

Seaport Wismar Partnered with Cocus & Airspan to Build its Private 5G Network to Improve its Terminals & Services

Industry
Logistics

Location
Wismar, Germany

Partner
Cocus

End User
Seaport Wismar

Reference

Overview

Seaport Wismar partnered with Cocus to build their P5G network based on Open Ran technology. Seaport Wismar is a Port logistics in the Baltic Sea region. This project funded by Federal Ministry of Digital Affairs and Transport with 4.1 million euros until 2024 to test various 5G applications for German ports. This will also serve as a proof-of-concept for Portable 5G, a framework that theorized that mobile P5G network architecture will lead to the advancement of industrial sectors.



Challenges



The scope of the project involves process optimization in real-time dispatching with the local companies, automated loading of bulk carriers and autonomous driving on the harbor premises in the indoor and outdoor areas. The required area of network coverage is approximately 60ha.

Solution & Benefits

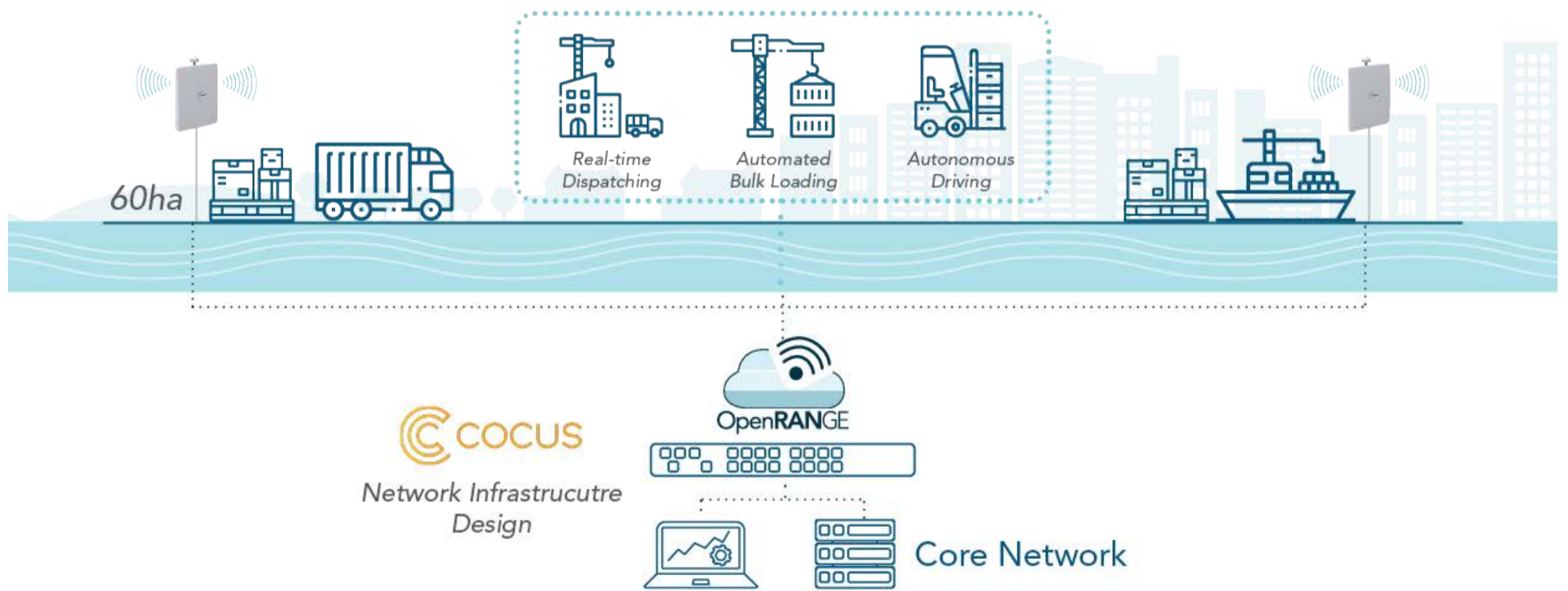
Cocus managed the whole project from strategizing to implementation. To build the P5G network, Cocus worked with other third party service providers like Airspan, FibroLAN, Rhode & Schwarz. Cocus relied on Airspan’s Open RAN technology which was compatible to Cocus’ in-house developed core networking system. This proved Airspan’s Open RAN’s flexibility in terms of integration to core network systems other than its usual discretion on vendor-based mobile internet services.

The deployment was a success. With the upgrade of Seaport Wismar to P5G network architecture, it has more efficient multi-purpose terminals and offers a diverse range of port-specific services such as project cargo, general cargo and bulk cargo that are handled via the terminals. Seaport Wismar now manages its own network infrastructure and terminals.

Another advantage of this this project is that its notion of Portable 5.0 came to reality which sparked the adaptation of P5G to German industry.

Airspan

AirSpeed 1900 / n78



Airspan

The future is OPEN:
Innovation that matters

📍 Airspan Networks Inc.
Headquarters
5201 Congress Ave,
Suite 130
Boca Raton,
FL 33487 USA
📞 Call us on
+1 561-893-8670
✉ Contact us
in X

Our Solutions
Private Networks
Public Networks
Air-to-Ground
Technology
Airspan Control Platform
Portal & Edge Compute
vRAN OpenRANGE
Hardware

Useful Links
Contact
Modern Anti-Slavery Policy
Legal Policy