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## **Senvion installs first prototype of 3.6M140 EBC**

### **New turbine ensures optimised output and quick installation for moderate wind speed sites**

**Hamburg:** Senvion, a leading global manufacturer of wind turbines, has successfully completed the installation of the first 3.6M140 EBC (Eco Blade Control) turbine prototype at the Windtestfeld Nord near Husum, in Schleswig-Holstein, for 4testwind GmbH. The Senvion 3.6M140 EBC is one of Senvion's biggest onshore turbines designed for moderate and strong wind speeds.

The new turbine is equipped with the innovative load-reducing pitch control system Eco Blade Control (EBC) technology which enables optimized load management even in challenging wind conditions. The 3.6M140 EBC also features a newly designed steel tower and a larger rotor diameter of 140 meters which generates high yields even at lower wind speeds. The rotor blades are equipped with the new Rodpack technology which ensures a lighter blade design. At a hub height of 110 meters, the turbine can power up to 3400 households per year and has an extended lifetime of 25 years.

The Windtestfeld Nord, near Husum, is just three km away from the North Sea. This location offers the ideal wind conditions for the testing and the certification of the turbine.

**Jürgen Geissinger, CEO at Senvion, said:** "Senvion is committed to reducing the levelized cost of energy. With this new turbine, we have combined core product developments to create a machine that is targeted towards optimal energy efficiency. The combination of the 140 meter rotor diameter and the upgrade to 3.6 megawatts allows additional output at the same site. Even with the larger 68.5 meter rotor blades, the 3.6M140 EBC can be installed in the same amount of time as a smaller turbine, ensuring an effective solution for our customers."

The wind farm owner, 4testwind GmbH, is a co-development from the iTerra GmbH & Co. KG and Betriebs und Beteiligungsgesellschaft Senvion mbH.

**Dr. Peter Brodersen, Managing Director at iTerra Wind GmbH & Co. KG, said:** "Throughout this very demanding project, we have always been able to remain on track and keep focused together with our manufacturing partner, Senvion. Even the change to a newer type of plant was possible and despite all the adversities we were able to commission the prototype in time before the HUSUM Wind 2017. I would like to thank Senvion and all the others who have fought for the project. This determination and positive cooperation were the guarantors of success!"

Senvion presented the 3.6M140 EBC turbine at Hamburg WindEnergy in September 2016. Serial production for the turbine has already begun with further installations planned for this year.

Senvion is exhibiting at HUSUM Wind 2017 from 12 – 15 September in Hall 1 on Stand 1C07.

**About Senvion:**

Senvion is a leading global manufacturer of onshore and offshore wind turbines. The company develops, produces and markets wind turbines for almost any location – with rated outputs of 2 MW to 6.15 MW and rotor diameters of 82 metres to 152 metres. Furthermore, the company offers its customers project specific solutions in the areas of turnkey, service and maintenance, transport and installation, as well as foundation planning and construction. The Senvion systems are mainly designed in the major TechCenters in Osterröfeld and Bangalore and manufactured at its German and Portuguese plants in Bremerhaven, Vagos and Oliveira de Frades as well as in Żory-Warszowice, Poland and Baramati, India. With approximately 4,500 employees worldwide, the company makes use of the experience gained from the manufacture and installation of more than 7,500 wind turbines around the world. The company's operational subsidiary Senvion GmbH is based in Hamburg and represented by distribution partners, subsidiaries and participations in European markets such as France, Belgium, the Netherlands, the UK, Italy, Romania, Portugal, Sweden, and Poland as well as on a global level in the USA, China, Australia, Japan, India, Chile and Canada. Senvion S.A. is listed on the Prime Standard of the Frankfurt Stock Exchange.

**Senvion Press contacts:**

Immo von Fallois  
phone: +49 40 5555 090 3770  
mobile: +49 172 6298 408  
email: [immo.von.fallois@senvion.com](mailto:immo.von.fallois@senvion.com)

Stephanie Oxley  
mobile: +44 7534 260 998  
email: [stephanie.oxley@senvion.com](mailto:stephanie.oxley@senvion.com)

**Senvion Investor Relations contact:**

Dhaval Vakil  
phone: +44 20 3859 3664  
mobile: +44 7788 390 185  
email: [dhaval.vakil@senvion.com](mailto:dhaval.vakil@senvion.com)