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HUTCHISON PORTS ICAVE LEADS MEXICO'S PORT TO MIXED MODE OPERATION

Summer 2024 / Spotlight / Sustainability / Smart Tech
Business Unit: HUTCHISON PORTS ICAVE

ICAVE's investment in Autonomous Trucks (ATs) and electric cranes, supported by automation and state-of-the-art communications equipment, has set it apart in the Mexican port sector.

The port is located at the heart of the Port of Veracruz and its investment in innovative technology has elevated the terminal to be a leader in innovation and sustainability in the region.

In October 2023, the acquisition of six ATs marked an important milestone for ICAVE. The eco-friendly vehicles are equipped with cutting-edge technology using advanced sensors, HD cameras and artificial intelligence algorithms. ATs are designed to increase operational efficiency, improve port safety and significantly reduce emissions. In addition, ICAVE added three automated Rubber-Tyred Gantry Cranes to its fleet of equipment.

These new facilities reflect ICAVE's commitment and efforts to minimise its carbon footprint and promote sustainable operations in Mexico.

In 2024 the adoption of electric Internal Tractors (eIT) will also reduce emissions further and contribute to the Group's Science Based Targets initiative (SBTi) for GHG emissions reduction targets and 2050 net-zero target.

Education and Adaptation

The integration of ATs presents unique challenges, especially to terminal safety and technological adaptation. To ensure all staff are trained to work with the new equipment safely and securely, Hutchison Ports ICAVE has implemented a comprehensive education programme that includes internal safety training, security protocols and technology maintenance.

Externally, an extensive communication campaign and training programme has been conducted with more than seven hundred transport operators have participated. The programme will help inform and prepare staff and terminal users to 'true' mixed mode operations at ICAVE, ensuring a smooth and safe transition towards this new era of autonomous operation.