

SMART LOGISTIC TECHNOLOGY HELPS INCREASE EFFICIENCY OF WAREHOUSE MANAGEMENT



Investing in Warehouse Business with Drone Technology by Lien Chieu Logistics Company in Vietnam

INTRODUCED SMART TECHNOLOGIES ARE:

- FARMING TECHNOLOGIES
- RENEWABLE ENERGY TECHNOLOGIES
- LOGISTICS TECHNOLOGIES
- HARNESSING SMART AND SUSTAINABLE TECHNOLOGIES

Small and medium-sized enterprises's access to smart technologies were constrained by various factors, including inadequate awareness of smart technologies applied in agriculture, energy, and logistic and transport sectors, and low capacities to adopt and deploy smart technologies in their productions and businesses.

In response to an increasing need for digital transformation to support the development of sustainable and smart agricultural supply chains in the Mekong region, Mekong Institute (MI) with the support from the Government of Republic of Korea through the Mekong-Korea Cooperation Fund (MKCF) designed and implemented the project on Sustainable and Smart Agricultural Supply Chains Development In Mekong Countries from December 2021-May 2023.



ADOPTION OF SMART AND SUSTAINABLE TECHNOLOGIES IN VIETNAM

Through this project, digital innovations in agriculture, energy, and logistics and transport sectors were introduced and promoted to Mekong countries' stakeholders and beneficiaries including to Green Lien Chieu Logistic JSC in Da Nang, Vietnam.



Green Lien Chieu Logistic's warehouse in Vietnam

Investing in a smart warehouse system utilizing drones has provided several advantages for Green Lien Chieu Logistics JSC. These include:



Inventory Audit: Drones scan item barcodes and RFID tags, allowing for accurate calculations of item quantities and recording their locations.



Warehouse Capacity Calculation: Real-time data collection on the number and locations of empty slots helps optimize storage and shipping processes.



Item Tracking: Drones add the exact location of each item to the warehouse database, enabling quick and easy retrieval.



Video Surveillance: Drones enhance warehouse security by providing flexible and comprehensive surveillance capabilities.



Remote Physical Manipulations: Specialized UAVs can lift and move lightweight objects, as well as operate in challenging environments such as narrow passages and high shelves.

With an objective to increase its market segments in Vietnam and neighboring countries, including Lao PDR, the company plans to explore further investments in other smart logistics technologies for warehouse businesses.g processes.

Green Lien Chieu Logistics JSC, located in the Da Nang Industrial Zone near Da Nang Hi-Tech Park, is developing a smart warehouse business project using drone technology. The warehouse project covers an area of 3,500 m2 and is part of the company's expansion efforts.

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The company is now developing a smart warehouse business project with use of drone technology and the implementation of drone technology is set to commence in 2024 said Mr. To Van Hiep, Chief Executive Officer
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SMART LOGISTICS TECHNOLOGIES: WAREHOUSE DRONE

An unmanned aerial vehicle with computer vision (AI-enabled) that are able to detect and count inventory with an accuracy of 99.9%, much higher than manual checking. They can be integrated to any warehouse setting and can count almost any type of inventory. The operationalization does not require any additional infrastructure in the warehouse.

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