

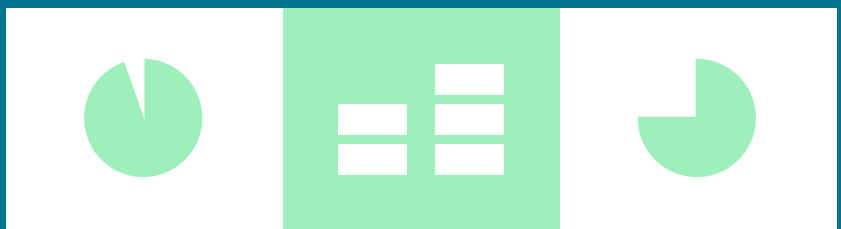
Digitalizing the oil and gas value chain

with Nokia critical communications solutions

Data analytics, AI-assisted decision making and digital twins

Main control center, telemetry and tele-remote operations

Digitalization and automation of business-critical processes



AR/VR for employee training and remote support assistance



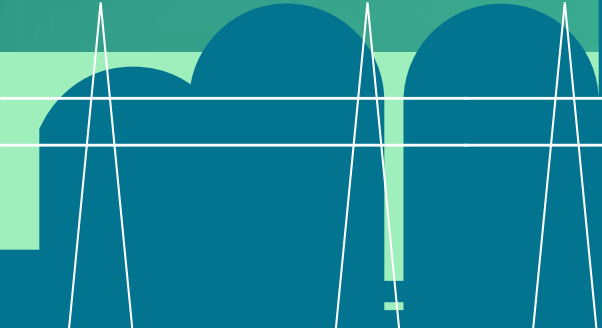
Cybersecurity and defense in depth

Enterprise LAN/WAN and data center networking

Connectivity and communication for field personnel



Asset monitoring for predictive maintenance



Drone inspections of platforms, pipelines, plants and storage tanks



Video surveillance, wellhead monitoring and analytics



Alarm broadcast system

Monitoring of environmental conditions with IoT sensors



Transport and distribution logistics

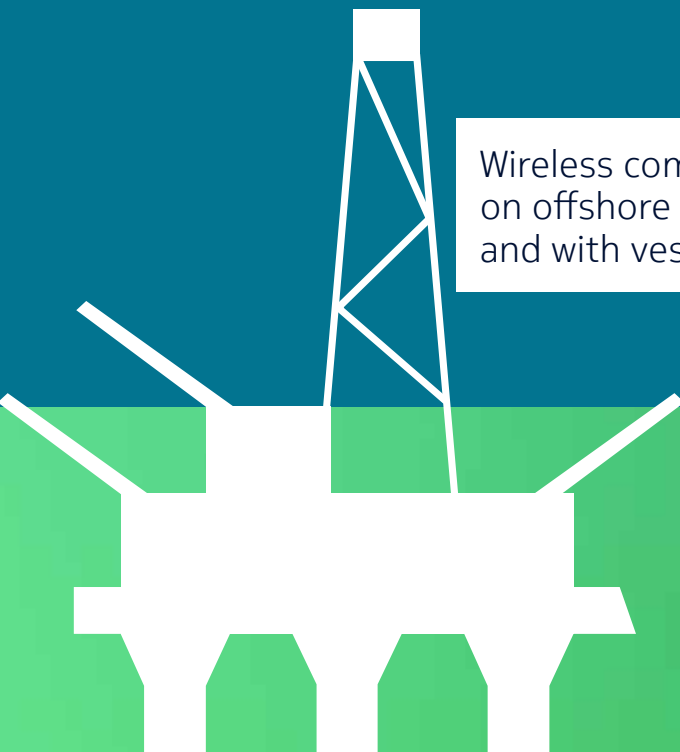


Wireless connectivity to, and remote management of, offshore wind farms

Digital PPE for worker health and safety

Communication along pipelines and industrial plants

Wireless communications on offshore platforms and with vessels



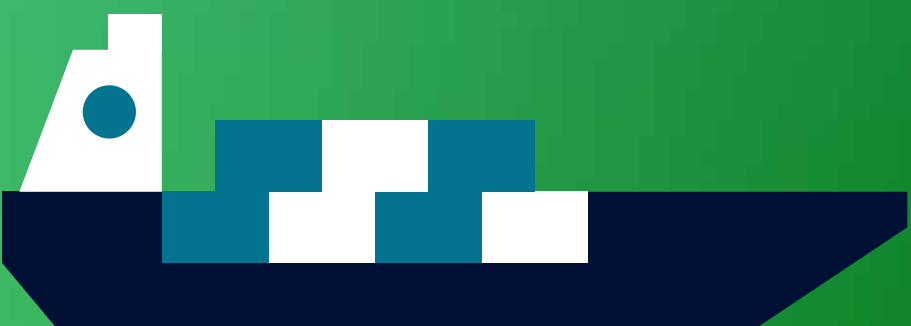
Low-latency communications for autonomous vehicles and robots



Geo-tracking and geo-fencing of people, vehicles and assets



MC PTT/PTV for person-to-person and group communications



Undersea transmission networks

