



# ROCK FOUNDATION FOR ONSHORE WIND TURBINES





# ROCK FOUNDATION

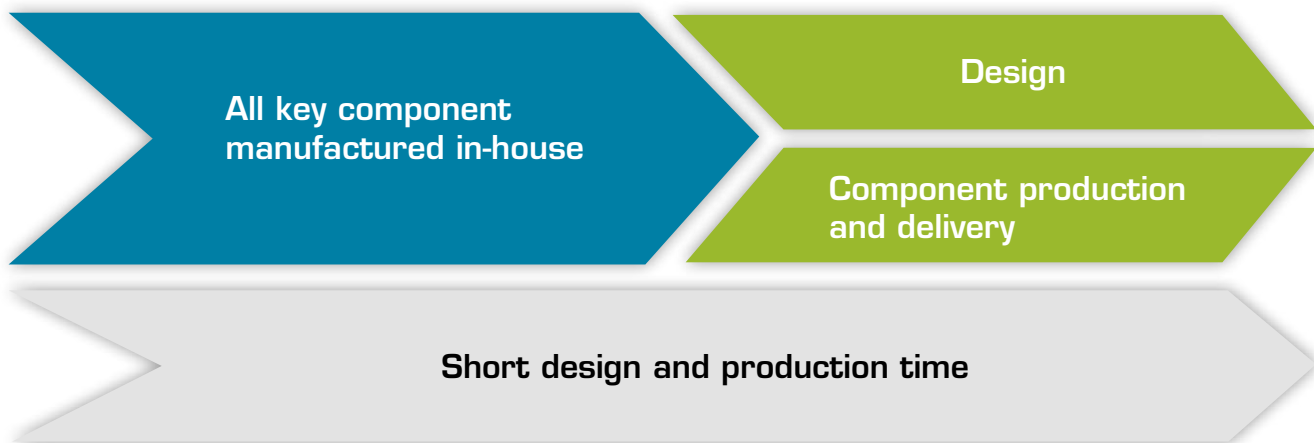
Peikko's Rock Foundation is state-of-the-art rock anchor foundation for onshore wind turbines. It can be used on sites where bedrock is close to the surface. Our approach integrates design, production, and assembly, and thus creates added value. The result is a safe, reliable, cost-efficient and easy-to-build foundation.

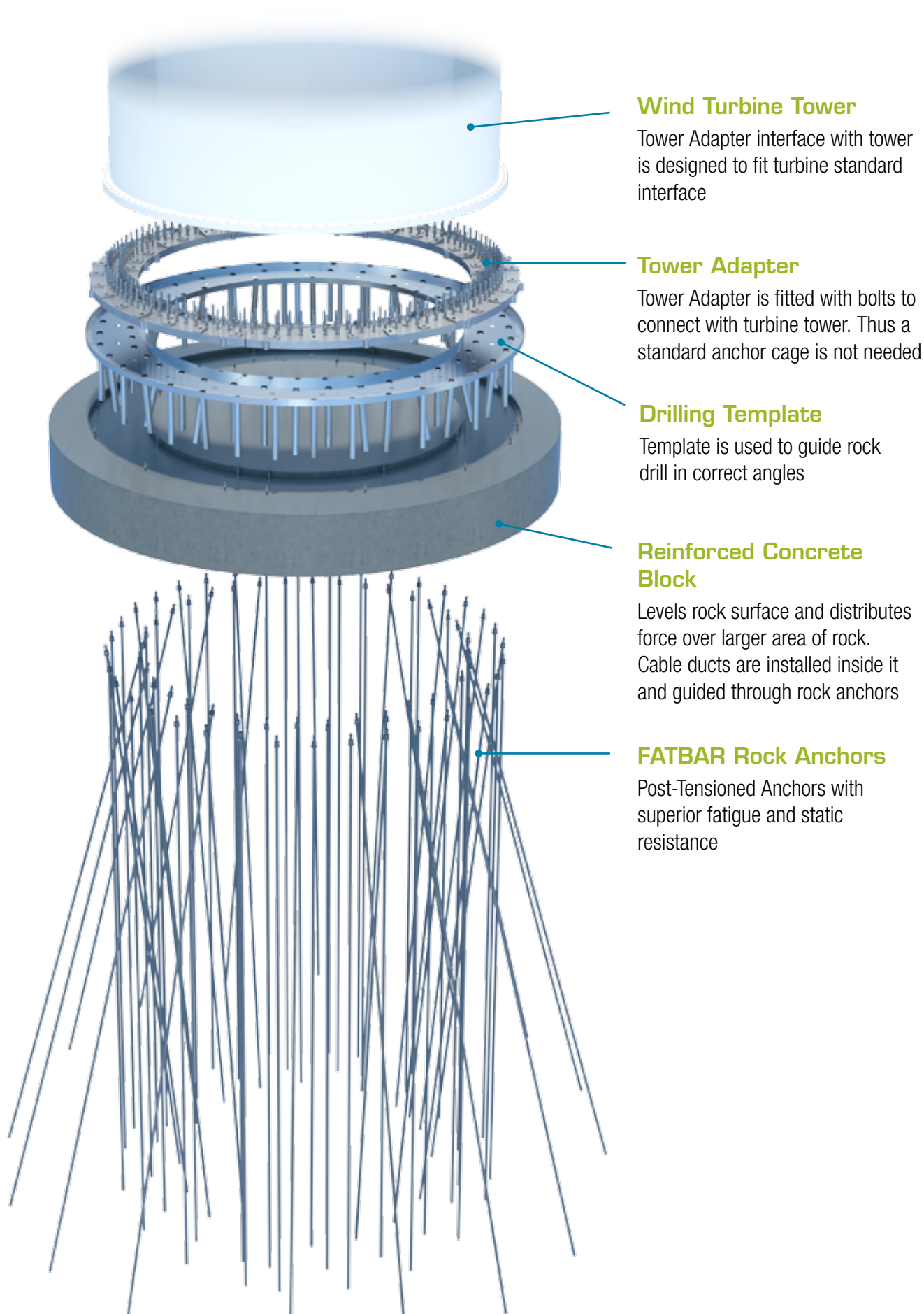
Demanding schedules and high quality requirements in wind turbine projects can be met with Peikko's technology. Our Rock Foundation together with our Gravity Foundation offers a full package for most soil conditions.

## DELIVERY SCOPE:

- Structural design, assembly instructions and quality control templates
- Component production and delivery
  - Tower Adapter with Tower Bolts, Nuts and Washers
  - FATBAR Rock Anchors with Nuts, Washers and Caps
  - Drilling Template
  - Reinforcement
  - Accessories – Earthing, Ducts, and Tower Bolt Caps
- Turnkey foundation delivery

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





### Wind Turbine Tower

Tower Adapter interface with tower is designed to fit turbine standard interface

### Tower Adapter

Tower Adapter is fitted with bolts to connect with turbine tower. Thus a standard anchor cage is not needed

### Drilling Template

Template is used to guide rock drill in correct angles

### Reinforced Concrete Block

Levels rock surface and distributes force over larger area of rock. Cable ducts are installed inside it and guided through rock anchors

### FATBAR Rock Anchors

Post-Tensioned Anchors with superior fatigue and static resistance

# REFERENCES



Saarenkyla Wind Park, V126-3.3 MW, IEC3A, HH 137m in Finland in 2015



Luhanka Wind Park, V112 3.3MW, HH140m in Finland in 2014

See YouTube video from  
Saarenkyla Wind Farm  
installation



[www.peikko.com/saarenkylavideo](http://www.peikko.com/saarenkylavideo)