



MAGLEV chooses CMS for a revolution in the wind power sector

MAGLEV Wind Turbine, a company based in Arizona, presents a revolutionary system to produce wind power.

A megaturbine, having a totally new conception and technology compared to traditional blade windmills, exploits magnetic levitation in order to cut to zero the efficiency loss due to friction. The system is able to produce up to 1 Gigawatt of power in an extremely efficient manner (99% of the wind power is converted into energy) with very low production and maintenance costs.

In order to manufacture the first working models, MAGLEV turned to CMS, which lays claim to a well-established experience both in the wind power industry and, generally speaking, in manufacturing very large machining centres for working composite materials.

Maglev's and CMS's R&D departments have worked in a close relationship to implement an ambitious and innovative project.

The challenge they faced was the 5-axis machining on all sides of very large and extremely heavy parts, and their automated handling.

The final design by CMS met Maglev's complete satisfaction: the customer ordered an automated production line composed of two five-axis Poseidon machines plus an integrated and combined system for handling and flipping the parts. – September 2009