







E-Bridge
competence in energy

The specialized
consulting company
for the electricity and
gas industries.

E-Bridge Consulting bridges the gap.

Strategy		Operational implementation
Business processes		IT support
Planning		Operation
Markets		Networks

Our consultants are what make us so good.

With their international industrial expertise and long experience in the energy industry, our consultants provide the professional support our customers need.

Independent, reliable, competent.

E-Bridge is fully independent – it is not subject to the special interests of any market players.



Grids and market integration

As a result of growing international cooperation on the part of transmission system operators, and of operators of long-distance gas networks, regional projects have been emerging, throughout Europe, aimed at promoting European market integration and European cooperation on system reliability, safety and security. Our consultants support grid operators and energy exchanges in Europe in assessing, developing, implementing and harmonizing efficient bottleneck-management procedures and control-energy and balancing-energy markets, and in cooperation in the area of system reliability, safety and security.

Market and portfolio analyses

E-Bridge has extensive experience, in a range of different countries, in development of models for networks and market access. With its familiarity with local conditions, its extensive database and analytical tools and its many years of experience in analyzing markets and assessing gas-procurement and power-plant portfolios, E-Bridge is a reliable partner in economic assessments of investment and cooperation projects in the European electricity and gas industry.



Oliver Obert

Dipl.-Ing. Oliver Obert, who has been with E-Bridge since October 2008, advises transmission-system and distribution-network operators, primarily in the areas of market integration, regulation management and asset management. Prior to joining E-Bridge, he worked for over seven years for the transmission-system operator E.ON Netz and for the distribution-network operator of the Stadtwerke München municipal utility. Oliver Obert studied at the Karlsruhe University of Applied Sciences.



Dr. Jens Büchner

Dr.-Ing. Jens Büchner, managing director of E-Bridge Consulting GmbH, has a total of 17 years of experience in the energy sector. He provides consulting for regulatory authorities and utilities in connection with complex, sensitive issues requiring both technical expertise and implementation-based experience. Jens Büchner earned his doctoral degree at RWTH Aachen University.



Steffen Boche

In his consulting, Dipl.-Ing.-Oec. Steffen Boche is able to draw on ten years of experience in the energy sector. His primary focuses at E-Bridge include operational regulation management, preparation of cost-effectiveness studies and assessment of electricity and gas networks. Von From 1998 to 2004, prior to joining E-Bridge, he held a range of management positions at Verbundnetz Gas AG. Steffen Boche studied at the University of Rostock.



Dr. Wolfgang Elsenbast

Dr. rer. pol. Wolfgang Elsenbast has over 14 years of experience in the areas of competition and regulation policy. Before becoming a consultant, he worked for a number of years at the Monopolies Commission (Monopolkommission) and the WIK scientific institute for infrastructure and communications services. His primary emphases at E-Bridge include analyzing issues of regulatory economics, market design, competition policy and benchmarking. Wolfgang Elsenbast earned his doctoral degree at the University of Freiburg.



Knut Eggenberger

Dr. Knut Eggenberger (M.Sc. Economics) has worked as a consultant since 1994. Prior to entering the energy sector (in 2006), he worked in the bank sector, with a specialty in risk management. At E-Bridge, his primary focuses include system services and market integration. In these areas, he works mainly as a consultant for transmission-system operators. Knut Eggenberger holds a doctoral degree from the London School of Economics.



Philipp Schmidt

Philipp Schmidt, holder of a Dipl.-Betriebswirt business-administration degree, has worked in the energy sector for over four years. The primary focuses of his work to date have included the areas of business processes, changes of suppliers, gas transport, client separation, incentive regulation and network-area restructuring and asset management. With his experience in the areas of network economics and regulation, Mr. Schmidt supports E-Bridge especially in the areas of asset and regulation management. Mr. Schmidt studied European Business (EBP) at the University of Portsmouth and at the Münster University of Applied Sciences.



Tuncay Türkuçar

Dipl.-Ing. Tuncay Türkuçar has been an energy-sector consultant for more than 14 years. At E-Bridge, he advises European transmission-system operators and exchanges in assessment, design and implementation of „market coupling“ solutions. In addition, he supports European TMOs in issues of system reliability, safety and security. Tuncay Türkuçar studied at Technische Universität Dortmund.



Dr. Wolfgang Nick

Dr.-Ing. Wolfgang Nick's primary emphases at E-Bridge include supporting distribution-network operators in connection with technical, economic and organizational issues resulting from network regulation and asset management. From 1994 until 2003, before becoming a consultant, he held a number of management positions in the network operations area of the distribution-network operator for the Stadtwerke Bremen municipal utility. Wolfgang Nick earned his doctoral degree at RWTH Aachen University.



Dr. Jörg Katzfey

Dr.-Ing. Jörg Katzfey advises transmission-system and distribution-network operators in development, design and implementation of asset-management and regulation concepts. Prior to joining E-Bridge in 2006, he worked for five years for the distribution-network operator of Vattenfall Europe, with tasks that including key responsibility for establishing a regulation-management system. Jörg Katzfey earned his doctoral degree at RWTH Aachen University.



Ole Flörcken

Ole Flörcken, holder of a Dipl.-Volkswirt economics degree, has been part of the E-Bridge team for four years. He focuses especially on issues relative to renewable energies and risk management. In addition, he is responsible for development of market models and simulations for energy-sector assessments and studies. Ole Flörcken studied at the University of Köln.



Dr. Martin Bandulet

Dr. rer. pol. Martin Bandulet has over five years of experience in the energy sector. At E-Bridge, he is responsible for the areas of market design, portfolio management and asset management. In addition, he supports distribution-network operators in operational regulation management, especially with regard to gas-network access. Prior to joining in E-Bridge, he worked for Thüga AG (Munich). Martin Bandulet earned his doctoral degree at the University of Augsburg.

Distribution-network operators

Facing constant cost pressures and ongoing quality-assurance requirements, operators of electricity and gas networks regularly need to review and adjust their network concepts, their maintenance strategies and even their operational processes. Combining regulatory, economic and technical expertise with practical experience, E-Bridge offers its customers optimal support in dealing with such challenges.

Small and medium-sized municipal utilities

E-Bridge supports small and medium-sized utilities in connection with all areas of energy-market regulation. E-Bridge provides support throughout the entire spectrum of relevant issues, including grid fees, unbundling agreements, identification of potential savings, network acquisitions in connection with expiring concession agreements and organizational tasks. Such activities are enhanced by a relevant project that E-Bridge is carrying out in cooperation with over one hundred companies, involving regular information-sharing and workshops and pertinent comparative data analyses.



Relevant issues from current projects

- Development of implementation-ready market-coupling solutions for regional markets in Central-West Europe (CWE) and Scandinavia;
- Joint procurement platform for control-energy and balancing-energy markets (electricity and gas);
- Technical and economic assessment of network-expansion and network-connection options and of new interconnectors;
- Assessment of competition trends in the German gas market;
- Concepts for grid use and connection of power plants;
- Economic energy-market analyses and future service concepts;
- Design and introduction of risk-based asset management (electricity and gas);
- Network assessment in the framework of due diligence and expiring concession agreements;
- Specialized strategies for planning, operation and maintenance of networks;
- Process benchmarking and optimization, and development of relevant performance indicators, relative to interaction between asset owners/asset managers and asset managers/network service;
- Operational regulation management, for some 120 distribution-network operators;
- Conceptual and organizational analysis of network-sector cooperation;
- The potential inherent in smart metering, and concepts for implementing smart metering.

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