

Use Case – Repsol

Advanced mission-critical communications powering safer, more efficient, and compliant refinery operations

Context - From legacy PMR to broadband MCX: enabling safer, smarter, and more connected refinery operations.

Repsol, a multi-energy company with a global presence, operates seven industrial complexes. One of them is Petronor based at Bilbao in Spain.

This high-stakes industrial environment demands **maximum safety, efficiency, and reliability** in every operation.

To meet these requirements and support its digital transformation strategy, Repsol set out to modernize its legacy PMR communication system through a phased transition toward a **broadband, mission-critical communication platform**.

The goal was to **enhance team coordination and safety, strengthen situational awareness, and ensure regulatory compliance and operational continuity**, all while maintaining uninterrupted production in a complex ATEX-classified environment.





Solution

Repsol selected Streamwide's **Team on mission (TOM)**, a field-proven MCX platform designed to meet the complex communication needs of industrial mission-critical users.

TOM provided an advanced, secure, and scalable broadband communication platform, integrating seamlessly with legacy PMR systems to ensure continuity, preserve existing investments, and enable a smooth transition toward broadband communications.



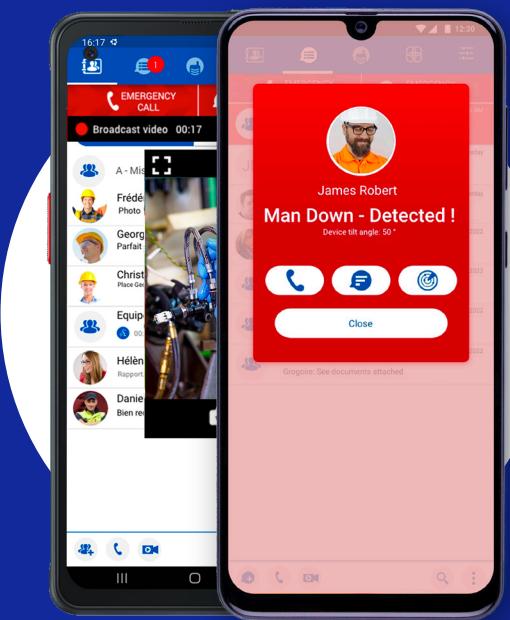
Observed results

- Increased worker safety and compliance:** Real-time emergency alerts, lone-worker protection, and compatibility with ATEX-certified devices ensure rapid response and stronger protection for on-site personnel.
- Future-ready and secure infrastructure:** A phased transition from PMR to broadband MCX communications enables scalable, secure, and resilient operations, allowing expansion to Repsol's other refineries.



Key features

- Unified MCX communications:** Integrated MCPTT, MCVIDEO, MCDATA ensure fast, secure, and reliable coordination across all teams.
- Built-in safety tools:** Geo-located SOS alerts and lone-worker protection to strengthen on-site safety in ATEX-certified areas.
- Broadband and device flexibility:** Operates over public 4G/5G networks and supports both ATEX smartphones and standard mobile devices.



Conclusion

By deploying Streamwide's **Team on mission**, Repsol has unified safety, coordination, and communication within a single secure platform.

This transformation has elevated safety standards, strengthened situational awareness, and streamlined operational efficiency, creating a scalable foundation for future deployments across the company's industrial sites.

Petronor now operates with modern, resilient, and future-ready communications, ensuring mission continuity in the most demanding conditions and setting a benchmark for Repsol's broader digital transformation journey.