



# WIND POWER SECTOR

Presentation & Projects



# ABOUT US

360 Zolutions is a company specialized in customized surface treatment solutions at competitive prices, granting high quality and a first-class service.

With more than 15 years of experience dedicated to the analysis, design, manufacturing and implementation of installations worldwide, we are able to develop tailor-made solutions covering a wide range of products from the most simple spray booth up to the most challenging and complex surface treatment project.





# RENEWABLE SECTOR IN NUMBERS

10+

Years of experience

35+

Projects in collaboration with our  
partners

10+

Countries

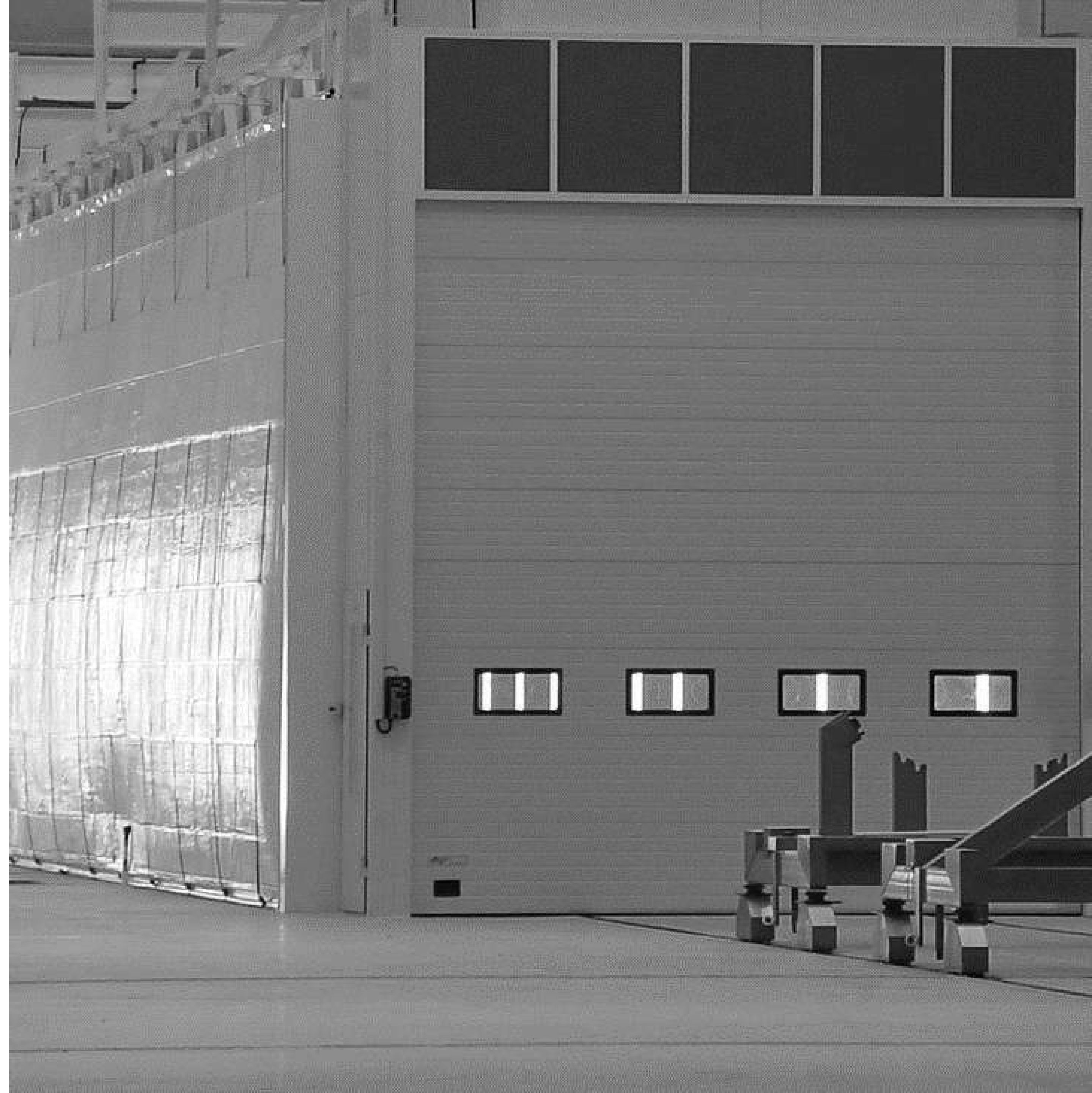
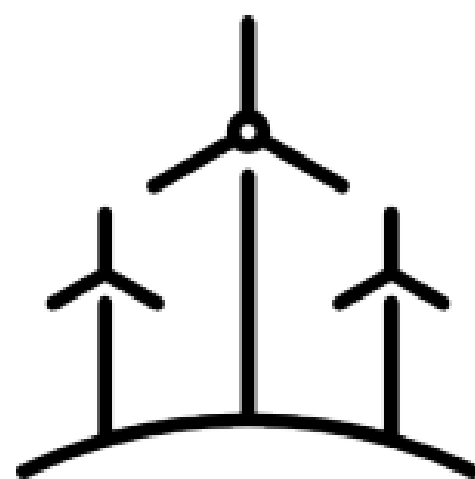




# RENEWABLE ENERGY

We implement complete processes for metallic coating of support elements and parts, painting of the blades, nacelle-protection, solar panels...

After 15 years in the wind energy sector alongside with reference companies in Europe, we managed to robotize the process of blade-painting, thus minimizing overspray, optimizing the trajectories and reducing the cycle runtimes for each part and variant whilst adapting to the characteristics of the product applied (viscosity, time for drying, thickness and number of layers...).



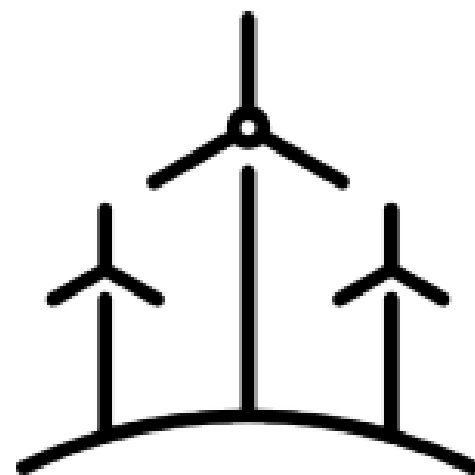


# RENEWABLE ENERGY

We have a thorough understanding of the challenges involved when preparing and applying coatings to wind turbines and our unique approach offers quality results and faster production rates.

With this in mind, we can include controls that adjust the airflow to suit spraying, flashing off, drying or empty situation. We also monitor for the presence of personnel in the paint booth and control the lighting accordingly as well as monitoring the filter condition and indicating when it requires replacement.

Our equipment may include an air recirculation system to significantly reduce your heating costs.





# QUALITY RULES

Quality Assurance Management according to **ISO 9001** standards regarding the performance of design, manufacturing and assembly.

Furthermore and in general terms our installations comply with the following **guidelines**:

- Directive 2014/35/UE: Low Voltage Legislation: Low Voltage Directive (LVD)
- Directive 2014/30/UE: Electromagnetic Compatibility (EMC)
- Directive 2006/42/CE: Directive on Machinery.
- Directive 2011/65/EU RoHS II (Restriction of Hazardous Substances)

Through the implementation of the following **Harmonized Technical Standards**:

- EN 13355: Coating plants - Combined booths - Safety requirements
- EN 12100: Safety of machinery - Basic concepts, general principles for design
- EN 61000-6-4: Electromagnetic compatibility (EMC). Emission standard for industrial environments.
- EN 61000-6-1: Electromagnetic compatibility (EMC). Immunity for residential, commercial and light industrial environments.
- EN 60204-11: Safety of machinery - Electrical equipment of machines





Tailor made paint booths for the renewable enery sector





Our booths are designed to adapt with your working process





Painting cobots to reduce application time and overspray







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