



شركة تنمية نفط عُمان
Petroleum Development Oman

Energy Efficiency: A Key Driver for Clean Energy Transition Executive Workshop

Date: 28-29 October 2018

Venue: Muscat- Oman

Currently, the Gulf countries face many challenges in the energy sector such as low energy efficiency, a chronic dependence on fuel subsidies and related high CO₂ emissions. To tackle these issues, the GCC countries are now embarking on a clean energy transition pathway, which targets a more sustainable, efficient and cost-effective methods for using energy.

Energy efficiency measures and technologies, including smart technologies and Smart Cities, can play a major role to reduce energy intensity and thus emissions. There are solutions available suited for small, medium and large-scale applications and that can be implemented in different sectors of the economy such as building and Industry. In addition, Energy efficiency provides significant co-benefits in terms of job/SMEs creation, revenue generation, interaction with research and innovation, increasing competitiveness and an improvement of companies' corporate images.

The EU-GCC Clean Energy Technology Network in partnership with the Petroleum Development Oman (PDO) organise an EU-GCC Workshop on Energy Efficiency, to take place in Oman, on 28-29 October 2018. The workshop will focus on solutions and methodologies for the Industry and building sectors.

The aim of the event is to foster partnerships by bringing together high-level stakeholders from the EU (European Union) and the GCC (Gulf Cooperation Council) to discuss Energy Efficiency suitable for the region, exchange best practices and lesson learned and advance collaboration between EU and GCC actors.

The workshop shall seek answers to the following questions:

- Which opportunities/options and challenges exist for energy efficiency at local and regional levels?
- What are the most convenient/suitable policies and regulations that can enable energy efficiency actions/projects?
- What are the drivers for investment in energy efficiency?
- What are successful business models to accelerate the introduction of energy efficiency technologies and measures? What role can SMEs and ESCOs play in the sector?
- Where does the money come from?
- Which key actions/recommendations should be suggested to promote collaboration between the EU and the GCC stakeholders?

The target audiences for this workshop include:

- Policy/ decision makers,
- Industrial & Building energy-users.
- Engineers, technicians and technology providers who work with energy-users to implement energy efficiency systems/concepts and digital technologies.
- Acadimicians, researchers and analysts examining energy efficiency trends, policies and concepts

The Network is funded by



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Draft Agenda/ Programme
Day 1: 28 October 2018

07:30-08:30	Registration and Networking
08:30-09:00	<p>Opening Remarks</p> <ul style="list-style-type: none"> • Raoul Restucci, Managing Director of Petroleum Development Oman • Taina Sateri, Trade Counsellor, European Union Delegation to the United Arab Emirates • Dr. Hilal M. Almukhaini, Director, Energy Department, GCC Secretariat General (tbc) • Mr. Frank Wouters, Director, EU GCC Clean Energy Technology Network
09:00-09:30	<p>Introductory session</p> <p>" The critical role of Energy Efficiency in a fast changing world", Costas G. Theofylaktos, Senior Energy Expert, EU GCC Clean Energy Technology Network</p>
09:30-10:45	<p>Session I: Leadership Panel Discussion on strategies and markets for energy efficiency technologies</p> <p>This session will focus on what is currently the best in class for energy efficiency strategies and energy transition</p> <p>Moderator: Dr. Abdullah S. Abri, Technical lead, PDO</p> <p>Panelists:</p> <ul style="list-style-type: none"> • H.E. Nasser Jashmi, Undersecretary of Finance, Oman • Raoul Restucci, Managing Director, PDO • Qais Zakwani, CEO, Authority for Electricity Regulation (AER) • Costas G. Theofylaktos, Senior Energy Expert, EU GCC CETN <p>Q&A</p>
10:45-11:00	Networking Break
11:00-12:15	<p>Session II: Strategies, Policies and regulations to promote EE technologies</p> <p>The session will focus on the policies and regulations that can be put in place to promote energy efficiency technologies and actions</p> <p>Moderator: Costas G. Theofylaktos, Senior Energy Expert, EU GCC CETN</p> <p>Speakers:</p> <ul style="list-style-type: none"> • EU/DG Energy (tbc) • "The Sultanate Gas Supply/Demand Management", Ibrahim Al Waili, Business Planning Manager, PDO • "Energy Efficiency in Oman: Current Trends, Efforts, and Opportunities" Bushra Al Maskari, Senior Policy and Strategy Specialist, AER • "A green City! Energy transition on the local level", Marc Elxnat, Head of Unit, Public enterprises, energy policies, mobility, public services in Europe and state aid law, German Association of Towns and Municipalities (DSTG), Germany • "The Benefits of Energy Efficiency Programs in Oman", Ridah Sabouni, Managing Director in the MENA region, Energetics • "Energy efficiency barriers and mitigation strategies" Moutaz Bakri Abdalla, Regional Manager – Middle East, ECONOLER <p>Q&A</p>
12:15-13:15	Session III: Business models and financing

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	<p>This session will focus on the different business models that exist for financing energy efficiency projects</p> <p>Moderator & Keynote speaker: Stephane LeGentil, Head of Energy Efficiency, ENGIE</p> <p>Speakers:</p> <ul style="list-style-type: none"> • “Unlocking the energy efficiency investments: European Initiatives and programmes”, Dr Haris Doukas, Research Collaboration Specialist, EU GCC Clean Energy Technology Network • “Finance-as-a-Service: We pay for your project so you can deliver it”, Charles Blaschke, CEO/ Co-Founder, Taka Solutions • “Etihad ESCO – An Easy and Reliable Financial Model for Retrofit”, Pradeep Kumar Singh, Manager – Business Development & Technical Etihad Energy Services <p>Q&A</p>
13:15-14:30	Lunch Break
14:30-16:00	Session IV: Energy Efficiency in Buildings and Advanced Cooling Technologies
	<p>This session will focus on what is currently the state of the art for energy efficiency technologies in buildings including cooling technologies</p> <p>Moderator: Birger Lauersen, Vice President, Euroheat & Power</p> <p>Speakers:</p> <ul style="list-style-type: none"> • “Reduce your buildings energy consumption Case Studies – EC fan upgrade” Marco Duarte, Business Development Manager, ebm-papst Middle East • “Reduce power consumption by using evaporative cooling”, Gerry Van den Eynde, Area Sales Manager, Baltimore Aircoil • “Nearly Net-Zero Energy Building: SQU Eco-House as a case study”, Prof. Abdullah Al-Badi, Professor, Electrical & Computer Engineering Department, Sultan Qaboos University • “Energy Efficiency in District Cooling”, Afif Saif Nasser Harhara, Vice President - Regional Asset Management, TABREED • “Novel functional paints towards a zero-emission, efficient and resilient buildings sector”, Francesco Favaro, CEO, Watergy International & Dr. Haşim Altan, Professor and Chair of the Department of Architectural Engineering, University of Sharjah • “Digital Roof Top Units”, Abdallah Mahmoud, Sales Director, Energy Solutions & Retrofit, Smart Automation Energy “SmartAE” <p>Q&A</p>
16:00	End of Day 1

Day 2: 29 October 2018

07:30-08:30	Registration and Networking
08:30-08:45	Recap of Day1
08:45-10:15	Session I: Energy management within Industry Sector
	<p>The session will focus on the actions and measures that can be put in place to promote energy efficiency in the industry sector</p> <p>Moderator: Dr. Mustapha Taoumi, Energy Technology Expert, EU GCC CETN</p> <p>Keynote speaker: Anne Le Guennec, CEO, Enova</p> <p>Speakers:</p> <ul style="list-style-type: none"> • “Industrial Energy Cost Savings through the Implementation of ISO 50001 Certification at the Areej Vegetable Oils & Derivatives Manufacturing Facility in Muscat”, Ridah Sabouni, Managing Director in the MENA region, Energetics & Imam Ergawi, Assistant Manager, Industrial Engineering & Energy Management, AVOD • “Energy Efficiency in Waste Water Treatment”, Younis Al-Rawahi, Design Engineer, BAUER Nimr • “Energy Efficiency in Industry – EU Policies”, Birger Lauersen, Vice President, Euroheat & Power • “Intelligent energy efficiency in industrial and commercial buildings”, Costas G. Theofylaktos, Senior Energy Expert, EU GCC CETN <p>Q&A</p>
10:15-10:30	Networking Break
10:30-12:00	Session II: Smart Cities, Smart Buildings and Digital Technologies
	<p>This session will focus on the different concepts and systems that exist for Smart Cities, Smart Grids and Smart Buildings</p> <p>Moderator: Dr. Firas A H. Al Abduwani, Founder and CEO HTC</p> <p>Speakers:</p> <ul style="list-style-type: none"> • “Saving energy in the smart way. How new technologies can help!”, Marc Elxnat, Head of Unit, Public enterprises, energy policies, mobility, public services in Europe and state aid law, German Association of Towns and Municipalities • “From Big Data to Smart Energy Services: Data Driver Energy Management Applications” Dr Haris Doukas, Research Collaboration Specialist, EU GCC Clean Energy Technology Network • “Smart Grids and solar roof top systems” Dr. Mustapha Taoumi, Energy Technology Expert, EU GCC CETN • “Using technology to transform buildings and cities”, Charles Blaschke, CEO/ Co-Founder, Taka Solutions • “Advanced Measurement and Verification (M&V 2.0) : potential, benefits and limitations” Hassan Younes, Director, Griffin Consultants <p>Q&A</p>
12:00-13:15	Networking Lunch

13:15-14:30	Session III: Panel discussion and roundtable on how to foster partnership between the EU and the GCC stakeholders
	<p>This session will discuss and identify specific areas of cooperation between GCC and EU to advance the implementation of energy efficiency programs and explore ways to move them forward.</p> <p>Moderator: Marc Elxnat, Head of Unit, Public enterprises, energy policies, mobility, public services in Europe and state aid law, German Association of Towns and Municipalities</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Dr. Abdullah S. Abri, Technical Lead, PDO • Birger Lauersen, Vice President, Euroheat & Power • Prof. Abdullah Al-Badi, Professor, Electrical & Computer Engineering Department, Sultan Qaboos University • Nerissa Deoraj, Director Technical and Regulatory Affairs, Eurovent Middle East • Brian Wood, Planning & Economics Director, OPWP Co • Pradeep Kumar Singh, Manager – Business Development & Technical Etihad Energy Services <p>Q&A</p>
14:30-14:45	Wrap-Up and conclusion
14:45-15:15	Networking Break
15:30-17:00	Session IV: PDO Majlis on Energy Efficiency
	<p>PDO Majlis is an executive platform that discusses emerging, technical and strategic challenges on selective themes including energy efficiency and demand management. The Majlis runs on a traditional sitting style and brings together thoughtful and distinguished, national and international speakers on the topic.</p>