

FASCINATION ROTOR BLADES

Rotor blades are the muscles of wind energy. Slender wings made of strong high-tech materials – technical masterpieces at the cutting edge of production technology. Built to keep on turning no matter what the weather.

We help you to keep them turning by through structural analysis and fault localisation, risk assessment and design improvement.

HMS Technology GmbH has worked with wings and rotor blades made of composite materials for more than 25 years. Our experience in aircraft manufacturing and materials research is basic for successful maintenance and improvement of wind power systems.

HMS Services: Blade Engineering

We are experts in composites. Our focus is not only in delivering outstanding design, but also in long-term material behaviour.

Ranging from Asset Risk Management to damage assessment, expertise in production strategies and advice to find the “right” development partner, we offer reliable and up-to-date engineering services. With our engineering expertise we support designers, producers, operators, banks and insurance companies.

SMART FROM EXPERIENCE

HMS (Berlin) is an aero-space technology spin-off. In the year 1980 HMS developed the first high performance motor glider the S10. Today, almost twenty-five years later, the S10 is still in production in its basic layout.

HMS – The experts voice

Aviation & Wind Turbine



In close cooperation with universities and industrial partners HMS has developed new and innovative engineering solutions involving advanced glass and carbon fibres. Extremely lightweight designs for racing vehicles, bikes made of carbon fibres, intelligent fibre interiors for high-speed trains - all part of the same success story.

Wolfgang Holstein, Dr.-Ing., astronautics and aeronautics, director of HMS Technology GmbH, has a long standing expertise in composite structures and in their appli-

cations that goes back many years prior to the foundation of the company.

Since 1992 Wolfgang Holstein has been working as a recognised expert for rotor technologies in the wind energy industry and heads the Berlin branch of the association of aviation experts (Verband der Luftfahrtsachverständigen). He is also a member of the advisory council of BWE (Bundesverband WindEnergie) and founder of the Initiative “Rotor Blade Quality”.

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