

# CALORIE - Solution Centre for Energy and Utilities



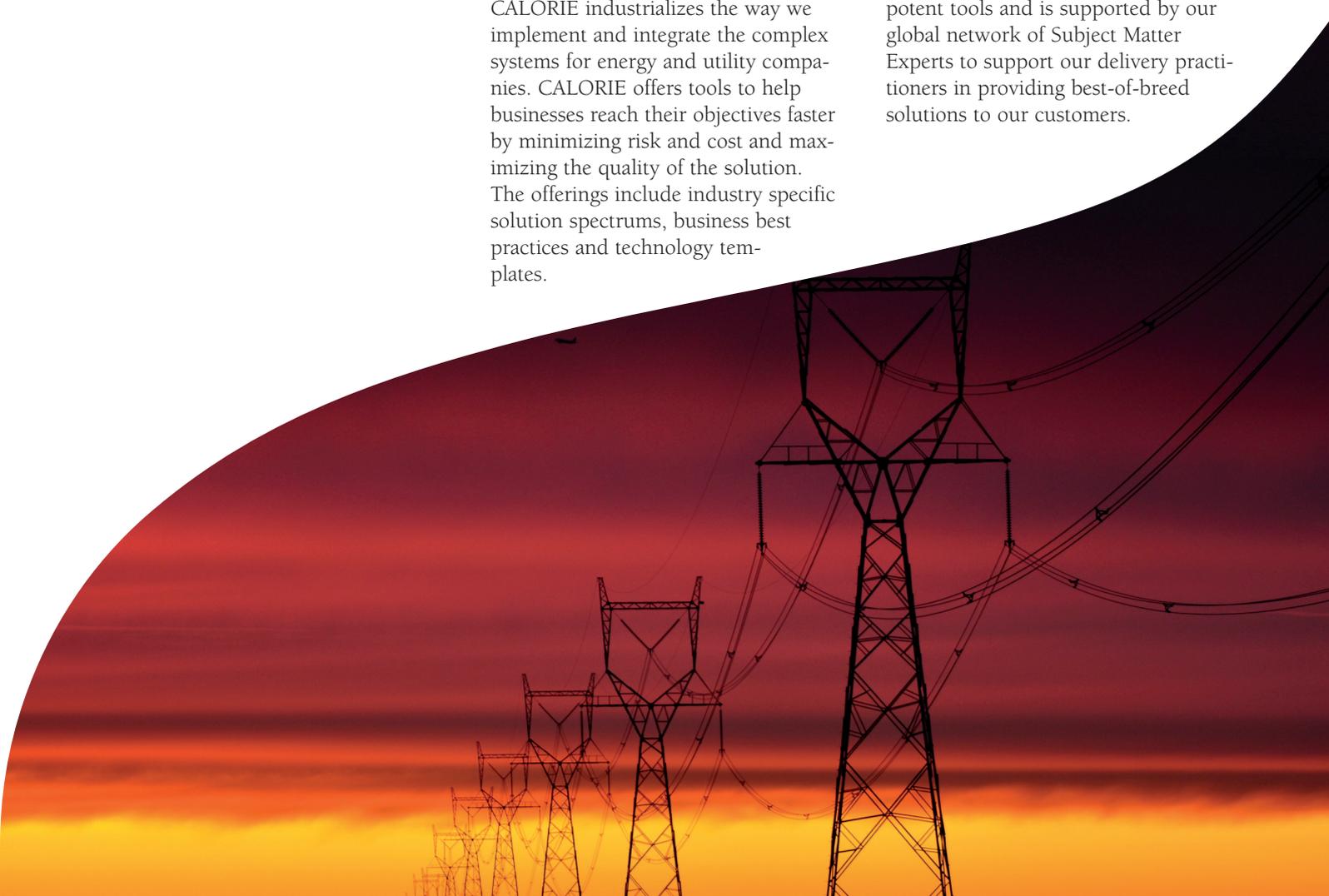
**Industry specific solution offerings to accelerate technology and process transformation at reduced costs and risks**

De-regulation and unbundling of Utilities business across the world has created an open and competitive market. Utility companies have been compelled to change their business thought processes to increase their customer base with a reduced operational cost and enhanced service quality. It is now a critical business need for them to adopt a low-cost but high performance option to serve the customers.

CALORIE industrializes the way we implement and integrate the complex systems for energy and utility companies. CALORIE offers tools to help businesses reach their objectives faster by minimizing risk and cost and maximizing the quality of the solution. The offerings include industry specific solution spectrums, business best practices and technology templates.

CALORIE provides an environment leveraging alliances, partnerships and vendor relations to test, build and industrialize proof of concepts in a real time simulated environment. The list of demos on Smart Metering illustrates the integration/interoperability in the Smart Metering landscape and showcases various business scenarios in the Smart Metering space.

CALORIE also offers an array of potent tools and is supported by our global network of Subject Matter Experts to support our delivery practitioners in providing best-of-breed solutions to our customers.



### CALORIE Value Proposition - Expedite the Enabling Technology

CALORIE provides industry specific solutions and other accelerators to speed up implementation while minimizing risks and reducing costs. The industry specific solutions are offered as fully functional, ready-to-run templates. CALORIE offers templates for the Water, Power and Gas industries. The templates integrate industry best practices from our in-depth domain knowledge and rich expertise in implementing varied solutions for some of the world's leading Utility Companies.

The templates include Business Requirements Documents, Process Maps and Business Blueprint Documents. The processes have been mapped on to SAP and come with a repository of preconfigured SAP scenarios available as user friendly audio-visuals.

#### Water Industry

The template has been built for end-to-end scenarios across the areas of Abstraction & Treatment, Distribution, Retail and Enterprise Management.

#### Power Industry

The template has been built for end-to-end scenarios across the areas of Generation, Transmission, Distribution, Retail and Enterprise Management.

#### Gas Industry

The template has been built for end-to-end scenarios across the areas of HP Transmission, IP & LP Distribution, Retail and Enterprise Management.

The templates provide the following advantages:

- **Fast.** The templates can be easily configured to ensure a faster delivery with complete implementation in as little as six to nine months.
- **Cost and Risk Reduction.** The proven business processes are already configured on SAP IS Utilities and thereby provide a working prototype for a real life implementation. It reduces risk of implementation and reduces implementation effort to the tune of 20-25% on the average.
- **Early Look and Feel.** CALORIE provides an early look and feel of the solution being developed for the end user and enables rapid insight into basic functionality.

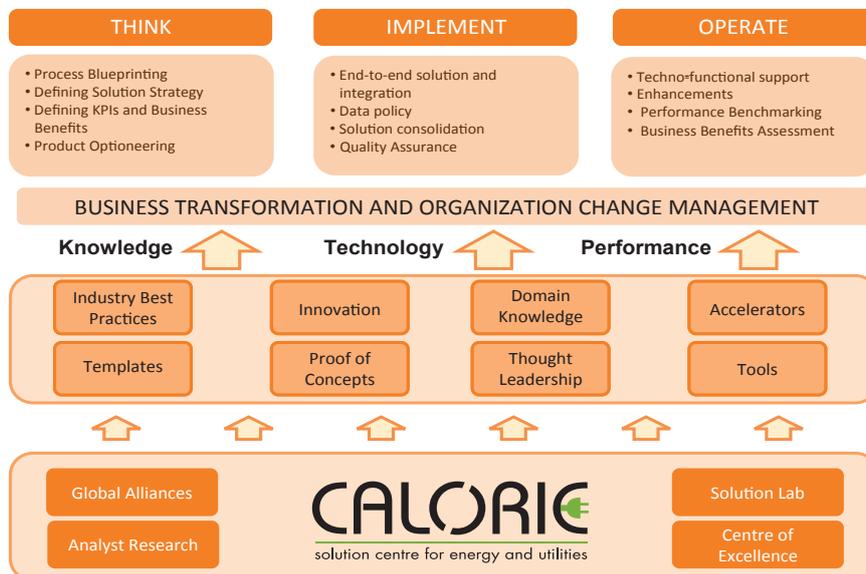
#### Tools and Accelerators

The templates are also supported by a repository of tools and accelerators.

- SAP Deliver 2.0, Capgemini's world-class SAP delivery methodology, which results in acceleration to our client's desired benefits without compromising the quality of the implementation.
- To enhance the quality of post implementation support, CALORIE includes a repository of Application Maintenance tickets with ready solutions in addition to reusable code blocks and test-scripts.
- A global Energy and Utilities Subject Matter Expert locator - providing quick access to various skills including on Asset Management, SAP IS Utilities, SAP IS Oil, Meter Data Management etc.
- CLINT - Capgemini's proprietary tool for estimating the carbon footprint of an organization, compare it with standards and subsequently identify solutions that lead to lower emission.

These offerings will provide a path to improved efficiency and service levels with a platform for growth, steering the energy and utility companies to their destinations and beyond.

Figure 1: CALORIE Value Map



### Smart Metering Solutions

Advent of new technologies like Smart Metering and Smart Grid plays a major role and aims to bring about radical change in terms of operations and behaviours of both the Utility companies and customers. Smart Metering has already been adopted on a big scale in North America and Europe. The UK Government has announced that by 2020 every consumer and business in the UK will have a smart electricity meter installed.

CALORIE offers Smart Metering solutions through three well defined steps:

- Develop POCs to gain customer mindshare and enhance capabilities
- Leverage partnerships and seed capabilities
- Ramp up delivery capabilities

CALORIE has created a data simulator tool for generating data in volumes. Data can be generated in different formats thus not only helping companies in the pre-pilot stage but also helping in developing solutions for interoperability with different meters. It has also integrated the data generated with an intermediate Meter Data Management

(MDM) solution and integrated the same with SAP IS-Utilities in the back end. Several business scenarios such as Instant Meter Reading, Periodic Meter Reading, Remote Disconnection/Reconnection and Replacement of Technical Equipment and Meter have been configured.

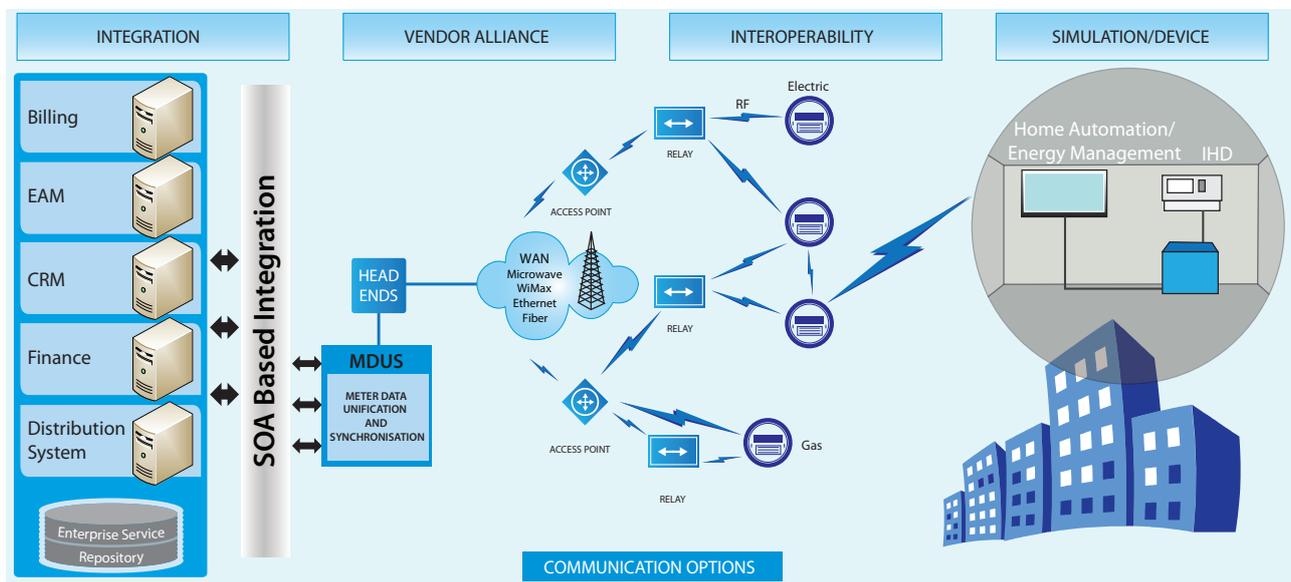
### Tap into the Knowledge Base

CALORIE also includes a knowledge base containing Capgemini's thought leadership in the Energy and Utilities space. The articles are based on topics as diverse as the Capgemini Smart Meter Valuation Model to Emissions Management. It also has a wide array of training materials available for resource competency building.

The training materials are available for both domain competency development as well as for technical training on the SAP IS Utilities platform. Capgemini's proprietary TechnoVision 2012 has also been tailored specifically for the Utility and Oil & Gas sector. This also includes different publications on topics of recent interest such as Green IT and Generation Optimisation among others.



Figure 2: Smart Metering landscape



### Why Capgemini?

CUBES for Electricity combines Capgemini's deep industry knowledge and delivery capabilities with proven SAP implementation experience to deliver sustainable results across companies of all sizes. Capgemini has worked on various engagements with leading Electricity companies across the globe. Capgemini's unique combination of credentials is demonstrated by:

- **Deep industry knowledge:**

Capgemini is ranked #1 in utilities in Western Europe and #3 worldwide for IT services providers, based on 2008 industry revenue.

- **Delivery capabilities:**

As a leading global provider of technology and consulting services, Capgemini has experts working in the energy and utilities space. We provide consulting and IT services to 10 out of the top 10 Utilities globally.

- **Smart Metering credentials:**

Capgemini has a strong footprint in the Smart Metering and Smart Grid space with engagements with leading companies like Hydro One, ONCOR, SDGE and Hafslund. It is a founding member of the Smart Energy Alliance™, an association of technology leaders that is revolutionizing the creation and deployment of solutions for power distribution operations.

- **Leveraging alliances and partnerships:**

We have an unparalleled range of industry alliances and vendor partnerships. This includes alliances with SAP, Oracle, HP, Intel, CISCO Systems and Ventyx to name a few. The alliances are regularly leveraged both for internal capability development and to provide a better solution to our customers.



### About Capgemini and the Collaborative Business Experience

Capgemini, one of the world's foremost providers of consulting, technology and outsourcing services, enables its clients to transform and perform through technologies. Capgemini provides its clients with insights and capabilities that boost their freedom to achieve superior results through a unique way of working, the Collaborative Business Experience™. The Group relies on its global delivery model called Rightshore®, which aims to get the right balance of the best talent from multiple locations, working as one team to create and deliver the optimum solution for clients. Present in more than 35 countries, Capgemini reported 2009 global

revenues of EUR 8.4 billion and employs 1,00,000 people worldwide.

With 1.13 billion euros revenue in 2009 and 12,000 dedicated consultants engaged in Energy, Utilities and Chemicals projects across Europe, North America and Asia Pacific, Capgemini's Energy, Utilities & Chemicals Global Sector serves the business consulting and information technology needs of many of the world's largest players of this industry.

More information about our services, offices and research is available at [www.capgemini.com/energy](http://www.capgemini.com/energy)

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