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**WIND TURBINE WITH HYBRID TOWER COULD PRODUCE MORE ENERGY**  
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**BY NAW STAFF ON WEDNESDAY 19 NOVEMBER 2008**



One of the world's biggest wind turbines with a hybrid tower is being built at the wind test site in Grevenbroich, Germany. The tower combines a lower segment consisting of long, narrow pre-cast concrete components made by Netherlands-based tower specialists Advanced Tower Systems (ATS) and an upper segment made of conventional steel elements.

The turbine will measure 180 meters, with a hub height of 133 meters. The tower is being installed and will be operated by the ATS Projekt Grevenbroich company, in which juwi Netzwerk GmbH & Co. KG, Mecal Projects GmbH, HB Bau GmbH and Siemens Project Ventures are equal partners.

"This innovative tower enables a higher hub height to produce more energy at comparatively low overall cost. It's also light cargo," says ATS' managing director Frans Brughuis.

Compared to widespread hub heights of 100 meters, ATS' system yields about 20% more energy. The higher expense incurred during installation is recuperated within about four years, and maintenance costs are very low.

At inland locations with lower wind speed, that is particularly important, and it opens up new development potential for clean wind-generated power.

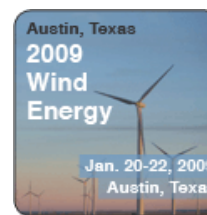
The various elements of the hybrid tower are designed to be easily transportable even to difficult locations, such as forests. The tower also stands out for its quick installation time and can be combined with different brands of components.

SOURCE: Advanced Tower Systems

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