



adelphi



SUSTAINABLE ENERGY FINANCE

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Portfolio

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 advice**. 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 130** provide 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 nine 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 value-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**.

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Field

Sustainable energy is a major pillar to combat climate change and reduce dependencies on expensive fossil resources. That is why this subject area gains in importance, both in Germany and the international context.

The usage of renewable energies and the implementation of energy efficiency measures in buildings, infrastructure and industrial processes can be fostered notably by the provision of attractive financing models.

However, deficits in both supply and demand financing of sustainable energies can be identified. High capital costs and long investment periods – alongside relatively low short-term returns in the planning period – often make supply-side investments seem unattractive. On the demand side, financial products are often not tailored to sustainable energies and they are difficult for buyers to access. This is especially the case in developing and emerging economies.

Services

Building on technical and sustainable financing expertise in various areas, our team consults international and national financial institutions, international donor organisations, policy makers and the private sector to develop successful financing and implementation strategies for sustainable energies. We work with local partners in order to provide tailored support and locally accepted financing products.

In particular we offer:

Technology consulting

- Feasibility studies for financing products
- Monitoring and evaluation of sustainable energy financing products

Project management

- Technical assistance for the provision of credit lines and financing programmes
- Conceptual design and further development of political processes in the area of renewable energy and energy efficiency

Dialogue processes and trainings

- Conceptual design, coordination and implementation of training activities on sustainable energy finance
- Strategic organisation and supervision of dialogue processes (workshops, study tours)



Stimulating Energy Efficiency Financing in the EU through capacity building in the banking sector

Client: European Investment Bank (EIB)

Term: 10.2015 – 10.2018

To increase investments in energy efficiency in the European Union, the European Investment Bank (EIB) has set up the Private Finance for Energy Efficiency (PF4EE) programme. Besides an EIB loan and a risk-sharing facility, it entails an Expert Support Facility (ESF). Under the ESF, adelphi in cooperation with its partner MACS provides consultancy and training to 10 private banks all over the EU to enhance their capacities in energy efficiency lending.

Project activities and outcomes

- Training of banking staff on legal, technical and financial aspects of the PF4EE programme and EE lending in general
- Development of an eligibility checking & monitoring tool to report CO2 and energy savings
- Tailor-made capacity building support to selected partner banks based on a need assessment



Funding programme for energy efficiency measures in the Nepalese industry

Client: KfW Bankengruppe

Term: 09.2015 - 08.2017

Nepal's opportunities for economic growth are significantly reduced by the country's dependence on imported fossil fuels and the rise of international fuel prices. For this reason, KfW Development Bank provides a grant fund of EUR 2 million for energy efficiency measures in various industrial sectors. The grants will be disbursed to eligible companies through KfW's partner bank, NIDC Development Bank Ltd. adelphi and its partner INTEGRATION are assisting NIDC Development Bank Ltd. in Nepal to implement and manage the grant fund.

Project activities and outcomes

- General assistance in processing the disposition fund
- Definition of criteria for choosing measures to be subsidised
- Development and utilisation of environmental & social standards
- Provision of capacity building & market development measures



Technical advisory for the implementation of a credit line for renewable energies in India

Client: Indian Renewable Energy Development Agency Ltd (IREDA)

Term: 04.2014 – 03.2016

The German development bank KfW cooperates with the Indian Renewable Energy Development Agency (IREDA) through a credit line to promote renewable energy sources in India. Within the accompanying measures, adelphi provides training and organisational development to IREDA.

Project activities and outcomes

- Investors manual
- Trainings on assessment and forecasting of power generation by renewable energy resources
- Training on financial expertise
- International study tour
- Training manuals
- Marketing action plan



Market Studies for Energy Efficiency and Renewable Energy Financing in Sub-Saharan Africa

Client: African Development Bank Group (AfDB)

Term: 03/2016 - 06/2016

AfDB is seeking to establish a finance facility for small and midsize investment in renewable energy (RE) and energy efficiency (EE) in a number of sub-Saharan African countries. adelphi conducted a market study in two of the four sample countries (Kenya and South Africa) to assess the potential and feasibility of this programme and the needs related to financial and technical support for investments in the fields of renewable energy and energy efficiency. Recommendations for the design of a financing facility were derived from the results of the assessment.

Outcomes of the studies

- Analysis of possibility of setting up an RE/EE credit line
- Evaluation of political and economic conditions
- Estimates of market potential for RE/EE
- Identification of suitable financial institutions to promote RE/EE investments
- Recommendations for the design of a financing facility



Supporting a credit line for energy efficiency measures in Indian MSMEs

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

Term: 09.2010 - 09.2014

SIDBI provided a credit line of EUR 50 million to micro, small and medium-sized enterprises (MSMEs) for energy efficiency investments in India. adelphi was supporting the bank in setting up, disbursing and monitoring the credit line. The tasks comprised recommending institutional framework conditions for successful loan disbursement, providing training and capacity building, technical evaluation of loan applications, and a focused marketing strategy. Furthermore, adelphi assisted MSMEs in identifying suitable investment opportunities.



Integrating energy efficiency into risk management systems of banks in Sri Lanka

Client: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Term: 12.2014 – 03.2016

adelphi supported two partner banks in Sri Lanka in including energy efficiency considerations in their banking procedures. The focus lied on the development of tools and training events for banks to help them understand energy risks and integrate them into their risk management. In addition to that, adelphi cooperated with the banks' customer relations departments to enable them to identify energy intense SMEs and provide advice on energy-saving measures.



Updated study on energy efficiency in public buildings in Egypt

Client: KfW Bankengruppe

Term: 01/2016 - 09/2016

In 2013 adelphi prepared a feasibility study for KfW for an energy efficiency programme in Egyptian universities, which could not be implemented because of political upheaval. A resumption of the programme is under the current political conditions considered feasible and thus the study was updated, taking account the changes in the legal and policy framework, the structure of the Egyptian partner institution SCU. A building catalogue, a re-evaluation of eligible energy measures and a programme re-design are also included.



Feasibility studies for financing energy efficiency in residential housing in India

Client: KfW Bankengruppe

Term: 03.2014 - 06.2014

KfW provided a credit line of EUR 50 million to the National Housing Bank of India (NHB) for refinancing home loans for energy-efficient apartments. Due to the programme, more than 22,000 apartments underwent energy-efficient construction. Recognising the success, KfW intends to continue its engagement. Adelphi therefore conducted a set of feasibility studies to explore the most suitable design of a next credit line as well as to draw up recommendations for the next phase of technical assistance.



KfW energy workshops "Financing Energy Efficiency in Buildings"

Client: KfW Bankengruppe

Term: 10.2011 - 02.2012; 04.2013 - 11.2013

KfW hosted a series of workshops in 2012 and 2014 to exchange experiences and lessons learned in the field of financing energy efficiency in (public) buildings. adelphi supported KfW during the development, implementation and documentation of both events which brought together German and international experts from the banking, government, and financial cooperation sectors. Interactive dialogue formats combined the provision of expertise with focused discussions. This allowed representatives from more than 20 transition and developing countries to formulate their own ideas on how to promote energy efficiency.



Preparatory studies for KfW's second energy efficiency line of credit with SIDBI

Client: KfW Bankengruppe

Term: 03.2014 - 12.2014

KfW provided an energy efficiency credit line of EUR 50 million to the Small Industries Development Bank of India (SIDBI). The line of credit financed more than 300 energy efficiency projects in Indian industrial SMEs. adelphi was assigned by KfW to conduct preparatory studies for a second KfW energy efficiency line of credit with SIDBI. The aim of the preparatory studies is to review the experiences of the first phase and optimise the concept for the next credit line.

