



DESIGN OF FOUNDATIONS FOR ENERCON WIND TURBINES

WIND PARK WITH ENERCON TURBINES

DESIGN: KANON CONSULTING (2008 to date)



Wind park with ENERCON turbines

In the rapidly growing market of wind turbines for renewable energy production, ENERCON GmbH, a German Company based in Bremen, is a market leader in this technology.

KANON CONSULTING has an exclusive agreement with ENERCON to perform the seismic analysis of the tower for any installation in Greece and Cyprus and to design the foundation for the towers, based on local geotechnical and seismic parameters.

Currently, twelve different turbine models are installed in various locations in Greece, with output capacity up to 3.0MW.

The largest of them has an 85m high tower requiring a circular foundation with a diameter ranging from 17m to 20m, depending on the soil condition and the seismicity of the site.

During the last 5 years more than 40 such foundation designs have been developed by our office.



Construction of foundation for a 85m high Tower for ENERCON E70 wind Turbine