

PHOTOVOLTAIC

Go Green is one of the most important goals that the entire world is trying to reach to reduce fuel consumption and fundamentally clean environment. Using Photovoltaic PV solutions is a crucial portion into accomplishing a healthier greener environment, especially in GCC region due to the availability of sunlight beam at the most time of the year.

In dusty environments, PV solutions faces a challenge since dust covers PV cells which negatively impact the overall efficiency of the system. In order to overcome dust challenge, **Siema** partnered with a German based provider that is specialized in developing self-cleaning PV cells systems thus ensuring efficient utilization of sun beam under any dust conditions.



PV technology can be employed in a variety of applications: Typical applications of PV technology include remote telecommunications, cathodic protection of pipelines, PV home systems, vaccine refrigeration, water pumping, grid-connected or building integrated systems.

What makes VISPIRON successful?

Diversity and innovation

VISPIRON is a German technology company founded in Munich in 2002.

As a group of companies, we offer innovative and sustainable engineering services.

Solar Powered Water pump System

What we offer: High quality, individually optimized, mid and largescale solar powered pump stations (> 50 kW) to perfectly satisfy all project needs and minimize the use of expensive fossil fuel

Who we are:

VISPIRON ENERGY provides efficient Solar technology and reliable EPC services

KSB provides high-quality Pump technology Fuji

Electric provides excellent controller technology

Solar pumping:

- Environmentally friendly
- Removing reliance on costly fuels and unreliable grid supply
- Easy installation and startup, high reliability and low operation and maintenance costs

Applications:

- Water extraction -- well fields, rivers etc.
- Municipal & industrial
- Agricultural -- Irrigation

Our solution:

A design according to all project and client demands such as water availability, Water demand, supply security, the available area for the Solar plant. The result is an operationally and costs optimized solar powered pump station.

Our product:

- All-In-One Solar pump station Designed to a logistic concept In standard containers.
- Project planning & management, Procurement of financial solutions and EPC services by VISPIRON ENERGY.

