

## Jorgen Boldt References

Latest update: 26 October 2012

### Region: Africa

#### Employments

<b>Solar water pump demonstration project in Mpera-Kisemvule Village</b>	
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.

#### Projects

<b>Mitigating risk and strengthening capacities for rural electricity investment in Africa (MIRREIA)</b>	
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.

<b>Strategic/sectoral, social and environmental assessment of power development options in the Nile Equatorial Basin</b>	
Location	Burundi, D.R. Congo, Kenya, Rwanda, Tanzania, Uganda
Period	February 2004 – September 2005
Client	World Bank, Nile Basin Coordination Unit
Position	Independent Reviewer (4 manmonths)
Description	The study, undertaken by the Nile Basin Initiative and the World Bank, examined the economic and engineering feasibility of a large number of power options, as well as their environmental and social impacts, to allow for informed and transparent decision-making in the selection of future power investments (project website: <a href="http://www.ssea.snclavalin.com">www.ssea.snclavalin.com</a> ). The tasks of the two Independent Reviewers were to undertake periodic, comprehensive and independent reviews of the project and to provide advice, expertise and strategic guidance to the Project Steering Committee throughout the development of the study.

<b>Productive use of landfill gas, South Africa</b>	
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 multi-disciplinary team of five international and South African experts
Description	<p>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:</p> <ul style="list-style-type: none"> <li>– Pump test to accurately determine the amount and characteristics of landfill gas from two landfills.</li> <li>– Technical, financial, economic and environmental assessment of end-uses of the landfill gas.</li> <li>– Undertaking the necessary steps develop the carbon potential of both landfill sites.</li> <li>– To undertake a cost-benefit analysis and to develop detailed engineering and financing plans, and possibly the development of a joint venture business plan.</li> <li>– To initiate, to provide the necessary guidance and coordinate the level of environmental impact assessment (EIA) required for implementing the CDM project.</li> </ul>

<b>Poverty and social impact analysis on electricity tariffs in Ghana</b>	
Location	Ghana
Period	November 2003 – March 2004
Client	World Bank
Position	Project Manager and Team Leader (3 manmonths) of a multi-disciplinary team of seven international and local consultants
Description	<p>Technical assistance to elaborate a Poverty and Social Impact Analysis (PSIA) on electricity tariffs: (i) the efficiency of the current tariffs in protecting the poor by looking at the percentage of leakage and the percentage of poor with access; (ii) the likely implications of cross-subsidies on the financial viability of the utility in terms of whether a large percentage of customers are likely to drop into the lifeline category, either through reduced consumption or through corruption; (iii) the impact and behavioural responses to the large recent adjustments in tariffs and corollary impacts on access by the poor; and (iv) the winners and losers from potential changes in the sector structure.</p>

<b>Strategy for the World Bank's assistance to the energy sector in Ghana</b>	
Location	Ghana
Host	Ministry of Mines and Energy
Period	March 2003 – February 2004
Client	World Bank
Position	Project Manager and Team Leader (3 manmonths) of a multi-disciplinary team of six international and Ghanaian experts
Description	<p>The objectives of this technical assistance were (i) to provide a comprehensive review of the whole range of energy sector issues in order to inform the World Bank of its strategy with respect to engagement in the Ghanaian energy sector in assisting the Government in achieving its poverty reduction agenda and for energy interventions in various sectors, and (ii) to lay out the key issues and implications for the Bank's operational dialogue and work programme.</p> <p>Focus areas: 1) Power sector reform; 2) Petroleum sector reform; 3) Cross-border electricity and gas interconnections; 4) Energy and economic growth in rural Ghana.</p>

<b>Green Electricity for the World Summit on Sustainable Development, Johannesburg 2002</b>	
Location	South Africa, Johannesburg
Host	Department of Environmental Affairs
Period	April – September 2002
Client	Agama (South Africa), commissioned by US AID
Position	International Consultant.
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.

<b>Strategic National Energy Plan 2000-2020</b>	
Location	Ghana
Period	April 2002 – August 2002
Client	Danida, as employee of Ramboll Denmark
Position	Expert on integrated resource planning in the electricity sector (2 manmonths)
Description	Technical assistance to improve institutional capacity on integrated resource planning in the electricity sector

<b>Capacity Building in Renewable Energy and Energy Efficiency in Namibia</b>	
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 multi-disciplinary 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: <ul style="list-style-type: none"> <li>a) 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.</li> <li>b) 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.</li> </ul>

<b>Renewable energy independent power producers, South Africa</b>	
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 ten 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.

<b>Renewable Energy and Energy Efficiency in Namibia</b>	
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 multi-disciplinary 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.

<b>Swaziland national energy policy</b>	
Location	Swaziland
Period	February 2001 – August 2002
Client	Danida, as employee of Ramboll Denmark
Position	Electricity sector advisor (1 manmonth)
Description	In this technical assistance project Boldt was manager of the component 'Renewable energy independent power production in Swaziland.'

<b>The Darling Demonstration Wind Farm Project</b>	
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 ten 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.

<b>North East Arid Zone Development Programme</b>	
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.