

Jordan goes Renewable

Wind and Solar at the centre of Jordan's new energy policy.

Following the trend in other Middle East Countries, Jordan is integrating a comparably large share of renewable energy capacity into their national grid, focusing on wind and solar. This process is a challenge for the relatively small national grid as the aim is to install over 1 GW of renewable energy, where the current total load is around 3 GW.

Therefore the National Electricity Company (NEPCO) is maintaining strict processes in order to ensure the newly installed solar and wind power plants will operate in accordance with the national grid requirements. In this context, a team of Lahmeyer International (Tractebel) and Tractebel Romania engineers is providing independent engineering services for the round one IPP for solar PV projects portfolio. This portfolio includes eleven projects with capacities of 10 to 50 MWp each and located in the Ma'an region.

In total, the capacity of the portfolio is almost 200 MWp. The services provided cover mechanical completion, certification for the projects and interconnection facilities as well as verification of plant commissioning, and testing including grid code compliance testing and Plant performance analysis. The services will be completed when all projects have received the Commercial Operation Date Certificate.

The priority of the services is to advise NEPCO and the project companies regarding



PV Plant Jordan.

project commissioning and testing, considering the grid code requirements.

Since these requirements are still under development it is also the independent engineer's duty to moderate the communication between all Power Purchase Agreement contract parties and to identify solutions for the projects to properly reach Grid Code Compliance.

By selecting an experienced project team, project progress has been accelerated and uncertainties, in particular with regard to grid code compliance, can be drastically reduced.

Jan- Henrik MEYER
Tractebel
jan-henrik.meyer@de.lahmeyer.com