



Norvento Selects ANSYS for Renewable Energy Engineering Simulation

SOUTHPOINTE, Pa., Jan 26, 2010 (BUSINESS WIRE) -- ANSYS, Inc. (NASDAQ: ANSS), a global innovator of simulation software and technologies designed to optimize product development processes, today announced that Norvento Energía Distribuida, a renewable energy company in northwest Spain, has selected the multiphysics suite of software from ANSYS for enterprise-wide use in developing and optimizing renewable forms of energy. Norvento expects to leverage the coupled electromagnetic, thermal and structural simulation capabilities of ANSYS^(R) technology in developing the best designs possible.

One of the company's most significant recent projects is development of a new innovative wind turbine specially designed for distributed energy applications. "We determined that engineering simulation was the best tool for coming up with fast, effective and innovative designs," said Miguel Hoyos, technical director at Norvento Energía Distribuida. "For example, the ANSYS tools enable us to perform electromagnetic calculations of rotating electrical machines, thermal calculations associated with electromagnetic effects of the operation of the rotating electrical machines, and structural calculations that are mainly linear but for specific parts with high displacements. Simulation will help us arrive at the best design more efficiently and most cost effectively." Norvento chose an enterprise-wide approach so its various departments could easily share technology and collaborate on resulting data, coupling software for multiphysics analysis where needed.

"Wind turbine design stands to benefit greatly from the coupled use of ANSYS multiphysics software, since the platform can simulate various engineering aspects -- from aerodynamic analysis to structural and component design," said Ahmad Haidari, director, industry marketing at ANSYS, Inc. "With the addition of Ansoft electromagnetic products to the ANSYS suite, Norvento is able to optimize their wind turbine's electromechanical system, considering factors such as the electric generator, variable speed control system, transformers, power electronics, power distribution, and sensor and actuator design. The breadth of engineering solutions and depth of multiphysics technologies from ANSYS gives customers the tools they need to succeed in today's ultra-competitive environment."

About Norvento Energía Distribuida

Norvento is dedicated to the promotion, construction and operation of power plants that use renewable energy sources. The company has been a pioneer in the development of renewable energies in Spain, and currently it is the largest Galician energy group, considering factors such as installed capacity, creation of employment, volume of assets and profits. Norvento owns facilities in the fields of hydro, wind, biomass and solar energy, which have been designed to the highest technical standards and represent examples of sustainable performance in the implementation sphere. It also has allocated significant resources to R&D projects, including wave and geothermal power. In 2008, Norvento's facilities attained an output of 307,034 MWh, avoiding the emission of 184,220 tons of CO₂ to the atmosphere. For more information, visit <http://www.norvento.com/index.asp>.

About ANSYS, Inc.

ANSYS, Inc., founded in 1970, develops and globally markets engineering simulation software and technologies widely used by engineers, designers, researchers and students across a broad spectrum of industries and academia. The Company focuses on the development of open and flexible solutions that enable users to analyze designs directly on the desktop, providing a common platform for fast, efficient and cost-conscious product development, from design concept to final-stage testing and validation. The Company and its global network of channel partners provide sales, support and training for customers. Headquartered in Canonsburg, Pennsylvania, U.S.A., with more than 60 strategic sales locations throughout the world, ANSYS, Inc. and its subsidiaries employ over 1,600 people and distribute ANSYS products through a network of channel partners in over 40 countries. Visit www.ansys.com for more information.

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