

SATO

Leader in maritime infrastructure

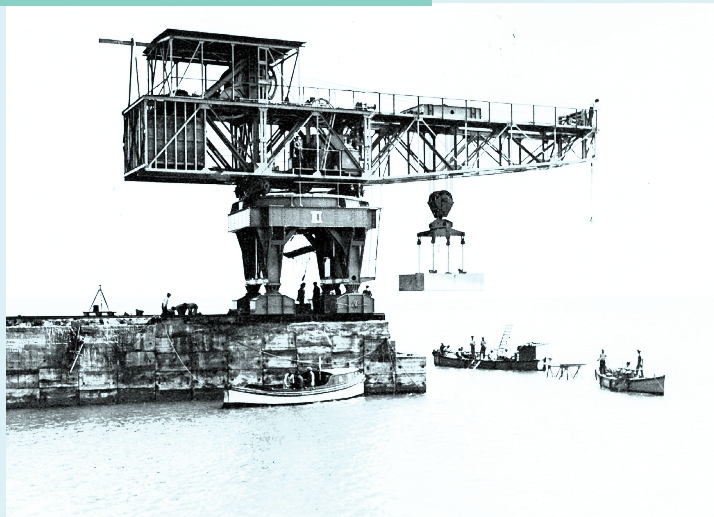
SATO, a subsidiary of the OHLA Group, is a construction company with nearly 100 years of experience and a maritime vocation and specialization from its inception

Established in 1927, Sociedad Anónima Trabajos y Obras (SATO) carries out high-level maritime works, always distinguishing itself for its capacity for technological innovation and quality of execution.

Since its origins, SATO has maintained a high maritime specialization, which has allowed it to achieve a reference position in the field of maritime and port works, both in Spain and in other geographies where it operates.

Since its foundation, Sociedad Anónima Trabajos y Obras has developed its activity in the port and coastal areas

Puerto de la Luz. Las Palmas 1935. Spain.



Puerto de Vega. Navia. Spain.

OHLA is a global infrastructure group with activities focused in three geographical areas – the United States, Europe, and Latin America – and a portfolio exceeding 5.8 billion euros. The company boasts over 110 years of experience and a workforce of more than 22,000 people.

OHLA ranks 40th as the largest international contractor, according to the ranking by the prestigious *Engineering News-Record* (ENR), which also highlights the company among the top 15 national heavy civil contractors and in the Transportation category. Additionally, it has been selected as the Contractor of the Year 2021 in California and Contractor of the Year 2019 in New York, for its outstanding performance in both regions.

OHLA has been a member of the Spanish Network of the United Nations Global Compact since 2004, incorporating the Ten Principles of the initiative on human rights, environment, anti-corruption, and labor standards into its operations. It is also a promoting partner and member of the Spanish Business Council for Sustainable Development of Forética and adheres to the New Deal for Europe manifesto and the CEO Alliance for Diversity

EXPERIENCE
110 YEARS

WORKFORCE
22.000
PEOPLE

LARGEST
CONTRACTOR
40º RANK

Extension of the Reina Sofía Quay, Phase 2. Port of Las Palmas. Spain.



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New Port of Granadilla. Tenerife. Spain.

Operations

Since the beginning of its operations, SATO has stood out for its level of specialization and quality of execution in projects that require an advanced degree of technology. This specialization is possible thanks to its highly qualified professional team, capable of tackling leading-edge projects and being actively present in the most varied technical forums both nationally and internationally.

The company has a fleet of floating machinery, adapted to the needs of its work and recognized as one of the most complete in Spain. This is complemented by SATO's collaboration with national and international companies, leaders in their respective markets, whose synergy allows responding to all types of coastal and port projects and challenges.

SATO has been involved in the most significant works carried out in various Spanish ports over the last 20 years. Noteworthy are the expansion of the port of Gijón and the new facilities at the Outer Port of Punta Langosteira, (A Coruña), the two projects with the largest investment budget tendered; the port of Granadilla (Tenerife); the south dock of Barcelona; the port of Alicante; the port of Algeciras, and the port of Bilbao. SATO's participation in these initiatives has allowed it to position itself among the companies with the largest share of the national market in maritime work.

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Expansion of the Port of Gijón. Spain



SATO Galicia - Split Hopper Barge.



SATO Algeciras - Pontoon



SATO Asturias. - Floating dock

Fleet

SATO has successfully adapted its machinery fleet to market needs, prioritizing high-value-added equipment with limited availability over others that are more accessible.

Notably, the equipment for caisson manufacturing, such as the SATO Levante floating dock and the SATO Asturias barge. Both combine the latest technology and versatility, allowing them to adapt to a wide range of dimensions and features.



SATO Levante - Floating dock

Research & Technological Development

RTD is of particular importance at SATO, serving as the spearhead of technology applied to excellence in project execution. To achieve this goal, the company collaborates with universities, laboratories, and public research bodies, and has the support of entities belonging to the Public Administration such as CDTI, PROFIT, or IMADE. SATO's

RTD efforts are aimed at improving the efficiency of execution processes on-site, solving the complex problems that often arise, as well as exploring new technologies that allow leveraging the full technical potential of the company, expanding its field of action. Among the various initiatives, the following stand out for their relevance and use:

Block Recovery in Breakwaters

The blind recovery of submerged elements randomly placed in maritime works has been solved through the research and development of a patented grab named SATOgrab. To achieve this, research into the optimal geometry for both its performance and structural behavior has been advanced, with high efficacy rates. The recovery grab has been successfully used in the port of Gijón.

Offshore Wind Foundations

Anticipating market trends, SATO conducted a detailed project on the use of standard means in the construction of port breakwaters applied to the execution of offshore wind foundations. This technology, initially studied for the execution of gravity-based foundations (GBS), is fully under development for the execution of state-of-the-art floating foundations..

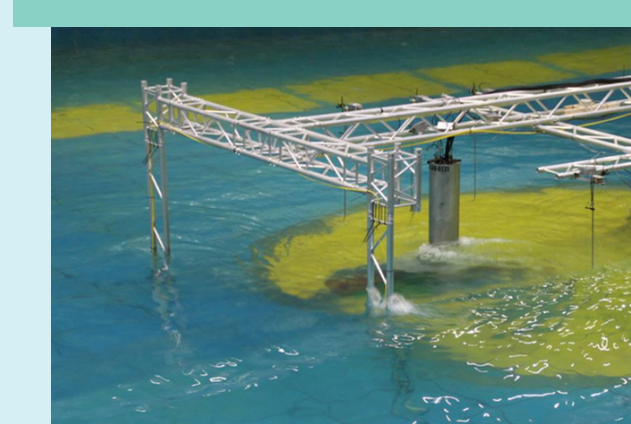
Cubipod

A protection element for breakwaters developed by SATO in collaboration with the Polytechnic University of Valencia. This innovative R&D project in the market is established as a very competitive piece in terms of construction compared to the cubic block (traditionally used in Spain) and to monolayer solutions used in other countries, for its concrete saving, robustness, and ease of manufacture and placement.

Block Recovery Grab.



Offshore wind foundations



Cubipod. Hanstholm Ports. Dinamarca.



Cubipod Manufacturing.

