

#### **SUMMARY:**

- TECADE CORPORATE: LOOKING TOWARDS THE FUTURE
- TECADE AND SUSTAINABILITY
- TECADE: NEW MACHINERY

TECADE is well known because of its national and international level interventions and we have achieved a high standing on the latest years. That is the consequence of dedication and the evidence that a good teamwork fulfills greatest results. We work hard on resources optimization. It's not enough having economic results, we want to go further and we consider the impact of our actions around us, especially on our employees, the society and the environment.



#### **TECADE CORPORATE: LOOKING TOWARDS THE FUTURE**

### XXL monopiles: This overall trend of the sector

Over the past year there has been a growing interest among industry suppliers and developers for supersize monopile foundations - the so-called XL and even larger and heavier XXL types.

Monopiles are by far the most popular offshore foundation type, with their ease of manufacture making them a cost-effective solution for turbine sizes up to about 5MW in water depths as deep as 30 metres. Until recently, most offshore wind experts expected the future for foundations of large turbines built far from shore in deeper waters to be dominated by steel jackets.

The experience of manufacturing increasingly larger monopiles has been reported as very positive, raising confidence in the prospects for even bigger sizes. The dimensions and weight of the XL cylindrical piles already represent a formidable supply chain challenge in terms of adapting manufacturing processes to meet the shifting demand.

Monopile foundations have long been the mainstay of offshore wind turbines. Now, with current trends toward larger turbines and deeper waters, the latest XL and XXL monopile designs are bigger than ever.

Tecade has the facilities, machinery and the know-how to build this XXL Monopiles. We have always the intention to adapt ourselves to the sector requirements so we buy new machinery, adapt our equipment to the sector requirements and keep our team trained day by day.





# **TECADE & SUSTAINABILITY**

### **TECADE**, more and more aware of the environment

Tecade has a Well coordinated team and Well equipped and we are really meticulous in maintaining the Quality of our procedures, rigorous in the welding processes as well as throughout the production chain.

Our main aim is to offer the best quality to our clients; so that, we adopt the best measures necessary in our production procedures to guarantee it.

Respect for the environment is a fundamental principle guiding everything TECADE does, based on the company's mission, vision and



values. This commitment is evidenced by the approval of the company's Environmental Policy, reflecting the commitments and principles applicable to the Company in economic, social and environmental terms. Preserving and respecting the environment is one of the cornerstones underpinning ACCIONA's work and is evident from the company's adherence to best environmental practices throughout all its activities, as it prevents or minimises any adverse environmental impacts while helping to conserve natural resources.

TECADE's environmental strategy is structured around its commitment to combating climate change, promoting energy savings, optimising the use and management of water, using resources responsibly, managing waste effectively, preventing pollution and protecting the environment and biodiversity.



A company that is committed to the environment is a company that is committed to a society that is becoming more and more aware of environmental matters. Tecade focuses on renewables, starting with investment in using natural resources responsibly. Our workshop is designed to make maximum use of solar energy and roof is suited to the installation of solar panels.



## **TECADE:** new machinery

In our desire to offer our clients the best service and the better quality on our projects we have acquired new machinery with the following characteristics:

\* ENDEAVOUR GANTRY. Mod. 3003/12 GDD:

It is an automatic CNC drilling line for welded structures. Web and flange drilling, milling and cribing of one section only.

It is the ultimate technology for the processing of welded girder beams and welded structures of large dimensions.

Typically in the fabrication of steel bridges or big trussed the finished part reaches dimensions that could be covering volumes of 4000 mm x 2000 mm witg lenghts that could reach 35000 mm. Bridge girders could be cambered and curved aling the length, box girders might require patterns of holes or also face milling, tub girders require to be positioned and handled with care to drill patterns for splice plates on the flanges and on the web, trusses might need to be faced mill and drilled on the connection points. All the above mentioned parts have something in common apart from the machining operations that is the weight, the volume occupied and the dificulty to handle shape and geometry.

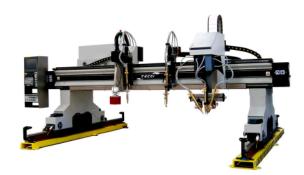
\* **TEKNOS 5500**: High definition plasma cutting machine.

It is designed for high definition quality requirement cutting, high capacity and large dimensions. Its mechanics are based on the use of mixed guiding systems equipped with rollers and recirculating balls.

It is a multi-function machine with plasma, beveling, oxyfuel, drilling, marking and pipe cutting as options.

To ensure the positioning accuracy of the entire machine, the motor measurement system is absolute, so that the machine needs never to return to its original position for referencing.





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