CASE STUDY 7

Solar Resource Assessment, Egypt 2015

Customer: ENEL as part of the Benban project.

The solar station is designed for a complete resource campaign before the installation of a 50 MW solar farm.

What is being measured?

The global radiation is measured using a SR20 (secondary standard) pyranometer from Hukseflux with the VU02 heating and ventilation unit. Diffuse radiation is measured using the Hukseflux SR20 pyranometer installed with a shadow ring on a EKO STR22-G tracker unit. Wind speed and wind direction is measured using Thies First Class sensors. Temperature and humidity sensors from Galltec. Pressure sensor M276 from Setra.

The solar station is furthermore equipped with:

1. Autonomous power supply
2. Intelligent on/off system
3. Self supporting lattice mast to avoid shadows

Products used:

1. EOL Zenith data logger with GPRS communication and GPS tracking
2. Hukseflux SR20 pyranometers
3. EKO STR22-G Sun Tracker

Services offered:

1. Overall design incl. power supply
2. Complete installation
3. Commissioning

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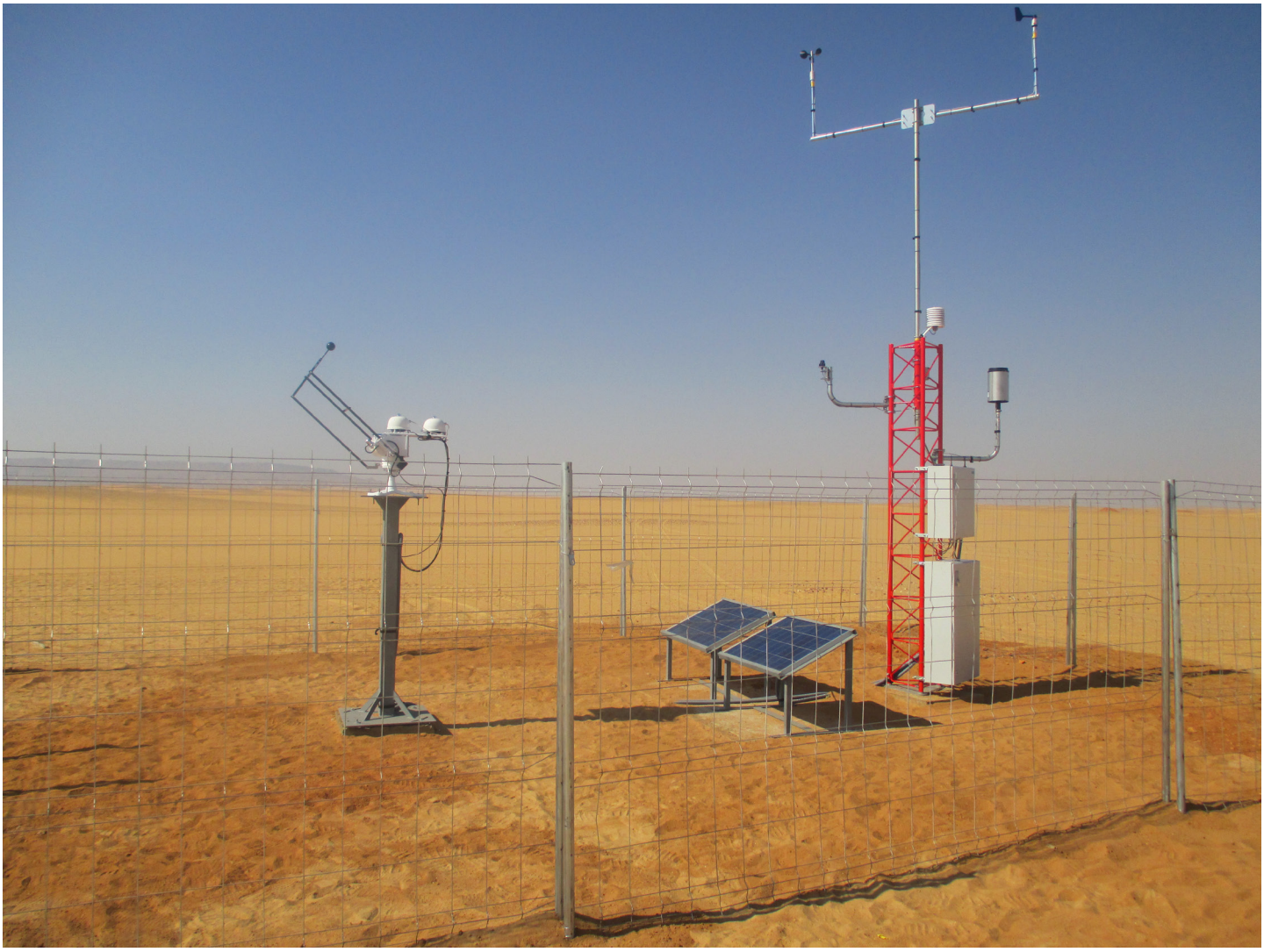

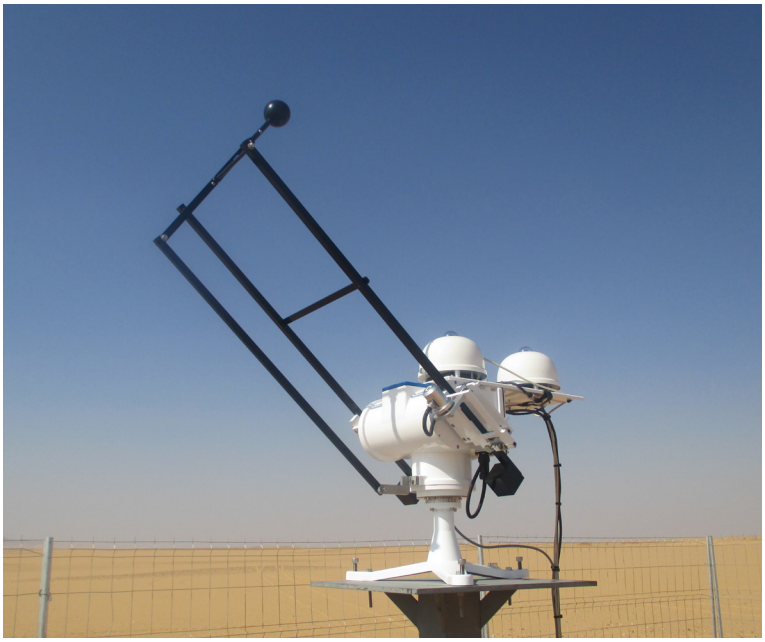

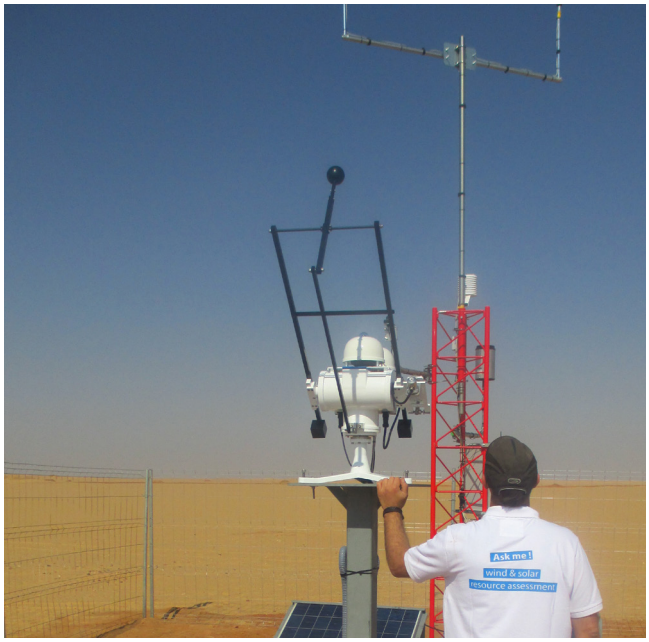

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