



adelphi



ENERGY & DEVELOPMENT

PORTFOLIO



adelphi

Profile

adelphi is a leading independent think tank and public policy consultancy on climate, environment and development.

Our mission is to improve global governance through **research, dialogue and consulting**. We offer demand-driven, tailor-made services for sustainable development, helping **governments, international organizations, businesses and nonprofits** design strategies for addressing global challenges.

Our **staff of more than 150** provides high-quality interdisciplinary research, strategic policy analysis and advice, and corporate consulting. We facilitate policy dialogue and provide training for public institutions and businesses worldwide, helping to build capacity for transformative change. Since 2001 we have successfully completed **over 800 projects in 85 countries**. Our work covers the following key areas: **climate, energy, resources, green economy, sustainable business, green finance, peace and security, urban transformation, and international cooperation**.

Partnerships are key to the way we work at adelphi. By forging alliances with individuals and organizations, we help **strengthen global governance and so promote transformative change, sustainable resources management and resilience**.

adelphi is a values-based organization with an informal culture based on excellence, trust and cooperation. Sustainability is the foundation of our internal and external conduct. **Our activities are climate-neutral** and we have a **certified environmental-management system**.

Contact

Rainer Agster
Director Private Sector
Cooperation
agster@adelphi.de

adelphi
Landwehrstr. 37
80336 München
Germany

T +49 (89) 2488 307-10
F +49 (89) 2488 307-70

www.adelphi.de





Services

Limited access to energy and dependency on fossil fuels are major barriers to the economic development and the improvement of living conditions in emerging and developing countries. Small and medium-sized enterprises in particular, who are essential to the economic growth of these countries, often suffer from high energy and electricity prices as these heavily affect their competitiveness.

In spite of their great potential, energy efficiency measures and renewable energies are not being sufficiently utilised by these enterprises.

adelphi supports stakeholders from politics, the finance and industrial sector in building capacities to design the necessary framework for the energy transition. We support sustainable development in the field of energy, particularly through the design and the implementation of adequate consulting instruments and trainings.

Offer

Building on vast international experience with technical assistance programs for development cooperation and a comprehensive network of experts, adelphi offers the full range of services in the context of energy efficiency and renewable energies for developing and emerging economies. We particular offer:

Project management

- Technical assistance for project implementation
- Conceptual design and further development of political processes and institutional framework conditions

Dialogue processes and trainings

- Conceptual design, coordination and implementation of training and awareness-raising activities
- Strategic organisation and supervision of dialogue processes (workshops, conferences, study tours)

Technology consulting

- Development of feasibility studies, toolboxes, case studies
- Assessment and supervision of effectiveness of different policy instruments and measures



Development of framework conditions for promoting energy efficiency in the Nepalese industrial sector

Client Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Term 07.2015 - 06.2017

Between 2010 and 2014, adelphi implemented the Nepal Energy Efficiency Programme (NEEP), which aimed at improving institutional and human capacities of the Energy Efficiency Cell within the Federation of Nepalese Chambers of Commerce and Industry (FNCCI). After the successful execution of NEEP, GIZ decided to extend the project. As part of the continuation, adelphi and its partner INTEGRATION are responsible for developing a market-based system to promote energy efficiency in the industrial sector.

- Training of energy auditors and managers
- Energy audits in companies and public buildings and establishment of energy networks
- Awareness-raising for energy efficiency among Nepalese industries and public authorities through comprehensive marketing



Developing a Nationally Appropriate Mitigation Action for the pulp and paper industry in Indonesia

Client Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Term 11.2015 - 10.2016

Due to an increasing demand for paper in Asia, the pulp and paper industry is expected to see continued growth in the coming years. Against this backdrop, adelphi, together with its partners Asian Management Consulting and Perspectives, developed a specific NAMA for the Indonesian Ministry of Industry. The goal was to enable the government to retain its leading position without neglecting its national climate mitigation goals.

- Development and evaluation of various possible options for emissions reduction using a cost-benefit analysis
- Assessment and supervision of effectiveness of different policy instruments and measures with an MRV System
- Continuous dialogue with relevant stakeholders at local workshops



Supporting a credit line for energy efficiency measures in Indian MSMEs

Client KfW Development Bank / Small Industries Development Bank of India (SIDBI)

Term 09.2010 - 04.2014

SIDBI provided a dedicated credit line to Indian micro-, small and medium-sized enterprises (MSMEs) for investments in cleaner production. In cooperation with its partners, the International Institute for Energy Conservation and the Dutch consulting firm Triodos Facet, adelphi supported the bank in setting up, disbursing and monitoring the credit line. adelphi also assisted MSMEs in identifying suitable investment opportunities and provided support with the development of loan applications.

- Development of a monitoring and verification system for the loan disbursement to monitor emission reductions
- Recommendations of institutional framework conditions for a successful loan disbursement
- Training and capacity building, technical evaluation of loan applications and development of a marketing strategy



Sustainable Energy for Jobs (SE4JOBS)

Client Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Term 12.2014 - 07.2016

As part of the regional program RE-ACTIVATE, the project aims to support policy makers in their effort to create jobs and local value in renewable energies and energy efficiency. In close cooperation with local stakeholders, a knowledge platform was created that reflects on good practice examples of RE/EE policies and derives concrete opportunities for action in MENA countries. Focus countries are Egypt, Morocco, and Tunisia.

- Analysis of good practice examples in countries such as Brazil, China, India, Turkey, Mexico, and South Africa
- Identification of framework conditions in MENA countries and potential entry points
- Toolbox development in close coordination and through regular consultations with relevant stakeholders in the region



Supporting an energy efficiency credit line for residential housing in India

Client KfW Development Bank

Term 08.2012 - 02.2016

- Capacity development of National Housing Bank (NHB) and all stakeholders through training, study tours, conferences etc.
- Project identification, provision of energy efficiency consultancy services and certification
- (Re)financing of more than 2,200 loans in energy-efficient apartments



Market studies for energy efficiency and renewable energy financing in Sub-Saharan Africa

Client: African Development Bank Group (AfDB)

Term: 03.2016 - 06.2016

- Market study in two of the four sample countries (Kenya and South Africa)
- Assessment of potential and feasibility of a finance facility by AfDB, and needs for financial and technical support
- Development of recommendations for the design of a financing facility



German promotional programmes for energy efficiency as a potential blueprint for China

Client: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Term: 09.2015 - 11.2015

- Study examining the German landscape for the promotion of energy efficiency in the building and industry sector
- Development of indicators for assessing promotional mechanisms according to their impact and performance
- Six case studies on financial mechanisms particularly interesting for the Chinese context



Updated study on energy efficiency in public buildings in Egypt

Client KfW Development Bank

Term 01.2016 – 09.2016

- Updated feasibility study for a KfW financed energy efficiency programme in Egyptian universities
- Analysis of changes in the legal and policy framework, and the structure and function of the partner institution SCU (Supreme Council of Universities)
- Building catalogue, re-evaluation of eligible energy measures, and re-design of the programme



Value chain assessment of solar technologies in Tunisia

Client: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Term: 02.2012 - 03.2013

- Overview of the market development of PV, CSP, STWH and detailed analysis of value chains
- Survey to assess the companies' technological and financial capacities
- Recommendations and an action plan for policy makers and stakeholders from the private economy



Regional Energy Efficiency Project (REEP) in South Asia

Client: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Term: 05.2011 - 12.2013

- Study tours, conferences and training events covering the full range of energy efficiency topics
- Support in establishing a regional energy efficiency network with experts from Bangladesh, India and Nepal, for a regional exchange of best practices on energy efficiency
- Involvement of regional experts from China, Pakistan, Sri Lanka and Thailand

