

Nokia communication solutions

Industries and public sector



NOKIA

Empower your workforce with secure private wireless communication

Use the latest mobile technology to increase safety, operational awareness and efficiency

Nokia communication solutions for industries and public sector offer services that meet the critical team communication needs of any enterprise and effectively replace legacy Private Mobile Radio/Public Access Mobile Radio systems. These services operate on secure private wireless networks. They include ruggedized mobile devices, applications, dispatch consoles and device management tools that comply with 3GPP standards.

With our comprehensive solutions, you can provide a fast, reliable communication infrastructure for your workforce that includes:

- One-to-one and one-to-many voice and video call performance that can meet the latency and priority demands of your mission- and business-critical applications
- Broadband video and data connectivity for your field teams
- A broad portfolio of new-generation mobile devices and applications that enhance your operations by ensuring that each worker can handle tasks with more versatility and efficiency



Three service options to address different communication needs

Nokia communication solutions offer three service options that address the feature, capacity and use case requirements of a wide range of industries. These services run over private wireless networks that provide pervasive, ultra-reliable and secure broadband connectivity for industrial campus sites, or for local, regional or national operations.

The **Nokia DAC VoIP** service option provides simple and reliable point-to-point voice and video calling capabilities for up to 1,500 users. The VoIP service is native on any Nokia DAC network ready to activate and use.

Nokia DAC team comms

complements these point-to-point VoIP capabilities with multipoint calling, push-to-talk (PTT), push-to-video (PTV), and instant messaging with media distribution. It is suitable

for teams with up to 200 members and can be scaled based on your chosen edge server.

Nokia Group Communications

includes all the functions of the VoIP and team comms services and adds support for emergency broadcast calls or alerts, along with priority management and preemption capabilities. Designed for mission-critical communication, it supports up to 20,000 PTT users and 1,000 PTV users, and scales to support regional or national needs such as public safety networks and other wide area network use cases.



Get the communication services your team needs to succeed

Your communication and connectivity requirements will depend on a broad range of factors, including:

- The number of voice and video users you need to support, along with the throughput their applications will demand
- Whether your deployment will serve organizations at the local, regional or national level
- The mission- or business-critical applications you use most or that will help you compete in the Industry 4.0 era
- What network prioritization or redundancy models you need for your business

Use the following table as a guide for determining which Nokia communication solution – VoIP, team comms or Group Communications – can best serve your unique needs.

	Nokia DAC VoIP	Nokia DAC team comms	Nokia Group Communications
Services	Voice, video	Voice, video, messaging	Voice, video, messaging
Features	One-to-one SIP sessions, on-net in same Nokia DA edge, dedicated QoS	One-to-many PTT and PTV, group management, floor control, on-net in same Nokia DAC edge	Multipoint PTT and PTV, advanced group management, priority management, emergency calls, recording, geo-location information
Concurrent users	Up to 1,500 users, 750 voice calls and 50 video calls per medium edge Capacity is dependent on edge performance and network capacity	<ul style="list-style-type: none"> • Up to 200 users per medium+ edge • Capacity is dependent on edge performance and network capacity 	<ul style="list-style-type: none"> • Up to 1,000 PTV users or 20,000 PTT users • Capacity is dependent on server, edge performance and network capacity
Installation	Activate native Nokia DAC application	Click to deploy from Nokia DAC catalog	Deploy on dedicated server
Deployment model	No extra hardware on top of Nokia DA edge	No extra hardware on top of Nokia DA edge	Separate edge server
End-user devices	Verified Nokia offering or other pre-tested devices	Verified Nokia offering or other pre-tested devices	Verified Nokia offering or other pre-tested devices
Standards compliance	3GPP	3GPP, MCPTT in future releases	3GPP, MCPTT
Mobile application	VoIP client or native support in devices with VoIP configuration	Team comms client application for Android	Group Communications client application for Android
Management	Activation and OAM in Nokia DAC manager	Lifecycle management through Nokia DAC manager, OAM through own user interface	OAM through GC Web Admin Service (WAS) with own user interface
Key use cases	Preliminary voice/video, tactical bubble, construction, production	Ports, airports, warehouses, factories, utilities	Public safety, airports, mining, oil and gas

Benefits

Get the right devices for your workforce

Empower your workers with a comprehensive portfolio of Nokia Industrial ruggedized user equipment. We offer devices that meet anti-vibration specification IP 67 and 68 protection levels and can be used in all conditions.

Increase operational efficiency

Boost efficiency and productivity by extending pervasive private wireless network connectivity across your operational area and equipping your workforce with new-generation mobile devices and voice, video and broadband data communication applications.

Onboard devices seamlessly

Scale to thousands of devices using a powerful device management portal that simplifies onboarding and management. Get the most from your investment by ensuring that all your devices are optimized for the network that drives your operation.

Reduce time, effort and risk with comprehensive support

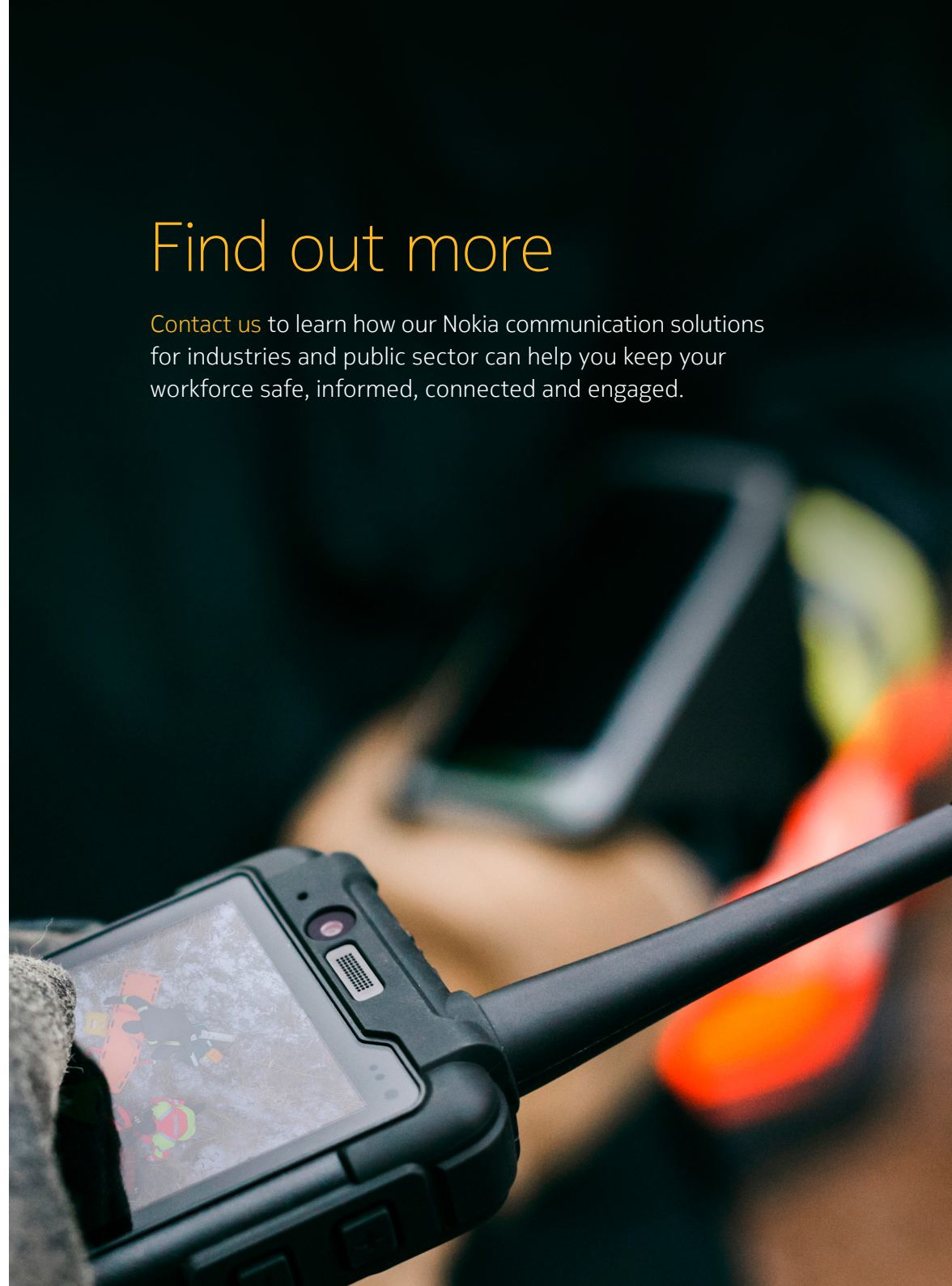
Streamline network, device and application deployment and ensure smooth operations with a pre-packaged service backed by our global team of support experts.

Succeed with a proven partner

Work with a trusted private wireless solution provider to deploy a managed device ecosystem that meets your needs. We have deployed more than 220 industrial-grade private wireless networks and support many different industrial markets.

Find out more

Contact us to learn how our Nokia communication solutions for industries and public sector can help you keep your workforce safe, informed, connected and engaged.



Nokia OYJ
Karakaari 7
02610 Espoo
Finland

Tel. +358 (0) 10 44 88 000

CID: 210313 (February)

© 2023 Nokia

NOKIA

At Nokia, we create technology that helps the world act together.

As a B2B technology innovation leader, we are pioneering the future where networks meet cloud to realize the full potential of digital in every industry.

Through networks that sense, think and act, we work with our customers and partners to create the digital services and applications of the future.

Nokia is a registered trademark of Nokia Corporation. Other product and company names mentioned herein may be trademarks or trade names of their respective owners.