

Program

Fact-Finding Mission South Africa

Energy Efficiency in Industry

Date: July 18th-21st, 2016
Location: Berlin (Germany)

Overview

The Renewables Academy (RENAC) AG is organizing a fact-finding mission on "Energy Efficiency in Industry" on behalf of the Federal Ministry of Economics and Energy and in cooperation with the Southern African–German Chamber of Commerce and Industry.

During the four-day trip, South African participants have the opportunity to learn about the current market situation of energy efficiency technologies in Germany in a mix of training lectures, meetings and site visits. The trip will be kicked-off with a networking event, including an overview of the current market situation in Germany and short presentations from expert speakers on energy efficiency. On the following days, participants will expand their knowledge and experience through practical trainings and visits of specific projects and companies.

Target Audience

The fact-finding mission addresses representatives from enterprises, public institutions, professional associations and research institutions who are interested in gaining knowledge about the development and implementation of energy-efficient projects and are interested in acquiring German equipment and services in these technology fields.

On the German side technology providers, system operators, service providers and consultants will have the opportunity to meet with the South-African companies joining the trip.

Programme

Sunday, July 17th 2016:

Individual arrival of participants from South Africa.

We recommend for the room reservation:

Motel One Hotel

Dircksenstrasse 36

10117 Berlin

Website: <http://www.motel-one.com/de/hotels/berlin/hotel-berlin-hackescher-markt>

18:00 Briefing and Get Together at the hotel

Monday, July 18th, 2016:

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| 09:00 | Registration of participants Venue: Renewables Academy (RENAC) AG, Schönhauser Allee 10-11, 10119 Berlin |
| 09:30 | Welcome and introduction of participants Christiane Vaneker <i>Project Manager Export Initiative, Renewables Academy (RENAC) AG</i> Jens Hauser <i>Manager SADC, Sustainable Energy Competence Centre Southern African–German Chamber of Commerce and Industry</i> |
| 09:45 | The German Energy Solution Initiative <i>Christiane Vaneker</i> Consultant on behalf of the Federal Ministry of Economics and Energy |
| 10:00 | Energy management systems in German industry - applications and practical examples <i>Prof. Dr. rer. nat. Thomas Bruckner</i> University of Leipzig, Institute for Energy Management and Sustainability |
| 12:30 | <i>Lunch Break</i> |
| 14:00 | Energy efficiency in Germany: Development and Potentials <i>Dipl. Ing. Max Weeber</i> University of Bayreuth, Institute for Energy Efficiency of Existing Production Facilities |
| 16:00 | Coffee Break |
| 17:00 | Train to Dresden |

Hotel: Motel One
Postpl. 5, 01067 Dresden

Tuesday, July 19th, 2016:

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| 09:00 | <p>Guided tour: Brewery Bergquell Löbau in Saxonia (tbc) <i>Steffen Dittmar, CEO</i></p> <p>The production facilities are energetically state of the art. In the brewhouse, the world's first "EquiTherm" was installed in 2010. The photovoltaic system on its roof is about 1250m² and has a capacity of 115,000 kWh per year. The brewery saves approximately 250,000 kWh of thermal energy per year. The KRONES AG was awarded the Bavarian Environmental Award Design for the successful development of EquiTherm in 2012.</p> |
| 11:00 | <i>Lunch Break</i> |
| 14.00 | <p>Guided Tour: Feralpi Stahl – Sustainable Steel Production <i>Matthias Schreiber</i></p> <p>In the field of steel production, environmental protection and energy efficiency at all levels enjoy top priority: it concerns the production facilities as well as all technologies as well as the management and organization in sub-companies. A dedicated environmental management system was established in 2007 in order to implement the guidelines specified in DIN EN ISO 14001:2004. The raw materials are recovered from scrap steel and the slag from iron and steel production plays an important role in road-building. This makes the company a significant pillar of the steel-recycling-process. The waste heat from the steelworks is used to heat the production lines.</p> |
| 16:00 | <p>Sight visit: Möve Frottana Textil GmbH & Co. KG</p> <p>Efficiency-measures carried out by Möve Frottana include the investment in a water-side heat exchanger system for the recovery of energy in the production cycle, a waste water filter to increase the effectiveness of the heat exchanger and the installation of photovoltaic panels for self-consumption.</p> |
| 18:00 | <i>Journey back to Berlin, Hotel Motel One, Dircksenstrasse</i> |

Wednesday, July 20th, 2016:

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| 10:00 | <p>Training Session on Energy Managements Systems <i>Skilsoftware GmbH</i></p> |
| 12:00 | <i>Lunch Break at a Restaurant near RENAC AG</i> |
| 14:00 | <p>Training in Financing energy efficiency measures/ economic evaluation of energy measures <i>Henning Harke, Project Manager Energy Efficiency</i> MsC. Industrial Engineering, Renewables Academy (RENAC) AG</p> |

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| 16:00 | Coffee Break |
| 16:00 | <p>ÖKOTEC Energiemanagement GmbH <i>Presentation of the methodology developed by ÖKOTEC in the field of energy management and energy efficiency controlling (EnEffCo)</i> <i>Carsten Ernst, Lead of Quality Assurance</i> <i>ÖKOTEC Energiemanagement GmbH stands since 199 for the successful development of smart solutions for reducing energy costs and is today one of the leading experts in energy efficiency and energy saving in industry.</i></p> |
| 17:30 | End of the training day |
| 18:00 | Berlin City Tour (if interested) |

Thursday, July 21st, 2016:

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| 7:00 | <p>Guided Tour: Central wholesale fruit and grocery Market Berlin – guided tour on Efficiency in Buildings and Logistics incl. Small breakfast <i>Andreas Foidl, Managing Director</i> <i>The energy concept of the BGM indicates energy efficient technologies how the energy consumption by electricity, refrigeration and heat consumption can be reduced. An energy management system coordinated all measures.</i></p> |
| 10:00 | <i>Journey to Mittenwalde with the bus</i> |
| 12:00 | <p>Sight visit Viessmann Industriekessel Mittenwalde GmbH <i>Mr. Stichert</i> Viessmann offers comprehensive system solutions that ensure an economical supply of steam to 120 tons per hour, heat to 120 MW, cooling to 2 MW, and power up to 50 MW. Given all energy sources can be used - fossil fuels, biomass and waste heat as well as heat from the ground or the outside air or the resulting waste heat from industrial processes.</p> |
| 14:00 | <i>Return to Berlin with the option to stop in restaurant</i> |
| 16:00 | <i>Evaluation & Feed-Back, Distribution of certificates</i> |

Translation

The trip will be accompanied by two German-English interpreters and simultaneously translated.

Contact

Consultant

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AHK

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