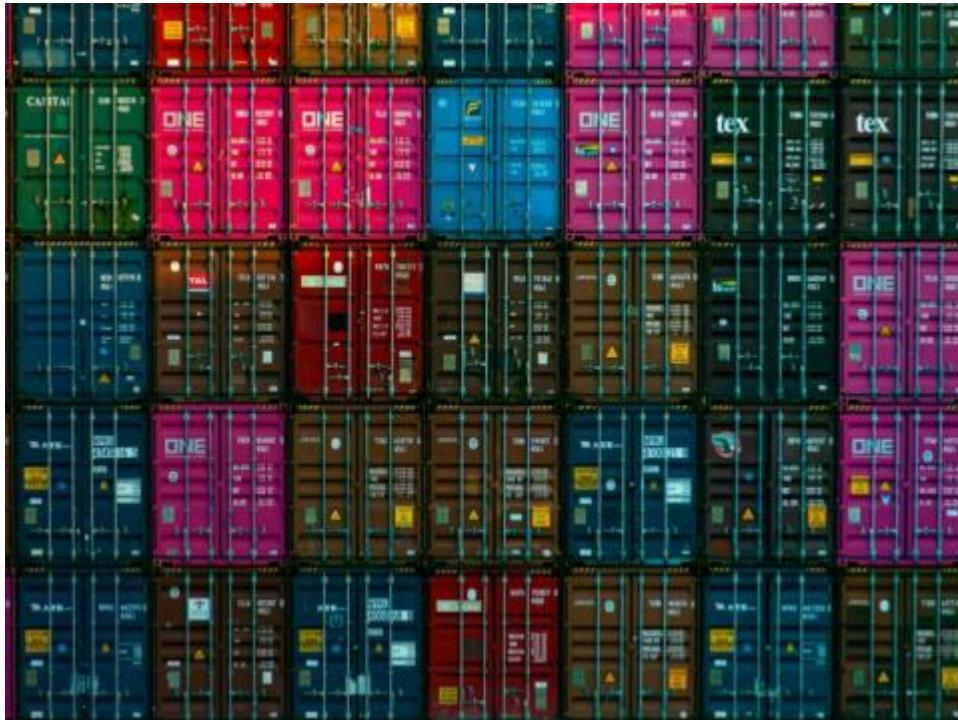




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Security in container movement is increasing more and more due to new technologies.



Language

English

Shipping lines are increasingly adopting advanced technological solutions to address concerns about the security of containers and their contents in an increasingly digitalized environment. The sector faces challenges ranging from intrusion to illegal trafficking of substances and people, driven by transnational organized crime networks. The World Customs Organization highlights the difficulty of intercepting these activities, given the immense number of containers moved

internationally each year, approximately 750 million.

An article by Seatrade Maritime indicates that to improve safety, various organizations around the world are implementing cutting-edge technological solutions on a large scale. The use of the Internet of Things (IoT) offers new perspectives by integrating container telematics with wireless sensors. This combination allows vulnerable points to be remotely monitored, regardless of their location in the supply chain or mode of mobilization.

This is how the future works

Combining telematics solutions with sensors is significantly improving cargo security, providing a more comprehensive model than traditional physical security devices. These can detect the opening of doors and send instant alerts to authorized personnel through various means of communication, facilitating rapid response and action.

In addition to detecting potential security incidents, such as unauthorized access to containers, the latest IoT technologies can reliably monitor container location throughout the supply chain, sending automatic alerts if it deviates from predefined routes or boundaries (geofences), which can assist in the recovery of stolen goods.

Analysis of historical telematics data can also be useful in making informed operational decisions, reducing the likelihood of future security incidents. Shipping companies, shippers and cargo owners (BCOs) can identify problem patterns and risk hotspots to anticipate criminal activity and take preventive measures.

Safe loading, happy customers

Shipping lines that implement supported telematics solutions are presented as an attractive option for customers. By knowing everything about the status of your shipments and having complete traceability, confidence is reinforced and costs are reduced.

The solutions set new standards for monitoring cargo movements by creating an uninterrupted chain of custody that documents every stage of the process. Time-stamped data provides a solid digital record of the cargo process, crucial for providing evidence in the event of incidents.

Automated intrusion notification also simplifies the interaction between insurers and vessel operators, reducing insurance claims and costs. Access to real-time data reduces the risk of fraudulent claims, which benefits shippers by reducing insurance risks.

As the sector evolves, these technologies become the foundation of a safe multimodal transportation system.

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