

USE CASE

Modernizing Manufacturing Communications: The POTS Replacement Solution

A circular inset image showing a woman with glasses and a yellow shirt working on a laptop in a factory setting. A small white play button icon is overlaid on the image.

The Infrastructure Crisis

America's **250,000** manufacturing facilities face a critical infrastructure crisis. Legacy copper POTS lines powering alarm systems, elevator phones, fax machines, specialty equipment lines, and paging systems are failing as telecom providers decommission infrastructure while increasing rates.

When copper systems fail, consequences cascade through operations—disabling safety systems, halting production, and creating compliance violations. For 24/7 operations, communication failures cost hundreds of thousands per hour while affecting supply commitments.

The Challenge: Modernization Without Disruption

Traditional solutions demand complete overhauls requiring extensive downtime and massive investments. Maintaining aging copper means accepting costs exceeding \$100-150 per line monthly while gambling with operational continuity and safety compliance.



Solution: POTS IN A BOX® Technology



MIX Networks' 90X1 and 90X2 systems deliver analog dial tone through cellular and IP networks while maintaining complete equipment compatibility.

Safety Compliance: UL 864 certification ensures emergency systems meet regulatory requirements with superior reliability.

Operational Continuity: Battery backup and SIM failover maintain communications during outages that previously halted production.

Cost Savings: Monthly savings of \$50-100 per line redirect resources to production improvements.

Remote Management: Real-time monitoring capabilities legacy systems never offered.



The Impact: Proven Results

Facilities using POTS replacement see downtime drop 85–95%, emergency system reliability near 99.9%, and lower telecom costs with better performance, while manufacturers maintain continuity during conditions that once caused shutdowns, preserving supply commitments and competitive advantage.

Conclusion: Excellence Without Risk

POTS replacement demonstrates infrastructure modernization without operational disruption. For manufacturers where downtime impacts profitability, modern communication solutions enhance performance while minimizing transition risks.

Successful facilities eliminate infrastructure vulnerabilities while maintaining production excellence through comprehensive communication improvement without operational compromise.



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