Abstract

(Session 4) Cybersecurity in Ports and Shipping

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Importance of Cybersecurity for Container Ports amid Technological Advancement

Through the 55 years history, PSA has transformed from a traditional container terminal operator to an IT and technology-driven company. Along with the fast advancement of technology, our world has become more interconnected than ever before. For this reason, our everyday risk and danger not only exist in the physical world, but in the cyber realm too. Cybersecurity is essential in today's interconnected world because it protects sensitive information, prevents financial losses, and safeguards personal privacy. As more of our daily activities—banking, shopping, communication—move online, the risk of cyberattacks grows. This goes the same for our port and shipping industry. Without strong protection, businesses can suffer costly data breaches, individuals can have their identities stolen, and critical infrastructure can be disrupted. Cybersecurity is not just a technical necessity; it is the foundation of trust in the digital age, enabling people and organizations to operate safely and confidently online