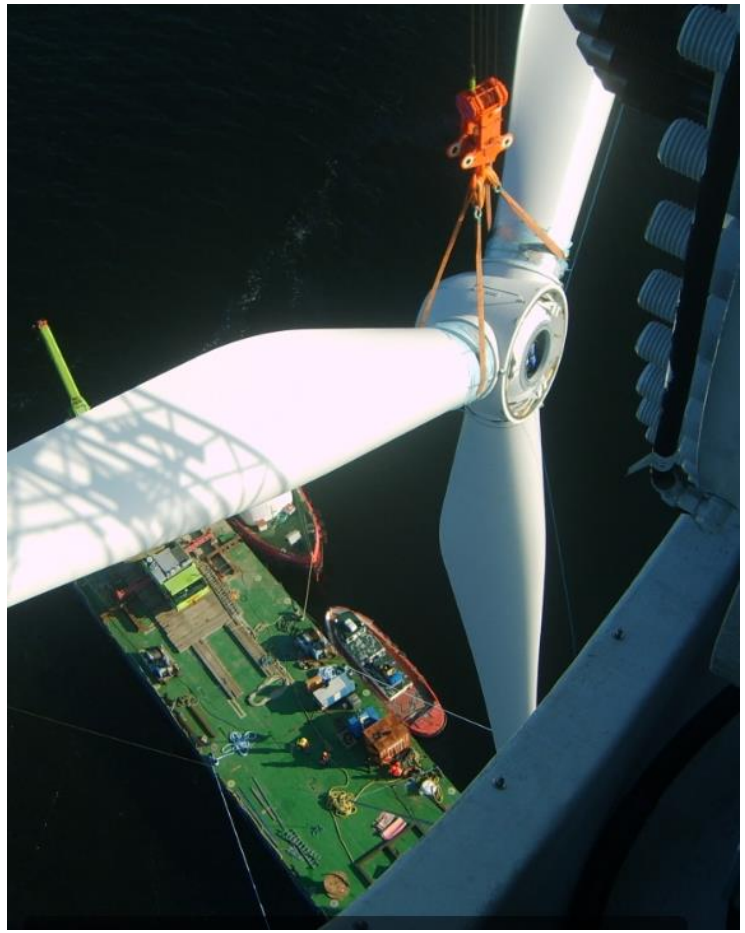
Key Information from Rewind Vänern AB

Project Stenkalles Grund– 2018

Rewind Vänern AB, owner and developer of project Stenkalles Grund

Key Information	
Location	Municipality of Karlstad
Area	Shallow water in Lake Vänern, 4-12 meters depth
Permit	Application granted Oct 2013, permit in legal force
Terms	Area permit, max 100MW and/or 20 turbines, max 185 meters tip height
Wind	7,3 m/s at 110 meters hub height
Wind analysis	StormGeo, EMD and internal
Production P50	Dependent on turbine choice, 300 – 350 GWh
Grid	Availability granted by Ellevio, grid connection agreement offered
Landowner	State of Sweden – no landlease
Construction, COD	2018 – 2019, COD Q3 2019
Other	Main infrastructure for installation on site in Vänern (crane, vessels and docks), synergies for O&M with existing wind park in Vänern

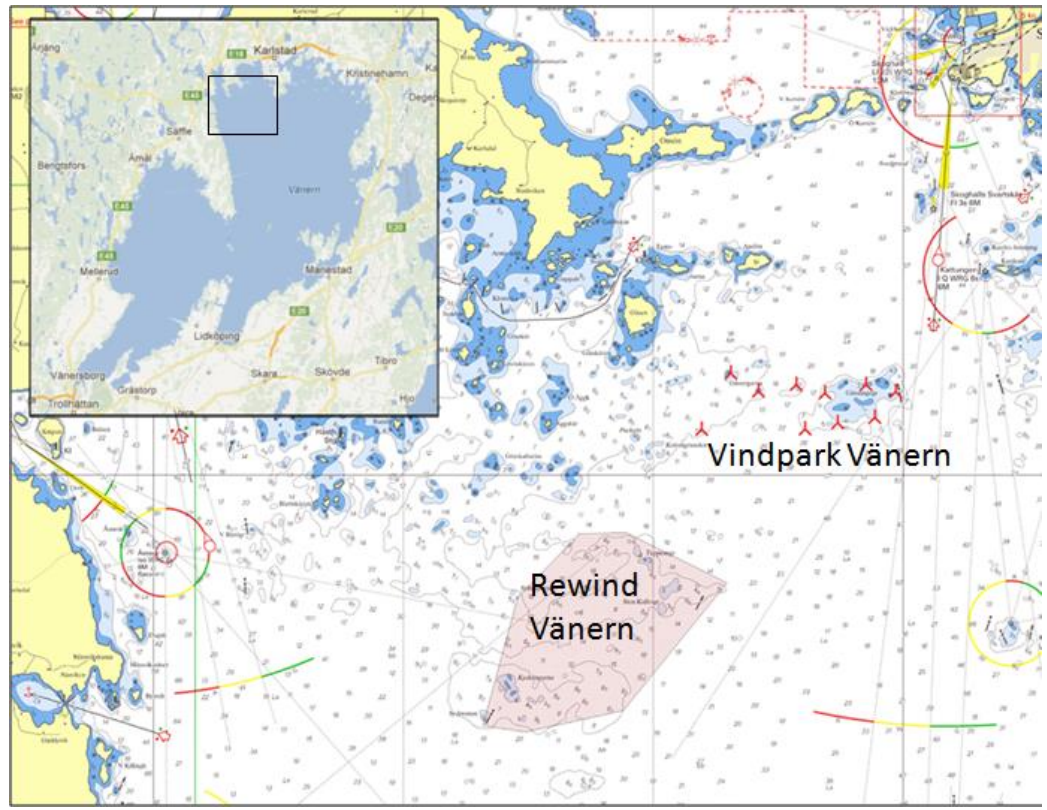


Stenkalles Grund and lake Vänern

Lake Vänern

- Lake Vänern in south Sweden is the largest inland lake in Sweden providing off shore or near shore conditions but location is in sweet water and low turbulence i.e. onshore turbines are suitable
- The area is within a prioritized area for wind power both from the municipality and state (Swe: Vindbruksplan)
- The sea bed of all lakes and sea are nationalised by the Swedish state, i.e. no land lease
- Depth to sea bed is between 4-12 meters for the permitted area and the sea bed consist of rock providing grounds for rock anchored foundations, alternatively tri pod jack ups
- Lake Vänern is within price area 3 which is a deficit area for power and has higher average prices than price areas 1 and 2 in Sweden
- In lake Vänern a project has already been constructed with 10 WTGs north, north west of Stenkalles Grund
- Engineering experience from Vindpark Vänern is utilised for the detailed planning with technical solutions for balance of plants
- Synergies for operations and maintenance in cooperation with Vindpark Vänern and running operations with local experience and competence

Placement in Lake Vänern



Project Development with use of top tier suppliers

- **Geotechnical studies conducted during 2015-2016 by Marin Miljøanalys AB**
  - Detailed seismic and georadar study of park area and cable laying areas
- **Balance of Plants studies and foundation design 2014-2016 by PEAB AB**
  - Full scope project development including layout specific foundation design – rock anchor solution
- **Alternative foundation technology offered by Marcon Wind AB**
  - Tripod jack up rig offering short installation time and less to none risk for adwerse weather conditions during installation
- **Grid study by Sweco and Bassoetech 2015**
  - Choice of cables, cable route and weighing down alternatives
- **WindTurbine delivery tendered by top tier suppliers**
  - Permit enables choice from the latest turbine and blade configurations offered in the 3-5 MW class

MARIN MILJÖANALYS AB

PEAB NORDENS SAMHÄLLSBYGGARE

MWP ett företag i MarCon gruppen

SWECO

BASSOE TECHNOLOGY

Captiva