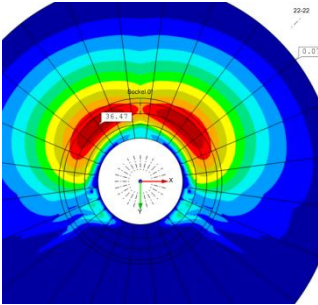


2023

NEWSLETTER

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HCE DESIGN GROUP



FOUNDATION FOR AN ENERCON E-160 EP5 E2 HH 120M TYPE-VERIFIED

WINDFARM VIERSEN-BOISHEIM – In recent years a lot of foundation constructions developed by HCE have been as model certified types. These include foundations for the V126, V136, 150 and V162 of wind turbine supplier Vestas with steel towers of different heights and different megawatt classes. The certification was carried out by TÜV Süd, Munich.

An optimized foundation design for an ENERCON E-160 EP5 E2 with a hub height of 120

has now been developed as part of the Viersen-Boisheim project.

Compared to the standard variant - 247 m³ of concrete and 47 tons of reinforcing steel were saved. In the meantime, a type approval has also been obtained for this variant.

Our customer will soon be using the optimised design in another project in Schwalmtal.



BUSINESS HCE POLAND Sp. z. o.o.

FW UJŚCIE – The wind farm with 18 wind turbines Vestas V100, for which we are responsible for the EPC-M with WPP, is completely finished. The wind farm infrastructure is ready for acceptance at the beginning of February. Work on the external cable route is in the final stage.

DUE DILIGENCE and CATEGORY 3 CHECKS - The demand for project assessments in technical terms remains high. Most recently, the Grajewo, Kępno, Juniewicze, Kraśnk and currently the Wysoka III project were checked in Poland. Internationally, we are currently assessing projects in Portugal, UK and Germany.

TMC – Our clients also rely on our technical know-how after construction. With our proven TMC methodology, we reliably measure and assess the condition of their foundation structure and provide them with targeted measures for repair. Current reference projects: Rusiec, Nidzica, Zörbig.

EVENTS 2023 - We are also a very active member of the German-Polish Wind Energy Club in 2023 and organise the following events for you:

Regular's Table on 16 of March and 15 of June, Summer Festival on 24 of August and the Annual Conference on 16 of November (all events in Poznań).



PLANNING OF THE INFRASTRUCTURE FOR 7 NORDEX N149 and 4 VESTAS V150

We are currently planning the infrastructure and foundation structures for the construction of 7 turbines Nordex N149 in Mecklenburg and the construction of 4 turbines Vestas V150 at 125 m hub height near the town of Nienburg in Lower Saxony.

The second project involves repowering. A total of 6 older wind turbines will be dismantled.

The planning of the road and crane pad areas as well as the cable routes is based on the existing

subsoil investigations, the transport studies, the specifications of the wind turbine manufacturers as well as the digital data on the topography.

The elaboration in 3D format enables a clear investigation and an optimised mass and cost management.

The 3D processing also offers advantages in the construction phase in the event of changes and in the final mass and cost calculation as well as cost accounting.

