



SOLAR CLUSTER BADEN-WÜRTTEMBERG

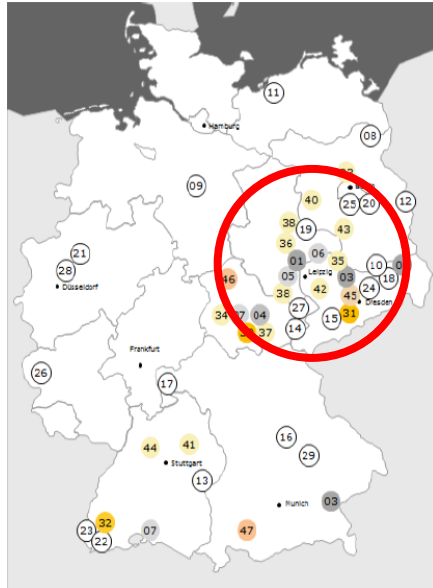
DIETER MANZ, CHAIRMAN

- Association of ~40 companies and research institutes from all along the solar energy value chain
 - Single point of contact for all solar-related products and services within Baden-Württemberg

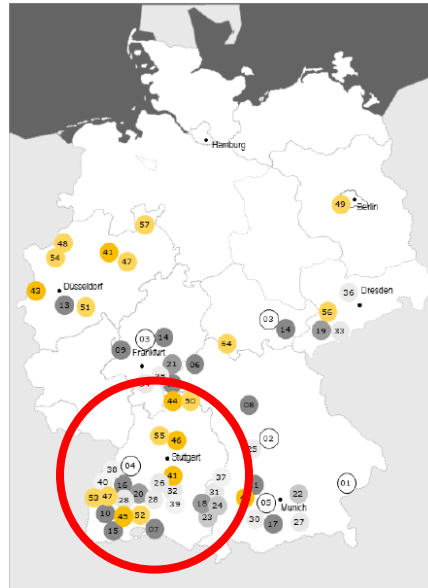


- The Solar Cluster Baden-Württemberg enhances and supports the positive reception of photovoltaics and other solar energies in the German public
- The Solar Cluster Baden-Württemberg supports the state government in achieving its goal of a 10% power supply from PV in 2020
- The Solar Cluster Baden-Württemberg is intent to particularly re-inforce the importance of solar power for the industrial development of a country, beside the environmental benefits of the technology
- The Solar Cluster Baden-Württemberg supports the development of the regulatory framework necessary to further grow renewable energies
- The Cluster activities aim to create a lasting and sustainable market for solar energy, on a basis of commercial competitiveness. It also fosters storage and grid integration technologies

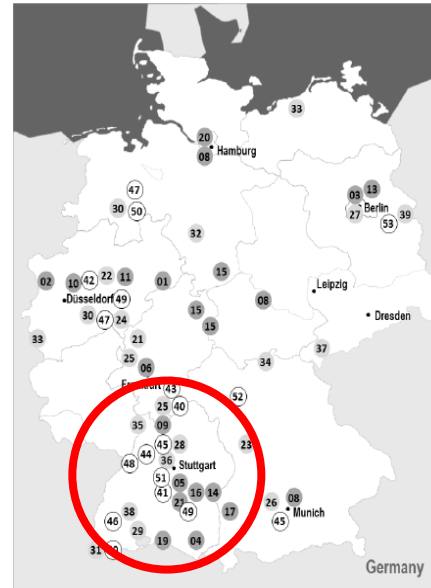
Focus Region Baden-Württemberg



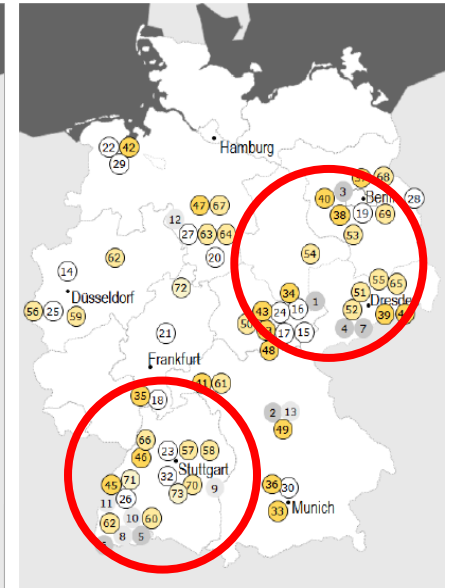
PV Module
Manufacturers



PV Equipment
Suppliers



PV System
Components



PV R&D

- Two focus regions in Germany: „Solar Valley“ in Eastern Germany and the Southwest = **Baden-Württemberg**
- Traditionally strong in R&D and equipment manufacturing

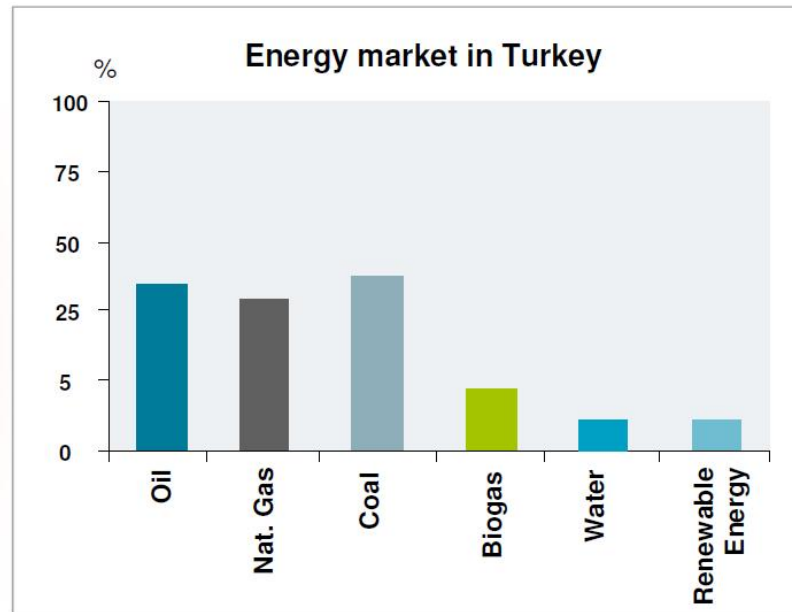
Source: German Trade and Invest

Members

As of September 2015

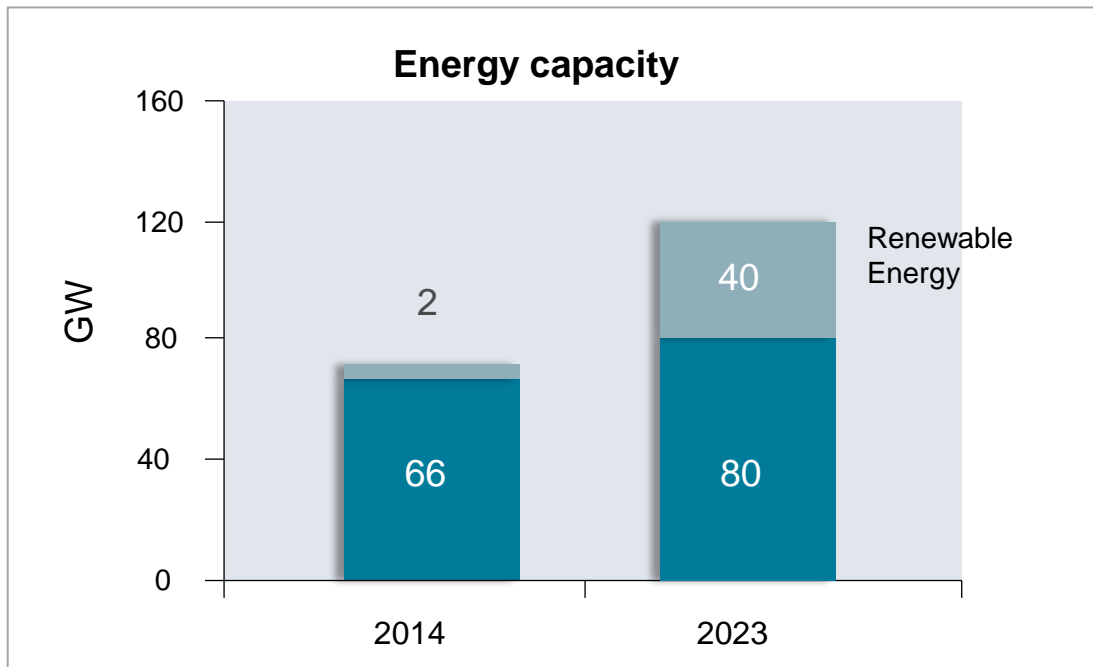


- Overall energy demand has increased by 78 % over the past 10 years and is expected to double in the next decade
- Turkey significantly needs to expand its energy capacity to meet the growing demand
- Energy market is growing, both as a regional energy transit hub and as a growing consumer market
- Until now energy market is based on conventional sources (oil, gas, coal)



Sources: Energy Minister Taner Yildiz, Int. Energy Agency, US Energy Information Administration

- To meet the future demand in electricity, Turkey is pushing renewable energy
- Renewables' share in electricity production is targeted to rise to 30 % in 2023
- The potential of PV power is one of the biggest in Europe



Sources: Sener Oktik, President of the Turkish Solar Energy Industry Association (GENSED)

* Clamps, modules, cells, inverter, tracker

The Business network of the Solar Cluster constitutes a shortcut to success for the Turkish Energy Transition!



- Energy transition is a very ambitious target. Its implementation bears many challenges
 - Turkey can take advantage of the outstanding experience of the solar experts of Baden-Württemberg
- Simplification of building up business relations
- Execution of feasibility studies for Turkish energy market
- Access to leading technology and know-how, based on more than 30 years of experience
- Access to an outstanding network of research institutes, manufacturers, equipment manufacturers, installers,...

Dr. Carsten Tschamber
Managing Director

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