



The international construction industry and the energy industry are moving forward in the digitalization of their processes for greater efficiency in management and safety

The accident rate in the construction sector continues to be one of the highest in the industry, so more and more companies have decided to opt for digital tools that allow them to reduce the number of accidents during working hours.

Likewise, sustainability objectives are becoming increasingly important within the energy industry, making renewable energies have a predominant role and companies dedicated to it have to increase the efficiency of their plants through digitization.

WILOC Technologies continues to grow within the global market and leads the way in implementing state-of-the-art monitoring solutions that enable companies to increase the safety of their equipment and streamline the construction and power generation of their plants.

In 2022, the number of occupational accidents in the construction sector stood at a rate of 59.7 per million hours worked. However, the accident frequency rate has been on the rise since 2020, where it stood at a rate of 55.1, due to a decrease in the number of hours worked relative to the number of accidents. These data are only an indication that there is still a lot of work to be done and that companies in the construction sector must incorporate tools that allow them to carry out a much stricter control over safety zones and equipment.

In this context, WILOC Technologies, a world leader in process digitization, continues to grow in the global market and is leading the way in the implementation of cutting-edge tracking solutions. One example is its collaboration with ExxonMobil at its Singapore refinery, where, thanks to the WILOC Enterprise platform, the company has been able to perform comprehensive data collection and analysis for the monitoring of its assets and workers. This has enabled it to increase the efficiency of its operations and maintain the safety of its employees, which has enabled the refinery to reach a capacity of 592,000 barrels per day.

For its part, Saudi Aramco has also decided to boost its digitalization process through WILOC solutions, implementing portable devices in the equipment of its workers. Thanks to the geolocation system, Aramco's operators are now able to always report on their position, times of presence in specific areas and their status. This gives managers a complete overview of the workplace, preventing operators from accessing unsafe or unauthorized areas (geofencing) or, on the other hand, from being alerted in the event of an accident or violation in one of the areas.

Along the same lines, digital tools must also be integrated into the renewable energy sector so that, beyond security, both companies and governments can also achieve their sustainability objectives and increase their productivity compared to traditional energy generation models. However, the integration of these renewable sources with digital tools has posed significant challenges, and this is where WILOC comes into play. By leveraging advanced data analytics,



machine learning and artificial intelligence it is possible to optimize and streamline the construction and installation process while delivering a rapid return on investment.

WILOC understands the importance of sustainability for governments and companies and has developed solutions that favor digitalization in the construction processes of renewable energy plants. This is the case of the construction of the Stampede solar plant in Texas, which, thanks to WILOC's management tools, will be able to carry out a complete traceability on each of the materials that will be used during the installation of the solar plant, from the moment they leave the factory until their assembly and subsequent commissioning.

WILOC's solutions for the renewable energy sector allow companies to have detailed control over the traceability of the different elements, the exact location where each panel will be installed or its status according to its technical characteristics and handling. In this way, operators can minimize any margin of error during construction, which helps to reduce costs and increase the overall efficiency of the project for commissioning in the shortest possible time.

"At WILOC, we are committed to working for the safety and sustainability of the industry. Since these are two extremely important branches today, our team of professionals focuses its efforts on developing and delivering smart solutions that enable companies in the construction and energy sectors to maintain constant control over these areas, facilitating their digitization process while ensuring compliance in these two areas and favoring the overall productivity of operations," says Adolfo García-Figueras, Business Development Director at WILOC.

About WILOC

WILOC is a world leader in the implementation of cutting-edge solutions for the digitization of processes in different industrial sectors, such as renewable energies, extraction and processing of oil and gas derivatives, construction or traceability of assets and people in smart ports 4.0, contributing to the optimization and reduction of costs. Its solutions, multifunctional, fully scalable and versatile, are aimed at ensuring the safety of workers in all types of industries thanks to its real-time positioning and management of access, entrances, exits and presence; increasing productivity in the renewable energy sector through the digitization of processes; the management and control of assets in warehouses; or the location and management of heavy machinery in large engineering sites. WILOC is currently collaborating with some of the main international engineering projects in markets such as the USA, Saudi Arabia or Singapore, or in different European countries, including Spain. For more information, please visit www.wiloc.com