

Koning & Hartman Partnered with Druid & Airspan to Upgrade Rotterdam Port's Private Network to Improve its Operations

Industry
Logistics

Location
Rotterdam, Netherlands

Partner
Koning & Hartman

End User
Port of Rotterdam

Reference

Overview

Koning & Hartman, a Dutch industrial tech provider worked with Druid Software and Airspan to bring automation and intelligence to operations at the Port of Rotterdam Authority. Port of Rotterdam Authority manages, operates and develops the port and industrial area of Rotterdam and is responsible for maintaining a safe and smooth handling of all shipping.



Challenges



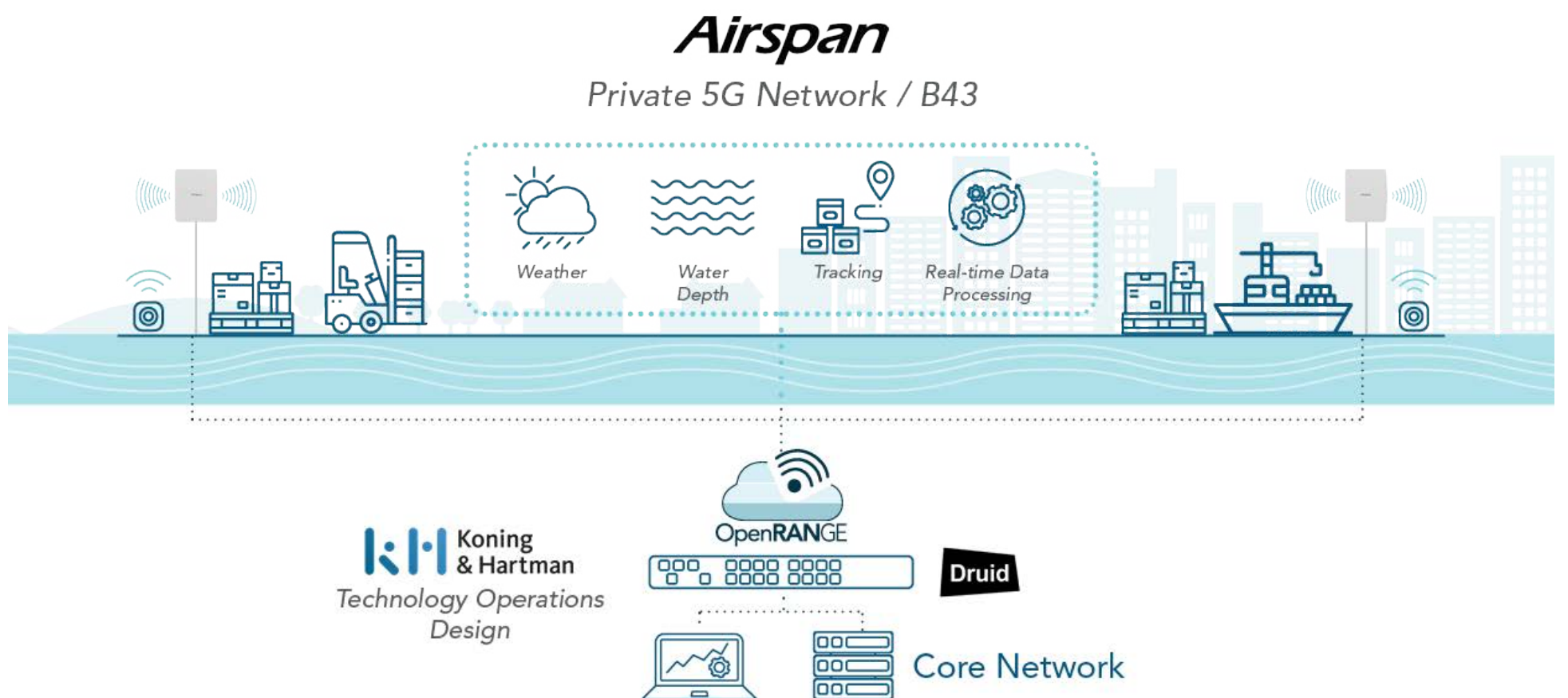
Port of Rotterdam Authority wants an autonomous ships by 2025-2030. To achieve this, it installed sensors across its 42-kilometre port area to build a digital twin of the site's set-up and operations to mirror, track, and pre-pilot the shipping movements, infrastructure, weather and water depth. It also runs its IoT platform for data processing. The port needs a reliable private network for multiple applications, including private communication, site automation, and IoT connectivity.

Solution & Benefits

Druid's Private LTE application was integrated with Airspan's Private 4G solutions. Airspan's carrier grade base stations were installed.

The new architecture gave the port easy control and management of the network. The private network also helped the port to achieve greater efficiencies and at the same time deliver a safer working environment for their employees.

Embracing this new technology gained them a competitive advantage. It enables real-time data processing and control of unmanned vehicles that require dedicated data and very low latency.



Airspan

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