

PRESS RELEASE

News in brief – Today, environmental sustainability is more of a duty for companies than ever before. We have known this for years in the Varvel Group, and confirm it for 2020. This year too, we have chosen to use certified energy from renewable sources to cover 100% of our production requirements.

The Varvel Group chooses renewable energy

The choice of a company that looks to the future: the use of certified energy from renewable sources to cover 100% of production requirements

Valsamoggia (BO), 30 January 2020 – For 2020 too, the Varvel Group is investing in clean electricity and choosing to obtain certified energy from renewable sources. For us, running a company means knowing how to combine economic and environmental sustainability.

By purchasing Guarantees of Origin (as defined by Directive 2009/28/EC), European tracking instruments which guarantee that energy used in manufacturing activities comes from 100% renewable sources, we can certify our energy supply for the year 2020. By using only clean energy, the Varvel Group is significantly reducing the CO₂ normally emitted by mechanical engineering activities. Our confirmation of our purchase of Guarantees of Origin is just one of the major initiatives we are taking to help combat climate change. Varvel began leading the shift towards more sustainable energy models at the start of the millennium by adopting an “Environmental Management System” certified to EN ISO 14001.

In 2010 we installed a photovoltaic system that covers our entire production plant and generates around 200,000 KWh/year of clean energy, reducing our emissions and our consumption of fossil fuels. This eco-friendly policy is becoming increasingly important now that PM10 limits are regularly exceeded in the Emilia-Romagna region.

After sixty-five years of activity in the power transmission sector, our role as a responsible company also requires us to help build sustainable communities. Our gearboxes are used even in the renewable energy sector, particularly in wind turbines and photovoltaic tracking systems. Our respect for the environment, our commitment to reducing waste and our research into alternative energy sources is expressed through the design of high-tech solutions for the renewable energy industry.

Over the years, working closely with leading manufacturers around the world, we have acquired and consolidated a vast experience in the production of gearboxes for wind and photovoltaic energy generation and storage. We have developed worm gears for blade pitch control and for the movement of solar panels. In the wind sector, Varvel worm gearboxes are also connected to the planetary gearboxes that govern nacelle yaw, and permit continuous functioning even in strong turbulence and gusty conditions. Wind turbine parks are located in areas subject to highly variable wind direction and nacelles therefore have to be re-oriented frequently. These maneuvers are potentially critical but can now be completed safely and efficiently thanks to repeated testing in the laboratory and in the field. In the photovoltaic sector, it is essential to constantly adjust solar tracking angle as this improves output from the installation. Varvel worm gearboxes can be used to achieve the so-called “sun-flower effect”, allowing solar panels to “track” the sun and ensure maximum solar irradiation, boosting system output.

For us as a responsible company, investing in clean energy again in 2020 means continuing to make an important contribution to the sustainability objectives of the UN's 2030 Agenda. But our commitment to excellent energy management and to research into increasingly efficient solutions for the development of renewables does not stop here. We are determined to continue with our virtuous project to safeguard energy resources and to achieve greater awareness and understanding of our shared responsibility as a company.

VARVEL GROUP

The Varvel Group has been designing and producing power transmission systems for various industrial applications (like packaging, livestock feed systems and access automation and control) and for innovative applications like wind turbines and photovoltaic fields since 1955. With unrivaled experience accumulated in over sixty years of activity, a production capacity of over 500,000 gearboxes a year and a turnover of around 50 million Euros, Varvel offers customers a vast range of standard products and custom solutions for specific requirements. The entire product range is designed and made in Crespellano, near Bologna in northern Italy, where Varvel has its HQ. The company exports 70% of production through two subsidiaries (one in the USA and another in India) and a global network of over 100 commercial partners. Further information is available on the website www.varvel.com

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