



ENGINEERING  
EXCELLENCE



**Renewable Energy**





DEWA PV power plant Dubai, United Arab Emirates

# Renewable Energy



PV power plant



CSP power plants



Wind farms

## Fields of Expertise

- Extensive solar power project experience (PV & CSP) covering the entire value chain from prefeasibility studies to construction supervision
- Large scale projects management and execution experience
- Hybrid and Off-Grid Systems
- Projects in challenging terrain and climate conditions
- Geothermal plants, biomass combined heat and power plants, biogas plants, biofuel plants, wind farms and wave energy
- Technical assistance for wind and solar projects, renewable energy mix (PV, wind and CSP) in Morocco, Tunisia, Algeria
- Biomass-fired combined heat and power plant, Capacity: 27 MWth, 1.1 MWeI, Austria
- Solar Thermal power plant (technical and commercial due diligence for prototype), Germany
- 100 MW CSP power plant (technical due diligence), South Africa
- Wave Energy Solution (technical due diligence), Sweden

## Highlights

- Successful execution of utility scale PV projects in deserts
- Strategy consultancy for solar energy implementation up to 1,000 MW in accordance with national energy master plan
- Successful implementation of Hybrid and Off-Grid Solutions worldwide
- Experience with a broad range of clients: national governments, utilities, financing institutions, project developers, EPCs and private investors

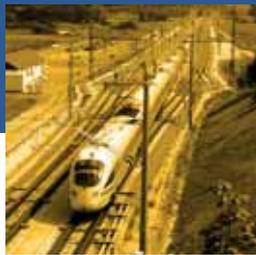
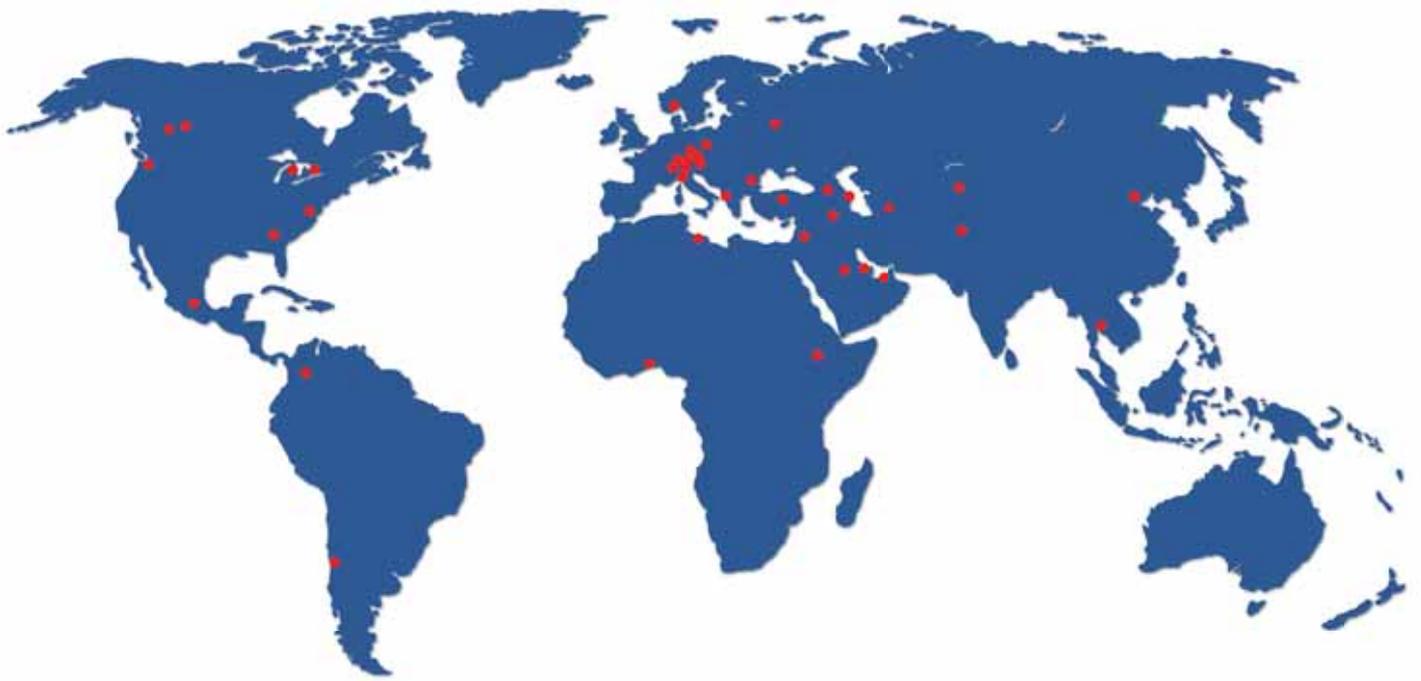
## Selected References

- K.A. CARE, Wind, CSP, PV (Project Development, Capacity Building), Saudi Arabia
- Sheikh Mohammed Bin Rashid Solar Park, 1,000 MW, CSP (Conceptual Design Study), United Arab Emirates
- 100 MW PV power plant Bahawalpur (EPC Bid Evaluation, Site Supervision), Pakistan
- 13 MW PV power plant (Owner's Engineer for DEWA), United Arab Emirates
- 4 MW PV-wind-diesel hybrid power plant Al Yassat Island (Feasibility Study, Owners Engineer), United Arab Emirates
- 3 PV projects totaling 50 MW (Preliminary and Detailed Design), Jordan

## ILF Services

ILF provides all services required for the successful implementation of renewable energy projects. These services include:

- Pre-feasibility assessment
- Feasibility studies
- Project appraisals
- Lender's engineering
- Owner's engineering
- Due diligences (technical and commercial)
- Project management
- Permit application design & land acquisition
- Planning and design
- Contracting and procurement services
- Construction supervision
- Plant commissioning
- Acceptance tests
- Performance ratio verification
- 3D-Simulations and visualisation



ILF Consulting Engineers (ILF) consists of several international and independent engineering and consulting companies. ILF offers international top-quality design and consulting services in the Oil & Gas, Energy & Climate Protection, Water & Environment, Transport & Structures sectors. Our clients rely on ILF's comprehensive capabilities and professional know-how that the company has acquired in more than 40 years.