

FOUNDATION CONSTRUCTIONS



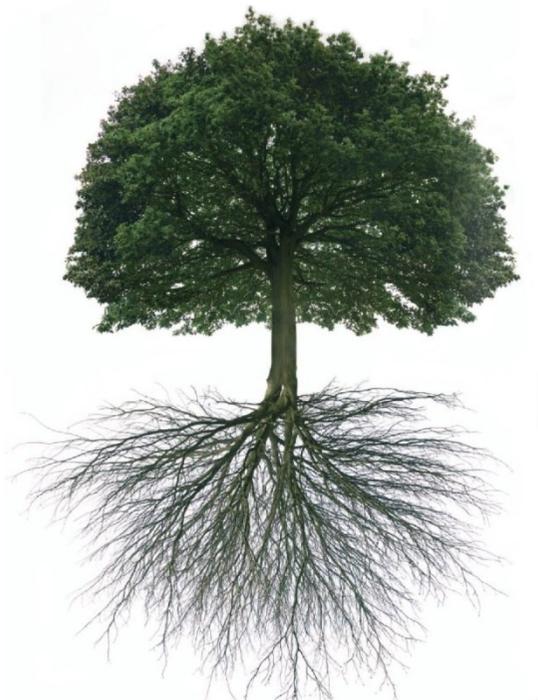
ANCHORING SYSTEM



WHERE WE CAME FROM

Spinnanker is a SME from Austria which was founded in 2012. Usually coming from the avalanche protection, everything started with the research for a solid foundation technique that can master the alpine region.

Trying to find the best foundation and anchor system for high loads and with no concrete, our search lead us to the rood system of a tree. Inspired by nature, an innovative technique has been created.



THE TECHNIQUE

The spider-shaped anchor consists of a circular anchor plate that is screwed into the ground with 6 or 12 threaded rods which are up to 26,25 feet long.

For a fast and safety installation you only need a hand-held turning machine.

For temporary use the rods can be deinstalled without having any enviromental impact. Overall the CO₂ foot print is very little.



FIGURES

The Spinnanker, which is protected by sev- several patents, can be used in cohesive and non-cohesive soil. Depending on these factors and various others, e.g. soil density, a different load-bearing capacity will occur.

The system mainly functions after the principal of surface friction. A single point can take up to 200 kN (44.962 lbs), multi foundation a multiple.

