

Jorgen Boldt References

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Theme: Renewable energy – developing countries

Overview

Regions of experience: ASEAN countries

Countries of experience: Cambodia, India, Kenya, Laos, Malaysia, Namibia, Nigeria, South Africa, Tanzania, Thailand, Uganda, Vietnam

Employments

Solar water pump demonstration project in Mpera-Kisemvule Village	
Location	Tanzania, Cost Region
Employer	University of Dar es Salaam, Faculty of Engineering.
Period	August 1979 – June 1980
Client	Danida
Position	Project manager, resident (10 manmonths)
Description	Constructed and tested a solar powered water pump (own invention) in a village in co-operation with the Tanzanian Ministry for Water, Energy and Minerals, and the regional authorities of the Coastal Region, and assisted by local technicians and craftsmen.

Selected projects

Finalisation of the SWITCH Policy Support Component programme in the Philippines	
Location	Manilla, Philippines
Period	April – May 2011
Client	AGEG Consultants eG, commissioned by the EU Delegation, Manilla
Position	Renewable Energy Specialist (0.6 manmonth) in a multi-disciplinary team of two international experts
Description	The objective of the Finalisation Mission was to draft a project to support the development and implementation of SCP (Sustainable Consumption and Production) policies in the Philippines, in line with existing government priorities. Support to the implementation of the main renewable energy policies and laws was one of two components.

Renewable Energy Development Programme China 2009 - 2013	
Location	Peoples' Republic of China
Host	The National Development and Reform Commission (NDRC), Beijing
Period	January 2008 – May 2008
Client	Nordic Consulting Group, commissioned by the Danish Ministry of Foreign Affairs
Position	International Energy Sector Expert (1.5 manmonths) in a multi-disciplinary team
Description	Manager and key authour of component 'Support to the establishment of a National Renewable Energy Centre of China' (in English) of the design document for a 5-year bilateral cooperation programme (2009-2013). The technical assistance project, carried out by a multi-disciplinary team, involved communication with high level officials and other key stakeholders, and coordination with other donor agencies supporting similar activities, in particular the World Bank.

Mitigating risk and strengthening capacities for rural electricity investment in Africa (MIRREIA)	
Location	Kenya, Tanzania, and Uganda
Period	August 2006 – June 2007
Client	Energy for Sustainable Development (ESD, United Kingdom); commissioned by Intelligent Energy – Europe, European Commission
Position	Senior energy policy expert (4 manmonths)
Description	In this European Commission funded technical assistance project, Boldt was manager and team leader of a work package (with inputs from three national teams of experts), which delivered three sets of national recommendations (in English) for policy and regulatory actions to promote renewable energy investments plus guidebooks for investors. The overall objective of the project was to inform national policy makers of options for improving the framework conditions for rural electricity investments plus to provide concrete information on current conditions and essential stakeholders to private sector investors.

Formulation of legal framework on renewable energy for Cambodia, Laos and Vietnam	
Location	Cambodia, Laos and Vietnam
Period	June 2006 – December 2006
Client	Grontmij (Sweden); commissioned by the ASEAN Centre for Energy (ACE), The EU-ASEAN Energy facility
Position	Senior Energy Policy Expert (2.5 manmonths). Three EU experts; one was overall manager incl. logistics and finance, another was a renewable energy technical expert.
Description	In this European Commission funded technical assistance project Boldt (as lead author) formulated, in cooperation with high level officials and other stakeholders from the three countries, draft renewable energy laws for Cambodia and Vietnam and a draft road map for developing a renewable energy policy in Laos (all in English). Several meetings were held with senior officials, and a national workshop was conducted in each country (100 participants in total). Besides giving presentations, Boldt managed a participatory process to maximize local ownership. To support the regional integration between the countries, the project was concluded by a regional seminar (30 participants) for country representatives and the ASEAN Sub-Sector Network for Renewable Energy. The project also built on experiences from the ASEAN and European Union as well as the existing legal and policy framework in the beneficiary countries.

Productive use of landfill gas, South Africa	
Location	Johannesburg, South Africa
Period	May 2004 – April 2005
Client	Royal Danish Embassy, Pretoria, as employee of Ramboll Denmark
Position	Project manager and Team leader (4 manmonths) of a team of international and South African experts
Description	The overall objective of this technical assistance project was the development of a CDM project up to the point of financing. This involved a multi-disciplinary approach: – Pump test to accurately determine the amount and characteristics of landfill gas from two landfills. – Technical, financial, economic and environmental assessment of end-uses of the landfill gas. – Undertaking the necessary steps develop the carbon potential of both landfill sites. – To undertake an cost-benefit analysis and to develop detailed engineering and financing plans, and possibly the development of a joint venture business plan. – To initiate, to provide the necessary guidance and coordinate the level of environmental impact assessment (EIA) required for implementing the CDM project.

Green electricity for the World Summit on Sustainable Development, Johannesburg	
Location	South Africa, Johannesburg
Period	April – September 2002
Client	Agama (South Africa), commissioned by US AID
Position	International Expert
Description	The objective was to create a dedicated market place for renewable energy within the framework of the emerging privatised electricity market in South Africa. The scope was long-term, but for publicity reasons the key milestone was to supply the venues of the World Summit with electricity generated from renewable energy through market-based mechanisms.

Capacity Building in Renewable Energy and Energy Efficiency in Namibia	
Location	Namibia
Host	Ministry of Mines and Energy
Period	October 2001 – April 2002
Client	Danida, as employee of Ramboll Denmark.
Position	Project Manager and Team Leader (1 manmonth) of a team of international and Namibian experts
Description	The objective of this technical assistance project was to design a Project Document (in English) on the themes: - Improve the institutional capacity of the Ministry of Mines and Energy to such a degree that the initiation and development of renewable energy and energy efficiency policies and regulations can be undertaken within the Ministry. - Support and establish the envisaged REEE Institute in Namibia. The functions of the Institute will include the dissemination of information regarding renewable energy technologies and energy efficiency practices, related training, and the co-ordination of aspects related to renewable energy and energy efficiency.

Renewable energy independent power producers, South Africa	
Location	South Africa
Period	February 2000 – January 2001
Client	Danida, as employee of Ramboll Denmark
Position	Project Manager and Team leader (3 manmonths) of a multi-disciplinary team of international and South African experts
Description	The objective of this technical assistance project was to identify barriers for the successful development of renewable energy IPPs in a market-based electricity system and means to overcome those barriers.

Renewable Energy and Energy Efficiency in Namibia	
Location	Namibia
Host	National Planning Commission
Period	November 2000 – January 2001
Client	Danida, as employee of Ramboll Denmark.
Position	Project Manager and Team Leader (1 manmonth) of a team of international and Namibian experts
Description	The objective of this technical assistance project was to design an energy sector cooperation programme (in English) for the Danish Government's assistance to Namibia for the period 2001-2002, including a strategy and an action plan for concrete projects to be implemented. The project involved communication with high level officials and other key stakeholders, and coordination with other donor agencies' previous and on-going activities.

The Darling Demonstration Wind Farm Project	
Location	South Africa, Western Cape
Host	Department of Minerals and Energy, Johannesburg
Period	March 2000 – January 2003
Client	Danida, as employee of Ramboll Denmark
Position	Project manager and Team leader (8 manmonths) of a multi-disciplinary team of international and South African experts
Description	The objective of this technical assistance project was to prepare and develop the first National Wind Farm Demonstration Project in South Africa (4 turbines, each 1.3 MW, powered up in May 2008). The project addressed on-site wind measurements and wind resource assessment, lay-out of wind farm, environmental impact assessment, financial, economic and commercial analyses, power purchase agreement, overall project facilitation.

Renewable Energy and Energy Efficiency in Thailand	
Location	Thailand
Host	National Energy Policy Office
Period	September 1999
Client	Danida, as employee of Ramboll Denmark
Position	Renewable energy expert. Team of two European experts, the other on project management and energy efficiency, plus local experts.
Description	Manager and lead author of components 'Increased harnessing of renewable energy resources' and 'Improved policy development capacity' of the design document for a 5-year bilateral cooperation programme (in English), including a strategy and an action plan for concrete projects to be implemented. The technical assistance project involved communication with high level officials and other key stakeholders, and coordination with other donor agencies supporting similar activities.

Renewable Energy and Energy Efficiency in Malaysia	
Location	Malaysia
Host	Ministry of Energy, Communications and Multimedia
Period	March 1999 –May 1999
Client	Danida, as employee of Ramboll Denmark
Position	Team Leader and Renewable energy expert. Team of two European experts, the other on energy efficiency, plus local experts.
Description	Team Leader and lead author of component ‘Renewable energy’ (in English) of the design document for a 5-year bilateral cooperation programme, including a strategy and an action plan for concrete projects to be implemented. The technical assistance project involved communication with high level officials and other key stakeholders, and coordination with other donor agencies’ previous and on-going activities.

EC-ASEAN COGEN Programme	
Location	ASEAN Countries and Copenhagen
Host	Asian Institute of Technology, Bangkok
Period	September 1992 – March 1995
Client	European Commission, Directorate General I (external affairs)
Position	Team Leader of European Focal point, hosted by the Danish Energy Agency
Description	This European Commission funded cooperation programme, supported the regional integration within ASEAN in finding common solutions to the utilization and adoption of European technologies. The Programme was an economic cooperation programme between the European Commission and the ASEAN Secretariat, concerning transfer of technology in the field of heat and power generation from biomass and residues, and applying a multi-disciplinary approach. Boldt managed the production of major communication deliverables in compliance with European Commission project management procedures and financial regulations, e.g. the ‘European Directory of Biomass Energy Companies’ and a 22-pages intro-brochure on the programme for a wide audience, both in English.

North East Arid Zone Development Programme	
Location	Nigeria, Borno State
Host	Borno State Government
Period	April – September 1990
Client	European Commission
Position	Renewable Energy Expert (2 manmonths)
Description	This European Commission funded cooperation programme applied a multi-disciplinary approach to development. Boldt managed the energy component by elaborating a plan (in English) for the promotion of renewable energy (in particular solar photovoltaics) and more efficient use of fuelwood.

Windmills in the Coastal Region of West Bengal	
Location	India
Host	Jadavpur University, Calcutta
Period	October 1987 – August 1989
Client	Danida's Research Council
Position	Technical Expert (4 manmonths); multi-disciplinary team of two experts, the other being responsible for overall management and logistics.
Description	Feasibility study on introducing windmills for water pumping in the coastal area of West Bengal. A multi-disciplinary project including marketing analysis together with technical, economical and socio-economic evaluations.