



SIKA AT WORK

WIND PARK, ÅNDBERGET, SWEDEN

ENGINEERED REFURBISHMENT: SikaGrout®

BUILDING TRUST



SIKA SUPPLIES ENGINEERING AND TECHNICAL SUPPORT TO THE WIND FARM PROJECTS

PROJECT DESCRIPTION

Number of turbines:	53
Overall height (m):	180
Expected annual production (GWh):	800

The wind farm at Åndberget is located in an area southwest of Lillhärda in the municipality of Härjedalen in Jämtland County. The area has a highest point of about 760 m above sea level and is owned by Stora Enso Skog and Mark and a number of private landowners.

The plant will consist of 53 turbines with a total height of 180 meters (from ground to the highest point of the rotor). Annual production will amount to 800 gigawatts, which corresponds to household electricity of 160,000 villas.

OX2 and NCC are building wind power transmission with Sikagrout®-3350

During the summer and autumn of 2020, the casting of the foundations of the wind turbines were completed, as well as the completion of roads and internal cable networks. All 53 foundations have been grouted with SikaGrout®-3350, a high-performance onshore cementitious grout for wind turbines. During the winter of 2020, the distribution station inside the wind park was completed at the same time as the connection line was built and put in place.

Erection of the wind turbines will start in June 2021 and it is expected to finish in September 2021. In Q4 2021 the wind farm will start producing electricity according to schedule.



SIKA SOLUTION

Sika, together with the customer, chose a solution with the SikaGrout®-3350 onshore wind grout due to the high demands for pressure resistance from specification. The SikaGrout®-3350 is specifically designed for onshore wind turbine foundation.

Sika was also able to train staff on site, which was one of the most important reasons why this project could be implemented. Sika also had technical support on site and access to a laboratory environment so that the design solution could be tailored to the customer's needs and requirements.

Intended use

When undercasting bolt crown between the horizontal components and the tower. SikaGrout®-3350 is specifically adapted for the following concrete exposure classes: X0, XC 1-4, XD 1-3, XS 1-3, XF 1-3, XA 1-2, WA according to EN 206-1.



WIND PARK, ÅNDBERGET, SWEDEN

SIKA PRODUCT USED:

- SikaGrout®-3350 - 101,85 tons

PROJECT PARTICIPANTS:

Plant developer: Andberg Wind

Total contractor: AB NCC

Contractor: OX2

Material owner: Ardian

Supplier: Sika Sweden

Technical Support & Training: AB Sika



Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



SIKA SERVICES AG
Tueffenwies 16
CH-8048 Zurich
Switzerland

Contact
Phone +41 58 436 40 40
www.sika.com

BUILDING TRUST

