

# Energy Awards '09

Banquet & Awards Ceremony 30 July  
2009



**SANEA**  
The South African National Energy Association  
Energy People Working Together



## **SANEA ENERGY AWARDS 2009**

### **Categories & Short-listed Candidates**

#### **SANEA Energy Project Award 2009**

##### **Kuyasa CDM Project**

The Kuyasa Project, the first CDM project to be registered in Africa and the first Gold Standard project registered anywhere in the world, is the realisation of the collective effort by numerous individuals and organisations over several years. These persons have shown tremendous dedication and selfless commitment to prove a point about thermal comfort and energy efficiency in favour of all future occupants of low income housing in South Africa. The impact of their work is likely to be felt by generations of South Africans for many years to come. Implementation started in 2008 and is currently nearing 50% completion. The sustainable model being proven in Kuyasa is providing leadership, innovation (through product, method and sustainable community-based ownership). It has drawn international recognition for the use of "suppressed demand" methodology. Kuyasa CDM project is a unique initiative involving local government (City of Cape Town), provincial government (Western Cape Housing Dept), national government (Dept of the Environment) and the private sector (South African Export Development Fund). This public / private partnership provides a fantastic vision of achieving sustainable levels of service delivery in one of the poorer urban areas of the city.

##### **Lorna Cook**

In January 2008 Lorna Cook, Head of SAP Africa's Global Ecosystem and Partner Group realised that while Government and Eskom were focussing on large industries and households there were thousands of small, medium and large companies that were continuing on a 'business as usual' path with no attempt to reduce their energy consumption. Cook immediately conceptualised a programme to drive SAP Africa's electricity savings internally through all branches throughout the country with the larger aim of rolling it out as a not-for-profit programme to all businesses in South Africa. Basing her idea on the well known 'Safety Officer' concept, Cook created the term and role description of a volunteer 'Energy Officer' i.e. any employee willing to take part in or drive an energy conservation programme within their own organisation in addition to their normal day-job. To prove the concept worked Cook sought and obtained approval to run a pilot project in SAP Africa.

Working in her private time Lorna was ready to launch the pilot by April 2008. Savings targets for each office location were determined and communicated and within 2 weeks 13 volunteer 'Energy officers' had signed on. The pilot has been successful in SAP and is ready to be rolled out to all businesses in South Africa. The aim is to create an army of volunteer 'Energy Officer' through the country and then to educate and enable as many volunteers as possible through a self-help website that publishes guides, best practices and success stories. The network of 'Energy Officers will provide a rapid response capability through these trained and committed individuals. This programme is currently being exposed to Business Unity South Africa and Business Leadership South Africa and it clearly demonstrates the ability of individuals to make a difference.

## **Cybernetics**

During the power crisis in the Western Cape in 2006 Energy Cybernetics and North West University enveloped and rolled out the Power Alert that is still seen on national TV every weekday evening. Where Power Alert was developed for the utility, Power Watch was developed for the end user. The e systems are unique in that they make energy use visible and understandable to the man in the street, although behind it are complex real-time data metering, communication systems, data bases, calculation engines, benchmarking, monitoring and targeting, measurement and verification, performance tracking and forecasting models.