SMART PORTS AND LOGISTICS

PASSENGER TERMINALS

When embarking and disembarking at terminals, cruise passengers are eager for good Wi-Fi and connectivity. At the same time, staff and ship data must also be downloaded. A cybersecure way to differentiate between the two traffic types is critical. In addition, cruise ships can enhance the passenger experience with real time access to traveler information systems and displays.

CUSTOMS AND PORT AUTHORITIES

Customs ensures that goods comply with legal and regulatory requirements, while port authorities oversee port operations and logistics. Communications services such as Instant Messaging (IM), voice, video and file sharing can enable effective collaborations between service providers, port operators and authorities. This collaboration, based on real time and accurate information, is critical to improving operations and customer satisfaction.

PERIMETER SECURITY AND EMERGENCY

Ports are targets for illegal activities, including theft and vandalism, which disrupt operations and cause loss of goods. Proactive solutions to protect, detect and react are essential for security teams. Security IoT devices such as smart cameras, access control, fire detection and emergency call points, combined with real time communications and contextual information, improve incident response time.

ABOARD SHIPS

Mission-critical networks connect always-on functions such as radar, piloting and surveillance and ensure communications between crew and command. Equipment must be designed for inclement weather conditions, such as humidity and salt, and comply with DNV certification. The shipyard's environment requires high connectivity and efficient communications and collaboration tools to support industrial activities such as construction, maintenance and repair.

WAREHOUSES AND LOGISTICS

Loading and unloading ships is a key port activity. Today, most cranes are equipped with video cameras and Wi-Fi for remote control. Containers and materials are stored indoors and outdoors. The port is the hub where a constant flow of vehicles transports them to various destinations. In the warehouses, Isolated Worker Protection and Remote Visual Assistance services help field workers stay connected and protected from hazards. Collaboration tools can assist logistics companies with the complex process of service and transport bookings, which strengthens their customer relationships.

OPERATIONS CONTROL CENTER (OCC)

The OCC coordinates and monitors port operations and ensures 24/7 service delivery. Integrated communications improve collaboration and speed response times. A mission-critical architecture is key to protect against cyberattacks. Video is a valuable tool to enable the OCC to more effectively oversee all operations, improving efficiency, safety and security.

Learn more about
ALE technologies for ports and logistics

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