



Smart Grid

for the Real World





Hands-on experience

For more than 80 years, KEMA has focused on one industry — energy. Today, we apply our deep knowledge of the grid, operations and IT toward creating the next great evolution of energy — the Smart Grid. KEMA has been involved in the Smart Grid since its inception, and is known in the global power and gas industry as a trusted partner to utilities, regulators, manufacturers and businesses seeking practical Smart Grid solutions. From deploying the world's first total concept Smart Grid in the Netherlands, to implementing a Smart Grid demo center for a major U.S. utility, to providing business case analyses for energy firms from the U.K. to Brazil and China, KEMA has the hands-on experience needed to help you take the right steps and take advantage of all the opportunities the Smart Grid has to offer.



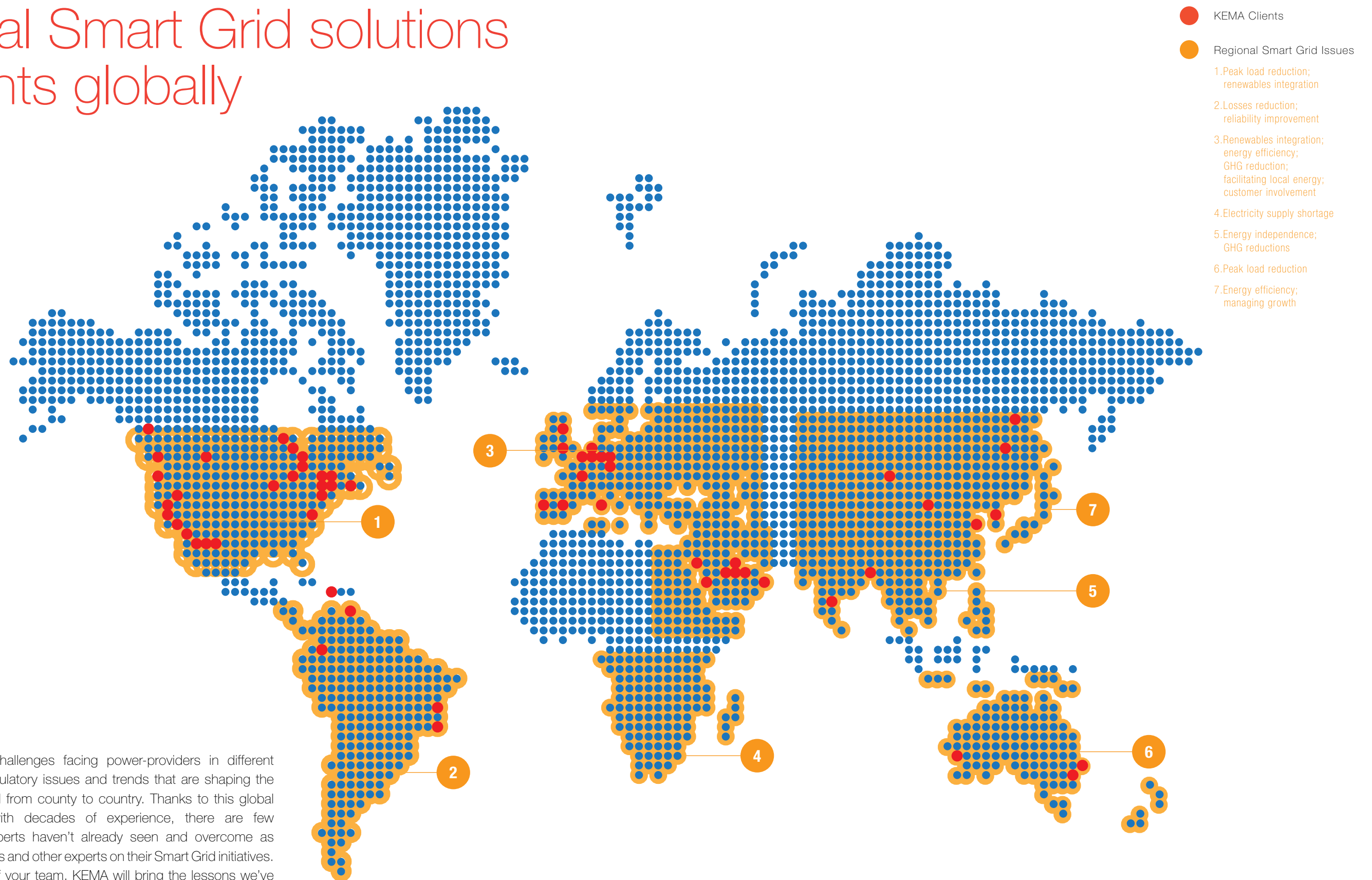
Experience from your side of the desk

Many of KEMA's energy experts have worked in the power and gas industry themselves, and understand the challenges that you face on a day-to-day basis: like providing power at the lowest possible cost in regulated markets; dealing with intermittency issues from renewables; working to keep the lights on during peak load periods, often when relying on an aging infrastructure; and managing risk while improving the bottom line. We speak your language. What's more, our Smart Grid solutions are engineered to work with the systems you have today, so you don't have to replace your entire existing infrastructure. And if we do recommend an investment, it's based on what you truly need in order to drive business results.

“We knew that KEMA's international expertise in the Smart Grid and ability to look at different motivators around the world would provide a key contribution in building our business case.”

Daniel Senna Guimarães, Project Manager, Cemig

Practical Smart Grid solutions for clients globally



KEMA understands the challenges facing power-providers in different regions, as well as the regulatory issues and trends that are shaping the evolution of the Smart Grid from county to country. Thanks to this global perspective, combined with decades of experience, there are few challenges our energy experts haven't already seen and overcome as they've partnered with clients and other experts on their Smart Grid initiatives. Working as an extension of your team, KEMA will bring the lessons we've learned globally to your region, your grid and your organization.

Real Smart Grid solutions tailored to meet your business objectives



KEMA helps our clients navigate the labyrinth of Smart Grid possibilities, creating customized, integrated solutions that support your business goals. Whether you need help choosing and installing IT components, testing a new product to determine how it will work with your existing grid, or developing a business case for upgrades, KEMA can help your organization capture value from the Smart Grid — today.

KEMA's Smart Grid services and representative clients

Technical design and specifications development

Energisa (Brazil)
U.S. Navy
Netbeheer Nederland

Strategy, roadmap, or business case development

Energy Networks Association (U.K.)
Germany Ministry for Economics and Technology
Cemig (Brazil)

Customer outreach and stakeholder communications

Ministry of Energy, Ontario
German Ministry of Transport
ETSA Utilities (Australia)

Business process redesign and change management

Consumers Energy (U.S.)
Electricity Holding Company (Oman)

Supplier evaluation and procurement assistance

Duke Energy (U.S.)
Consolidated Edison (U.S.)
NUON (now Alliander, the Netherlands)

Program management support

City of Glendale Water & Power (U.S.)
Scottish and Southern Energy

Quality assurance and control

CHED Services Pty Ltd (China)
Southern California Edison (U.S.)
Sacramento Municipal Utility District (U.S.)
Jemena (Australia)

Implementation oversight, audits, and benchmarking support

A number of global utilities and government agencies

Regulatory, market, or policy strategy and analysis

Dutch Ministry of Economic Affairs
Vectren Energy (U.S.)
New York ISO

Testing and Certification Services

Iberdrola (Spain)
International Battery
Alliander (Netherlands)

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A free knowledge base and blog
providing expert guidance on your
path to the Smart Grid.

www.kema.com

Experience
you can trust.