



CERAGON

TECH SOLUTION BRIEF

TRANSFORMING MISSION-CRITICAL COMMS WITH MOBILE PTT

PUSH-TO-TALK THAT'S INSTANT, SECURE, AND ALWAYS AVAILABLE

In high-stakes environments - from remote oil rigs to bustling command centers - communication isn't just convenient; it's a mission-critical lifeline. For sectors like public safety, defense and energy, any breakdown in communication can jeopardize operational continuity and worker safety.

Traditional Land Mobile Radio (LMR) systems, with their limited coverage and bulky hardware, no longer meet the needs of today's agile teams. These industries require secure, real-time communication that works wherever the mission takes them. Ceragon's partner-delivered mobile Push-to-Talk (PTT) solution meets this demand, providing seamless, instant connectivity over high-performance LTE and 5G networks—onshore and offshore, while maintaining interoperability with legacy LMR/DMR systems for a smooth transition.

Our solution helps you overcome modern communication hurdles, including:

- **Safety Risks:** Downtime in critical moments can cost lives and halt operations.
- **Cyberthreats:** Sensitive data demands modern encryption and secure infrastructure.
- **Fragmented Tools:** Disconnected systems slow response and reduce field agility.
- **Rising Expectations:** Teams need more than voice - video, chat, GPS, and alerts are now baseline.



PTT That Goes Where You Go – Secure, Flexible, Mobile

FIELD-READY. MISSION FOCUSED.

This next-gen PTT platform supports a wide range of use cases:

	PUBLIC SAFETY	Instant, secure group comms & full visibility for first responders.
	DEFENSE	Secure field deployments and command center integration
	ENERGY	Remote asset oversight & worker protection
	UTILITIES	Safety tools, geofencing & smart grid support
	SMART CITIES	Asset tracking, task updates & fleet coordination



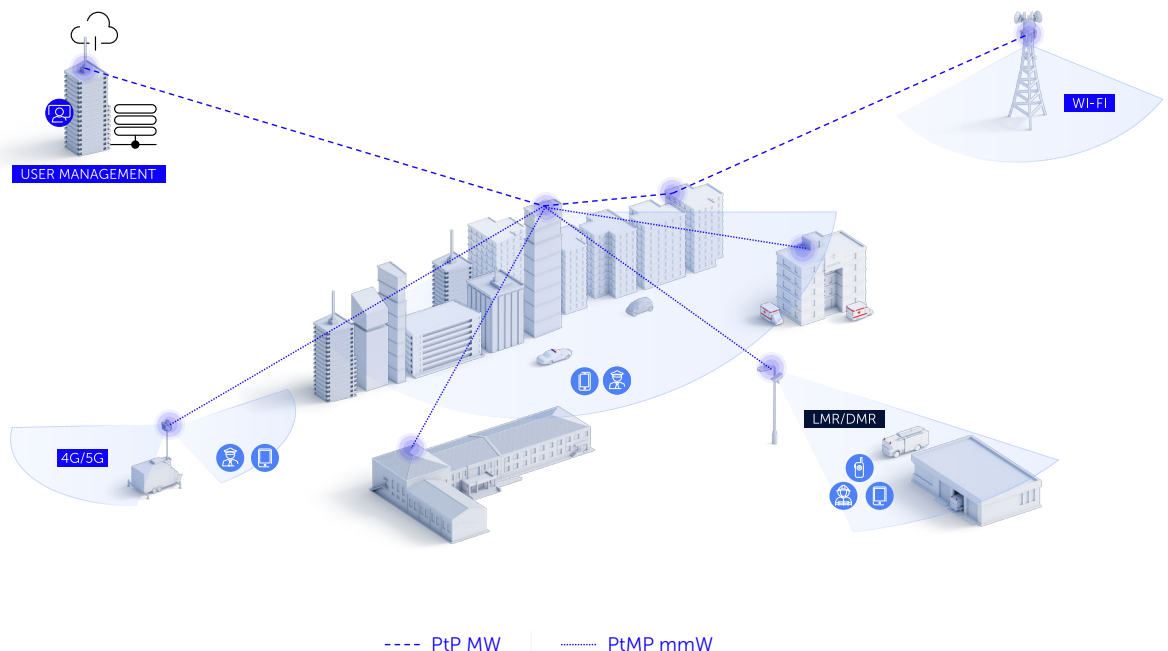
SOLUTION OVERVIEW

The mobile PTT solution is a robust, unified communications suite that transforms any smartphone or tablet into a powerful command-and-control tool. Built on Microsoft Azure P MEC, it integrates seamlessly into private LTE/5G networks for flexible deployment such as SaaS.

The platform includes three fully integrated components:

Mobile Client	A core app for smartphones and rugged devices, enabling instant PTT voice and video, secure messaging, file sharing, and location-based safety services such as worker-down and lone-worker alerts.
Devices	Advanced ATEX-compliant technology that integrates with a wide range of peripherals, including smart phones (regular and ATEX enhanced), tablets, sensors, vests, and wearables.
Software Server	A centralized platform that powers command, control, and administration. It includes the Dispatcher Portal for real-time monitoring, task management, and analytics, and the Self-Service Portal for provisioning users, managing permissions, and configuring services such as Safe Worker, sensor licensing, and communications recording.

UNIFIED PTT SOLUTION OVER ALL NETWORK TYPES



KEY SOLUTION BENEFITS

+ SIMPLIFIED OPS
& ADMIN

+ PROACTIVE
WORKER SAFETY

+ FULL SITUATIONAL
AWARENESS

+ FUTURE-READY
API

+ INSTANT COMMS
WITH ULTRA-LOW
LATENCY

+ SCALABLE, FLEXIBLE
DEPLOYMENT

+ CROSS-TEAM
CONNECTIVITY

+ SEAMLESS
INTEGRATION WITH
INTERNAL SYSTEMS



Mobile PTT: The Future of Field Comms

EXPERIENCE THE CERAGON ADVANTAGE

Let's Connect. Discover how Ceragon's end-to-end connectivity and field communications solutions enable safer, smarter operations—wherever your mission takes you. From always-on connectivity to real-time mobile coordination, we help power your network and your people.

www.ceragon.com

