

Project:

STEEL JACKET FOUNDATIONS

LOCATION:

Europe and Asia

YEAR:

2008-2012

CLIENT:

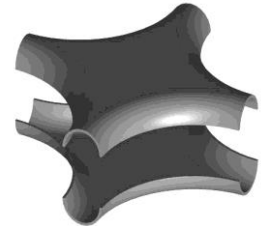
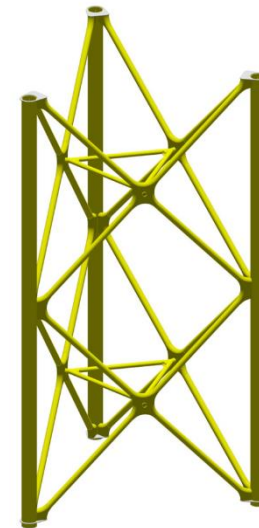
Vici Ventus Technology AS

SCOPE/PHASE:

Basic Design

PROJECT RESPONSIBLE:

Trond Landbø (tl@olavolsen.no)



Project description:

Olav Olsen have, together with Lyse and AF Group, founded the company Vici Ventus Technology AS with the objective to develop and promote steel jacket substructures for offshore wind.

For Vici Ventus Olav Olsen has developed the Space Frame Tower (SFT) steel support structures for 20-60 m waterdepth. The SFT is a 3-leg jacket structure with a special node design which makes it extremely efficient with regards to fatigue properties and material use. The jacket structure is built up from standard structural elements and is particularly suitable for cost-effective mass production using robots for welding and hot forming of nodes.

The jacket can be supported by different foundations such as a gravity base, skirt piled base, suction buckets and piles

