

Eickhoff press release concerning „Innovations in the mechanical drive technology“

Eickhoff develops new gearbox platforms for its' longtime customer Senvion in less than 42 weeks

For wind turbine manufacturer Senvion, to many still known as “Repower”, a new gearbox platform for the 3 to 4MW rated power sector was developed. Due to the increased demands concerning the grid connection, Senvion decided to switch from the former DFIG-System (Doubly Fed Induction Generator) to a full power converter. The new NES (New Electrical System) turbine version requires an enhanced gearbox platform with higher ratios simultaneously accompanying a power increase. Despite strict specifications regarding costs, assembly and maintenance, Eickhoff was able to develop this new platform within an extreme brief development time. With a nominal torque up to 3245kNm it is the most forceful gearbox platform Eickhoff has developed for this customer. At this year’s “WindEnergy Hamburg” fair Eickhoff will present the newest platform gearbox EICOGEAR 3245 for the 3.4M 122 NES on its' exhibition stand B5/316.



Next to the Normal Climate Version (NCV), Eickhoff offers this gearbox as a Cold Climate Version (CCV) as well. Eickhoff is able to integrate a special cooling chamber into its' test bench in order to prove the on-load functionality of prototypes at up to -40°C. Therefore Eickhoff gearboxes may be installed in turbines at extreme low temperature sites.

About Eickhoff

Eickhoff delivers gearboxes for 2,0 to 3,5MW turbines to Senvion SE, Nordex SE, FWT Trade GmbH and eno energy GmbH. In 2015 Eickhoff's supply share of installed wind energy turbines with gearboxes totaled at 5% worldwide.

Since 2009 Eickhoff Wind Power (EWP) manufactures and assembles wind energy gearboxes in Klipphausen near Dresden. This site supports the Bochumer headquarters and was designed specifically for the wind energy sector's requirements. The available capacity allows the manufacturing of gearboxes up to 7MW. Globally Eickhoff gearboxes contribute more than 17GW installed power in order to generate renewable energy from wind power.

The Eickhoff Service team is available during the entire gearbox operating lifetime and supports our customers worldwide. Quality and reliability are of course paramount in our field work.