



Is there money in African hydropower?



Funding and financing hydropower projects in Africa will be a special focus during the annual **Hydropower Africa** in Johannesburg in August which will be opened by the South African Energy minister Elizabeth Dipuo Peters. Some of the world's top hydropower experts will discuss the future of hydropower electricity generation in Africa during what is the only hydropower conference and exhibition on the continent where all the major stakeholders gather.

Potential of hydropower

"There is an enormous demand for information on the finance and funding of hydropower projects in Africa" says Nicolaas Loretz, **Hydropower Africa** project director, "especially given that the potential for hydro generation is great and that only 10% of the continent's potential has been realised. This is the ideal platform to give impetus to project implementation for small and large hydro projects".

Nicolaas Loretz continues: "We therefore have a special focus on investment opportunities with specialists from the World Bank and the African Development Bank and case studies from Zambia and Mozambique as part of our programme."

Minister's vision

"We are delighted that Minister Dipuo Peters will share her vision with us", says Loretz, "particularly to hear her views regarding the promotion of sustainable development, regional integration, water and energy security, and poverty eradication in Africa."

During a visit to Korea recently, the minister said South Africa can produce more than 43,000 megawatts of electricity but wants to increase this by using renewable energy sources like wind, solar and hydropower.

Programme highlights include:

Opening session:

- **Keynote address by South African Energy minister Elizabeth Dipuo Peters** Working together to unlock Africa's hydropower potential to promote sustainable development, regional integration, water and energy security, and poverty eradication in Africa
 - **Evaluating regulatory reforms to boost private investment for hydropower development in Africa** *Babu Ram, Chief Power Engineer, African Development Bank, South Africa*
 - **Highlighting investment opportunities, incentives and perspectives of the African hydropower generation landscape** *Vahid Alavian, Water and Hydropower Advisor, Africa Region, The World Bank, Uganda*
- ✓ **Hydropower Project Finance: Innovative funding solutions and partnerships for**
- **Kafue Gorge Lower project - case study** *Israel Phiri, Manager, Office for Promoting Private Power Investment, Ministry of Energy and Water Development, Zambia*
 - **Case study - challenges and successes in financing Mavusi and Chicamba hydro power plants** *Ildo Rufino Domingos, Generation Director, EDM, Mozambique*

- ✓ **Rural electrification and village hydro: Small hydropower in Uganda – current projects and future prospects** *Jimmy Omona, Hydro Mechanical Specialist, UEGCL, Uganda*
- ✓ **Engineering, process design and operation: Case study: Project Management of a large hydropower scheme and the interface between dam engineering and power engineering – Ingula case study** *Colin Logan, Director, GIBB, South Africa*
- ✓ **Environmental and social impact:**
 - Africa’s major water basins living side by side but not in “peace” and “security”** *Leonard Kassana, International Hydropower Consultant, Investment Climate Facility for Africa (ICF), Ministry of Infrastructure, Rwanda*
 - The World Commission on Dams - more important than ever** *Liane Greeff, Chair, EcoDoc Africa / African Rivers Network, South Africa*
- ✓ **Maintenance and refurbishment:**
 - Inga 2 hydropower plant – refurbishment update of unit 23** *Etienne Tshibangu, Project Director, SNEL, DRC*
- ✓ **Regional cooperation:**
 - Regional cooperation and cross-border trading for optimum output and sustainable performance** *Lawrence Musaba, Co-ordination Centre Manager, The Southern African Power Pool (SAPP), Zimbabwe*
- ✓ **Closing session:**
 - The changing future of the African energy mix and the growing need for hydropower**

Hydro expertise

Technology companies involved in large and small hydropower projects all over Africa that will share their expertise at Hydropower Africa 2010 include: MarelliMotori, Gibb, Knight Piesold, SSI, CMC, Artescan, SMEC, BKS and MWH. Eskom is the host utility and delegates will also go on site visits to the Ingula and Drakensberg pumped storage schemes in KwaZulu Natal; small hydro powerplants in Mpumalanga (Friedenheim and Lydenburg) and Inga in the DRC.

Event dates and location: 17-20 August 2010, Pre-conference workshops on 16 August, at Emperors Palace, Johannesburg.

Event website: www.esi-africa.com/hpa

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