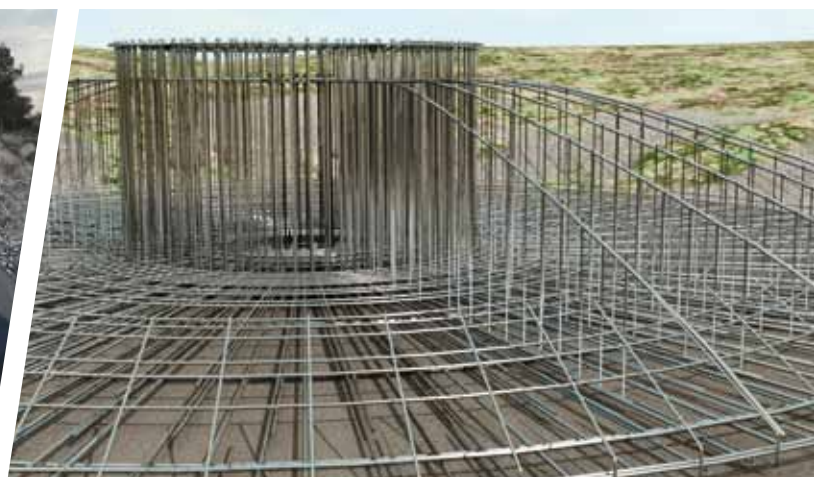
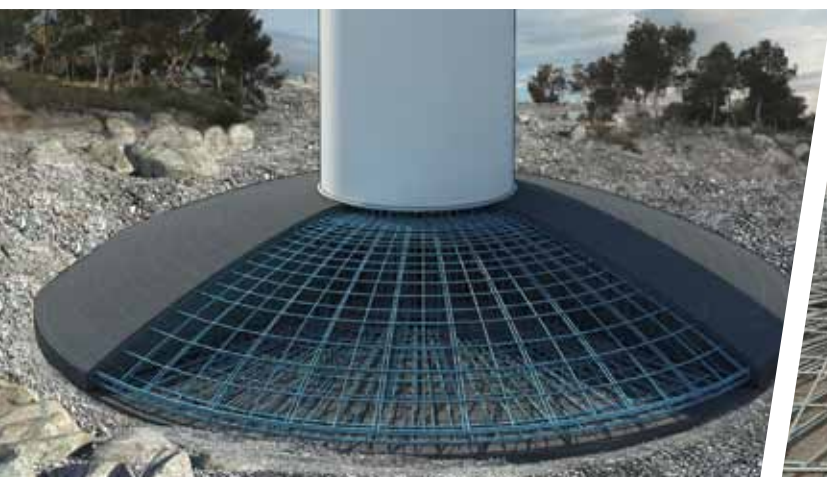




WIND TURBINE

FOUNDATION TECHNOLOGY

FOR ONSHORE WIND TURBINES



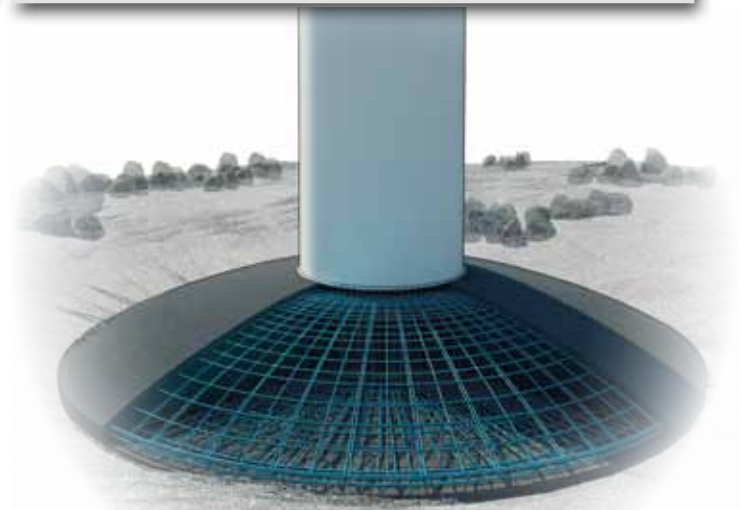
PEIKKO FOUNDATION TECHNOLOGY

Peikko's Wind Turbine Foundation Technology can be applied in onshore wind turbine foundations. The solution can include either components or components supported by design. In the Peikko solution the use of materials is optimized by the use of in-house produced components. This gives full guarantee of superior quality and reliability. Peikko's offering is flexible according to project requirements.

Peikko has been developing connection technology for concrete constructions since 1965. Peikko has 9 production units in Asia, Europe, the Middle East, and North America, and over 30 sales offices serving the global markets. Peikko employs over 1000 persons of which 150 are engineers. Peikko is a reliable partner for any kind of wind turbine foundation project.

PEIKKO'S OFFERING

Demanding schedules and high quality requirements in wind turbine projects can be met with Peikko's technology. Peikko's in-depth engineering know-how combined with an efficient sales and delivery network makes sure that the technology is available on time.



PEIKKO'S DELIVERY SCOPE

COMPONENTS

All Peikko Foundation Components are made according to project requirements. Our flexible production process makes sure that lead times are short for both standard and tailored products.

- Anchor Bolts
- Anchor Rings
- Template Rings
- Headed Studs for Shear Reinforcement
- Rebar Splicing

COMPONENTS SUPPORTED BY DESIGN

Peikko's Foundation Components can be supported by tailored design according to project requirements. The design includes optimization through all levels: structural requirements, manufacture of components, and construction on site. Peikko has a dedicated engineering team focusing on design for wind turbine foundations.



PEIKKO FOUNDATION SOLUTION

Unique feature in the Peikko Foundation is its rounded and sloped shape. The key element of the foundation is the Anchor Plate with Rebar Splicings. They ensure the best possible force transfer and easy assembly. Cost-efficiency of the Peikko Foundation is a result of effective use of materials (components, reinforcement and concrete) with reduced site assembly and construction time.

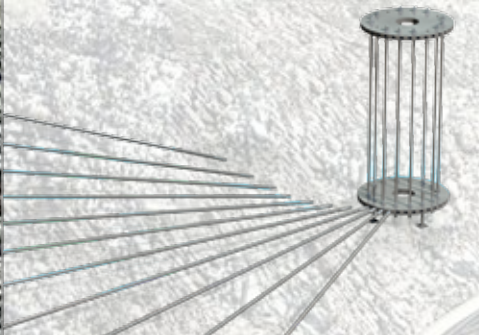
ANCHOR

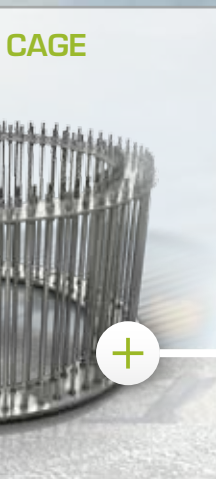


ANCHOR BOLTS



REBAR SPLICINGS AND ANCHOR PLATE





REFERENCES



Tervola wind park, Finland, 3 MW 140 m steel tower
- Foundation diameter 22 meters, total concrete amount 540 m³ and total reinforcement amount 52 tons Assembly time for one foundation less than one week



Muukko wind park, Finland, 3 MW 90 m tower



Mäkelänkangas wind park, Finland, 2 MW 100 m tower

Peikko's foundation technology has been successfully applied in various wind park projects around Europe.



Wind park near Ancona, Italy



Wind park near Kaunas, Lithuania



Wind park near Ancona, Italy



PEIKKO GROUP CORPORATION

Peikko Group specializes in concrete connections and composite structures since 1965. Peikko's offering also includes foundation and connection technology for onshore wind turbines. Peikko's foundation solution is based on its comprehensive knowledge and experience in the field of anchoring technology. Peikko foundations have been delivered to various wind energy projects in Europe.

Peikko has subsidiaries in over 30 countries worldwide and 9 production units in Asia, Europe, North America and the Middle East. The company employs more than 1000 persons. Peikko is a reliable partner for any kind of wind turbine foundation project.

www.peikko.com