

Vestas is launching three new MW-class turbines

At the HusumWIND 2003 trade fair, Vestas will be launching its very latest turbines: the V90-1.8 MW, V90-2.0 MW and V90-3.0 MW.

All three models have satisfactorily been subjected to a period of in-depth testing, which means that serial production of the turbines will start at the beginning of 2004.

With the introduction of the V90 models, Vestas has once again proved that the Group has the capacity to develop turbines that help to lower the cost price per produced kilowatt hour.

“There is no doubt that our V90 turbines will contribute to improving the competitiveness of wind power and thus be a major step towards achieving our vision of making wind power one of the significant sources of energy in the world,” says Svend Sigaard, President and CEO of Vestas Wind Systems A/S.

V90-3.0 MW

In introducing the V90-3.0 MW turbine, Vestas can present a range of innovative solutions which have once again moved the boundaries of wind turbine technology. For example, the new model features a ground-breaking nacelle design that sets new standards.

“As transportation costs are closely linked to the total weight of the turbine, we have followed unconventional paths in our search for a lighter nacelle. Our years of experience combined with innovation have once again paid off. For example, our new design eliminates the need for a conventional main shaft thus appreciably lowering the weight of the nacelle,” explains Svend Sigaard.

Nor has innovation been lacking in the area of blade technology. The 44-metre blades are the longest Vestas has ever produced, and the company has introduced new materials into the blade construction. In a number of areas, light carbon fibre components have replaced those traditionally made of fibreglass.

“This means that the 44-metre blades are lighter than their 39-metre predecessors. At the same time, the new blades feature an advanced aerodynamic profile that helps to minimise the loads on the nacelle and the tower,” continues Svend Sigaard.

In conclusion, reduced weight means reduced loads which results in improved efficiency.

V90-1.8 MW and V90-2.0 MW

The two other new turbines in the V90 range – the V90-1.8 MW and the V90-2.0 MW – have been developed by combining the further development of the well-known and thoroughly documented V80-2.0 MW turbine with the new 44-metre blade designed for the V90-3.0 MW turbine.

The launch of the 1.8 MW and 2.0 MW models complete the new V90 range, allowing Vestas to supply the best possible turbines for any kind of wind regimes.

The V90-1.8 MW and V90-2.0 MW are particularly well-suited to areas with modest wind conditions and are primarily intended for the markets of Central and Southern Europe.

“I am convinced that the market will respond very positively to these new turbine models – especially because all three meet the desire for an efficient way to more power,” concludes Svend Sigaard.

Yours faithfully,

Vestas Wind Systems A/S

Svend Sigaard
President and CEO

Please note that pictures of the three new turbines can be downloaded from www.vestas.com.

Any questions may be addressed to the Board of Management at Vestas Wind Systems A/S, phone +45 9675 2575.