A walk around a next generation smart port

Maritime companies face unique challenges in today's ports: land and sea space constraints, limited resources, time limitations and high operating costs. Smart ports use digital tools to make operations more productive, safer, efficient and profitable. Automation, digitalization,



They can be used for port monitoring and traffic control, to assist vessels with navigation and security and to conduct environmental and ecological monitoring of the port site. All drones are IoT-enabled and communicate in





Safety

Workers in the port area need to be wearing the required safety equipment, including boots and high-viz clothing. Video analytics can identify worker without it, and send alerts.



Security

Video analytics can detect intrusions into protected areas. You can also include facial recognition to check for illegal access to protected areas.



Data analytics Smart ports generate masses of data that can be used to optimize and enhance operations. Data analysis drives cost reductions, better safety and increased productivity.



Orange Cockpit

Draws on port data to give you immersive visualization based on video game technologies to make your data intelligible, relevant, accessible and engaging.