

Informazione Regolamentata n. 1936-30-2025	Data/Ora Inizio Diffusione 25 Luglio 2025 10:04:38	Euronext Growth Milan
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Societa' : I.CO.P

Identificativo Informazione : 208365  
Regolamentata

Utenza - referente : ICOPESTN01 - -

Tipologia : 3.1

Data/Ora Ricezione : 25 Luglio 2025 10:04:38

Data/Ora Inizio Diffusione : 25 Luglio 2025 10:04:38

Oggetto : RoboGO: IN TRIESTE THE ICOP GROUP  
LAUNCHES A REVOLUTIONARY  
TECHNOLOGY FOR UNDERWATER  
MAINTENANCE OF PORT  
INFRASTRUCTURES

*Testo del comunicato*

Vedi allegato



## RoboGO: IN TRIESTE THE ICOP GROUP LAUNCHES A REVOLUTIONARY TECHNOLOGY FOR UNDERWATER MAINTENANCE OF PORT INFRASTRUCTURES

*Over 32 meters long and 8 meters wide: this is the size of the underwater robot developed by the ICOP Group for the Molo VII construction site in Trieste. This technology opens a new market frontier for the Group's maritime works division and has potential applications in international markets.*

*Trieste, July 25, 2025 – A large semi-submersible robot, over 32 meters long and more than 8 meters wide, containing over 15 kilometers of cabling, capable of operating beneath docks and working fully autonomously, replacing divers in delicate operations such as port infrastructure maintenance. Its name is RoboGO, and it is the innovative technology developed by Impresa Taverna, a company of the ICOP Group – a leader in underground engineering and one of Europe's key players in special foundations and microtunneling – within the scope of the redevelopment project of Molo VII in Trieste.*

At the heart of the system is a **robotic unit designed to move precisely beneath the quay**, within the grid of load-bearing piles. Equipped with intelligent hydraulic arms, high-resolution cameras, advanced sensors, and a sophisticated artificial intelligence system, **RoboGO can autonomously perform complex operations** – from hydro-cleaning to waterproofing, hydro-scarification, and structural restoration of concrete—all without requiring underwater operators and ensuring maximum safety. **The operations are monitored in real time from a Control Room** located on a floating pontoon connected to the robotic unit. This setup allows **surface docks to remain fully operational**, reducing intervention times, costs, and environmental impact.

*"With RoboGO, we combine innovation, safety, and environmental respect: a true paradigm shift in port maintenance," said Luca Zambarbieri, CEO of Impresa Taverna and Head of the RoboGO project. "This automated system can operate without interrupting surface activities, keeping docks operational while enhancing safety and efficiency – with tangible benefits for a strategic port like Trieste."*

The RoboGO system includes a **self-learning AI system** capable of **mapping surfaces in detail**, detecting anomalies, and autonomously planning and executing interventions. Thanks to **hydraulic arms controlled by underwater encoders**, the robot can adapt its movements in real time to the structural configuration. In line with environmental sustainability principles, the water and processing residues used during operations are **collected onboard and treated on the control pontoon**, preventing discharge into the sea.

*"The combination of automation, artificial intelligence, and remote control allows us to safely operate even in the most complex and hard-to-reach areas," explained Yuriy Bean, Leader of RoboGO construction. "Moreover, the system continuously learns from experience, gradually improving its operational capabilities."*

**RoboGO was developed to address the technical challenges of the major redevelopment of Molo VII in the Port of Trieste**—a nationally significant project awarded to a consortium led by ICOP, with maritime and underwater works carried out by Impresa Taverna Srl, 95% owned by the ICOP Group. The two-year intervention is funded with **€ 82 million** through the Complementary Fund of the Italian National Recovery and Resilience Plan (PNRR). **A strategic, large-scale initiative** with over **300,000 square meters** of



infrastructure, **611,000 square meters** of surfaces to be maintained and **3,600 prefabricated slabs** (each 10x10 meters) to be inspected and treated.

The RoboGO project represents a major investment by ICOP and reflects the pioneering approach of this Friuli-based company in the field of complex infrastructure: *"This significant investment looks beyond the Molo VII site, paving the way for a new generation of technologies serving both Italian and international ports. For our Group's maritime division, this opens up new, high-value-added opportunities in maintenance operations"* emphasized **Vittorio Petrucco, President of ICOP**.

Originally developed to meet the challenges of the **revamping of Molo VII in Trieste**, one of Italy's most important infrastructure sites, **RoboGO** now stands as a **replicable technological solution for major international maritime hubs**.

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This press release is available on the Company's website <https://www.icop.it/en/> in the Investor Relations - Press Releases section and at <https://www.emarketstorage.it/it>.

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#### **ICOP S.p.A. Benefit Company**

*Founded in 1920 by the Petrucco family, [ICOP](https://www.icop.it/en/) is an underground engineering company active nationally and internationally in the fields of special foundations, microtunnelling and maritime works. As the first benefit company in the sector, ICOP operates in the United States through its subsidiary AGH and directly in major European markets, supporting both private and public players – with a strong focus on long-term partnerships – in highly engineered projects related to the development of critical infrastructures (such as the Paris and Copenhagen metro systems) and the strengthening of energy and water transport networks (gas pipelines, aqueducts). The group has its headquarters in Basiliano (UD) and employs approximately 760 people worldwide.*

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