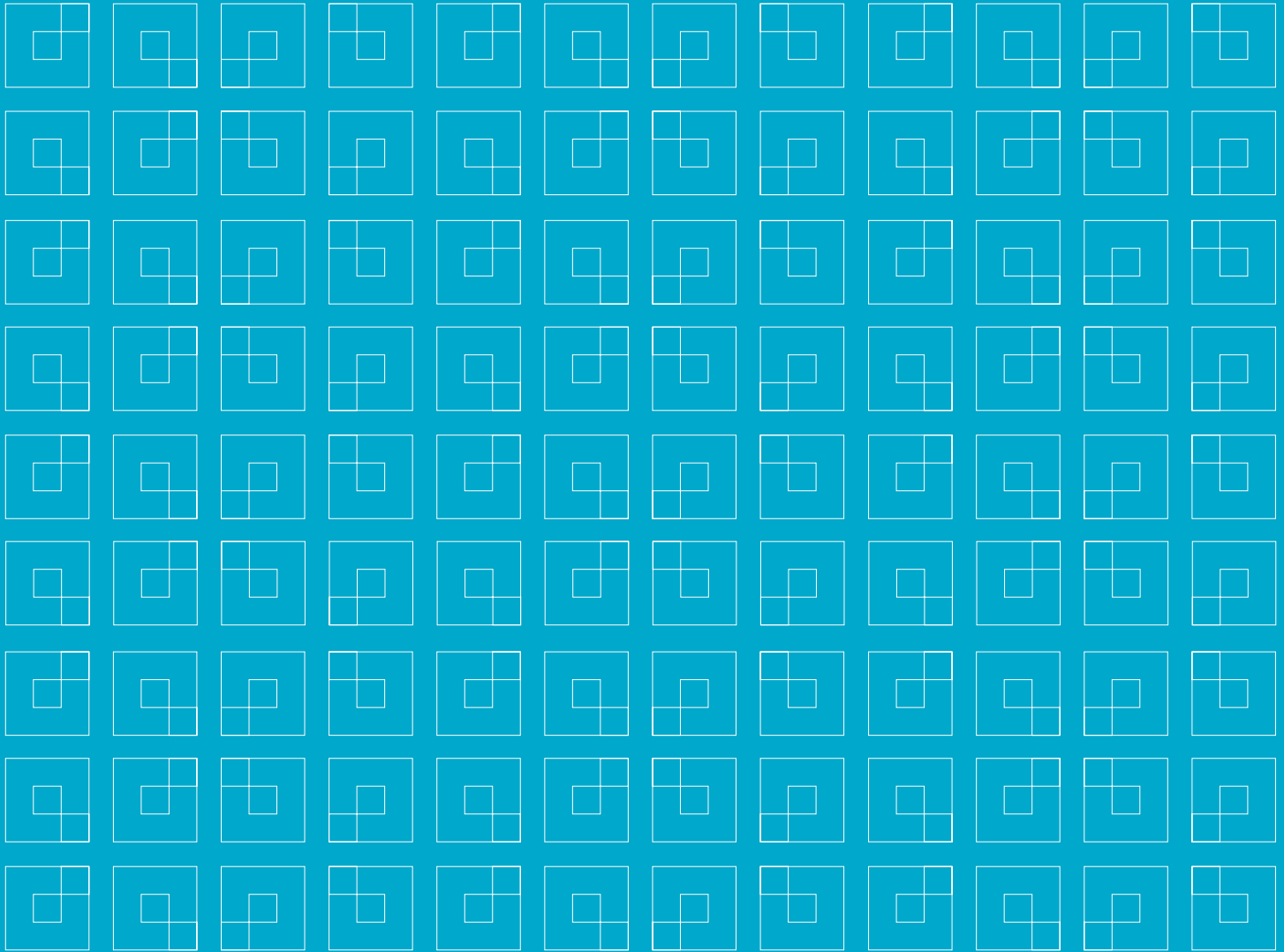
Homeowners suffer the consequences of turbulent energy costs unknowingly – due to a lack of real-time insight into their consumption. With a full line of residential intelligent energy management technologies, Comverge gives homeowners the power to control usage, save energy, and noticeably decrease their energy costs. These tools deliver real-time and historic insights into consumption patterns, allowing customers to control their usage and take advantage of lower-cost, off-peak billing:

- IntelliTEMP<sup>TM</sup> – Gain control of energy use through dynamic programmable thermostats.
- IntelliFOCUS<sup>TM</sup> – Monitor and manage usage in real time with an easy-to-read energy consumption display unit.
- IntelliSOURCE<sup>TM</sup> web portals – Access historic insights into energy consumption patterns to maximize usage.



# Benefits of partnering with Comverge – the leading provider of intelligent energy management solutions.

Comverge takes the risk out of implementing complex energy management programs by leveraging our deep understanding of customer challenges and requirements. With more than 500 utility and 2,100 commercial customers, and five million deployed residential devices, Comverge brings unparalleled industry knowledge and experience to offer the most reliable, easy-to-use, and cost-effective intelligent energy management solutions. Comverge delivers the insight and control that enables energy providers and consumers to optimize their power usage and meet peak demand through the industry's only proven, comprehensive set of technology, services, and information management solutions. For more information, visit [www.comverge.com](http://www.comverge.com).



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