

# The Energy Partnership between the UAE and Germany

## Power Sector Optimization: Opportunities and lessons learnt

### Expert and Industry Workshop

15 January 2018 - World Future Energy Summit

Location:

Capital Gate Hyatt Hotel, Mezzanine Floor

### Aim of the Workshop

The Emirati-German Energy Partnership, established in January 2017 between the Ministry of Energy of the UAE and the German Federal Ministry for Economic Affairs and Energy (BMWi), aims to promote dialogue between stakeholders from industry and the public sector of both countries. The Ministry of Energy of the UAE and the BMWi have the pleasure to invite interested participants to an expert and industry workshop on **“Power Sector Optimization: Opportunities and lessons learnt”**.

The workshop aims to bring together policy-makers, experts and business representatives from the UAE, Germany and other countries to discuss optimization of the power sector in terms of building synergies between different utilities and the creation of transmission system operators (TSOs) to ensure optimal utilization of the power grid. The discussion should focus on lessons learnt and opportunities explored in Germany and Europe and their potential application in the UAE. In particular, the role of regulatory and operational reform in enabling the power sector to achieve maximum utilization of variable renewable energy shall be discussed.

### Welcome Note

14:00-14:15	<p><b>Opening and welcome address</b></p> <p><b>H.E. Dr. Matar Hamad al Neyadi, Undersecretary, Ministry of Energy and Industry of the UAE</b></p> <p><b>Welcome address</b></p> <p><b>H.E. Rainer Baake, State Secretary, German Federal Ministry for Economic Affairs and Energy</b></p>
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## Keynote Presentations

14:15-14:30	<p><b>Keynote 1: The UAE electricity sector in transition: Project Synergy</b></p> <p><b>Speaker: H.E. Eng. Fatima al Foora al Shamsi, Assistant Undersecretary, Electricity and Future Energy Department, Ministry of Energy and Energy of the UAE</b></p> <ul style="list-style-type: none"> <li>• Overview of current UAE electricity sector structure</li> <li>• Introduction to and preliminary results of Project Synergy</li> </ul>
14:30-14:45	<p><b>Keynote 2: Transforming electricity markets to accommodate variable renewables: The German experience</b></p> <p><b>Speaker: H.E. Rainer Baake, State Secretary, German Federal Ministry for Economic Affairs and Energy</b></p> <ul style="list-style-type: none"> <li>• Germany's power sector structure and operation model</li> <li>• Changing requirements for electricity markets with increasing shares of variable renewables (liberalization, flexibility)</li> <li>• Cross-border and TSO cooperation in electricity systems</li> </ul>
14:45-15:10	<p><b>Keynote 3: Power system operation in Germany and Europe: A TSO perspective</b></p> <p><b>Speaker: Boris Schucht, CEO of 50Hertz</b></p> <ul style="list-style-type: none"> <li>• TSO cooperation experience in Europe</li> <li>• Challenges and lessons learnt for systems operation with high shares of variable renewables</li> </ul>
15:10-15:30	<p><b>Key Note 4: Grid Operation Optimization in Germany</b></p> <p><b>Speaker: Mr. Ricardo De Oliveira Barreto, CEO of Elia Grid International</b></p>
15:30-16:00	<p><b>Open Discussion between German Power Sector Experts and UAE Utilities on Power Sector Transformation</b></p> <ul style="list-style-type: none"> <li>• How can optimal power sector operation support sustainable energy policy goals?</li> <li>• How do power sectors need to be adapt to accommodate variable renewables?</li> <li>• What are keys to success for inter-TSO cooperation?</li> </ul>
16:00-16:30	<p><b>Networking Coffee</b></p>