



ENERGY SECTOR COOPERATION IN TURKEY

- **Dennis Holte Albertsen** (denalb@um.dk)
Growth Advisor, Danish Embassy in Ankara.
- **Fatma Alay** (fatmal@um.dk)
Junior Consultant, Danish Embassy in Ankara.
- **Jørgen Hvid** (jhv@ens.dk)
Special Advisor, Danish Energy Agency/Danish Ministry of Energy, Utilities & Climate.
- **Karin Ilsøth Rasmussen** (kra@fi.dk)
Special Advisor, Danish Agency for Science, Technology & Innovation/Danish Ministry of Higher Education & Science.

areas.

Matching Turkish challenges and demand with Danish competences

Turkey is a country experiencing a growing population and economy, both of which lead to increased energy demand. In addition the country is heavily dependent on imported energy sources – around 75% of energy needs are based on imports. This heavy dependency poses a potential risk in relation to security of supply and affects the trade balance as energy imports account for about 60% of the foreign trade deficit. It is expected that Turkey's total energy demand will grow by around 4.5%/year between 2015 and 2030. Fossil fuels make up around 75% of the country's energy consumption.

The current energy policy objectives of the Turkish government place key emphasis on decreasing the import dependency through increasing domestic supply and diversification of supply sources and routes.

During discussions with the Turkish Ministry of Energy & Natural Resources (MENR) an interest has been identified for assistance from Danish experts in developing relevant policies, strategies and solutions. The focus of this assistance would be on enabling a low carbon transition of the energy sector and achieving the government's long term objectives for renewable energy, energy efficiency and district energy. Cooperation areas include assistance in implementation of planned new legislation on heat supply, where Danish experiences will be shared on heat supply planning and on how to make energy consumption in heating and cooling more efficient. In the area of renewable energy, Danish experiences will be shared on how to enable a faster and cost effective expansion. Furthermore, the Danish Agency for Science, Technology and Innovation has initiated a similar dialogue with The Scientific and Technological Research Council of Turkey to collaborate on supporting joint research and innovation in these

Key activities

A Growth Advisor has been in place in Ankara since June 2015 and was in September 2015 joined by a local Junior Consultant. The local SSC team quickly plugged into and expanded the existing network, relations and knowledge of the Danish Embassy in Ankara and the Trade Council in Istanbul. Good working relationships were established with two specific departments at MENR. These are the departments of energy efficiency and renewable energy. In addition, meetings have been held with local representatives from a number of subsidiaries of Danish companies active within the area of energy in Turkey to gather valuable insights about challenges dealing with framework conditions. The meetings were carried out during the six fact-finding visits the Danish Energy Agency has conducted to Turkey.

During the entire process there has been continuing contact between the SSC team in Ankara and the one at the Trade Council in Istanbul.

Recently the drafting of the application for the SSC main project has been the main focus. In addition focus has been on obtaining acceptance on the interest within the area of renewable energy. The aim is now to get the application accepted by MENR and signed and approved during the months of July and August 2016. In case of renewable energy this might happen a little later but latest during the Danish State Visit to Turkey in October 2016.

Milestones, early results and main achievements by Mid-2016

A good dialogue with MENR has been achieved – especially with the department of energy efficiency. They have expressed a commitment to work with the Danish experts starting as soon as the status regarding renewable energy has been resolved. Furthermore the application for the SSC main project is rather advanced.

Partners: Turkish Ministry of Energy & Natural Resources and Turkish Ministry of Science, Industry & Technology/The Scientific and Technological Research Council of Turkey.

Status: Currently carrying out the SSC Preparation Project. SSC Main Project planned to be signed and approved during July-August 2016 with the following main focus: (1) Energy efficiency (incl. heat supply and district energy), (2) Renewable energy (low carbon transition), and (3) Research & innovation (across the previously mentioned sub-sector areas).

Expected Project period (SSC Main Project): Until May 2019.

Main private sector activities of relevance to the project: Involve relevant Turkish and Danish Industry Associations selected in cooperation with the Trade Council and participating Turkish and Danish ministries and agencies.