

REDUCE DOWNTIME ENHANCE SAFETY INCREASE PRODUCTIVITY YOU'RE JUST IN TIME

BearCom has deep expertise providing technology solutions to improve productivity and safety in operations of all sizes. Read on for a few recent examples.



Wireless Communication System Deployments

- ▶ **For a large frozen foods plant**, BearCom deployed a Motorola Solutions MOTOTRBO® 7-channel system with 500+ two-way radios. The Capacity Plus solution includes 16 talk groups across multiple buildings, which ensures that all users have complete communications coverage to improve day-to-day productivity while keeping the campus more secure. To meet wireless signal requirements for first responders, BearCom added a Bi-Directional Amplifier covering the 800/900 MHz Public Safety bands.
- ▶ **A major, multi-site manufacturer** asked BearCom to solve their communications challenges. Within 12 months, our team successfully designed and installed wireless solutions that included 14,000+ two-way radios at 46 production plants along with on-going service agreements. BearCom built the systems on MOTOTRBO® digital technologies that deliver complete signal coverage in each plant, capacity for all user groups, reliable design, and intrinsically safe radios that enhance worker safety and security with Indoor Location Tracking, All Call, Transmit Interrupt, Man Down functionality, and data application interfaces. As the plants expand and evolve, BearCom continues to enhance radio coverage to meet changing needs.
- ▶ **A steel manufacturer**, who has been a BearCom customer for more than a decade, upgraded from analog VHF radios to digital conventional MOTOTRBO radios several years ago. After operating smoothly on the new system, outside interference began causing a serious employee safety problem. In response, BearCom installed a multi-channel MOTOTRBO system and our FCC licensing team secured four exclusive FB8 channels. Our *Always On* technical team installed software and re-programmed units on-site after hours over a holiday weekend, and the updated system completely resolved the interference issues.
- ▶ **An automotive after-market manufacturer** was using 6 models of lower-tier analog radios in different departments and none of the groups could communicate with each other. After realizing they needed better communication, they called in BearCom. We submitted all FCC licensing applications and have been replacing radios one department at a time with the XPR 3300e digital radios, which standardize the platform and communication protocols. To improve worker engagement and safety, Channel 16 is set up for All Call, which all radios scan.
- ▶ **An auto parts producer** relied on BearCom to successfully upgrade their communications from a legacy analog UHF LTR trunked system to a MOTOTRBO Capacity Plus digital solution, including 77 XPR 3500e radios and 2 SLR 5700 repeaters. BearCom completed the system installation, testing and acceptance, along with modifying their FCC license for digital trunking. The customer now has better equipment with a 3-year warranty, improved coverage and reconfigured talk groups to support growth. ▶

Increase
Productivity

Did you know?

Global industries lose
\$20 billion (5%)
of annual production
and nearly



of losses are preventable.*

**Wireless communication
solutions from BearCom
are a proven way to
improve operating
efficiency and increase
team productivity!**



BEARCOM[®]

Always On

 **MOTOROLA SOLUTIONS**

PLATINUM CHANNEL PARTNER

 **MOTOROLA SOLUTIONS**

Service Elite Specialist

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Additional Wireless Communication System Deployments

- ▶ **A leading global supplier of blending solutions** to the food and nutrition industries contacted BearCom to establish communications between two buildings a block away from each other. After conducting a site walk and coverage test, we established the best location to install an SLR 5700 repeater, which delivers complete coverage in the buildings as well as in the areas between the facilities. We provided XPR 3300 Intrinsically Safe radios for hazardous areas and BC250D radios for non-hazardous locations.
- ▶ **An industrial packaging producer** needed effective communications between Management, Production, Maintenance and Shipping in their large production facility and separate warehouse. Before proposing a new system, BearCom performed extensive signal testing and determined that work teams could get the coverage they needed using simple two-way channels. Since a repeater was not needed – the streamlined solution saved the customer money. Management is using XPR 3550 with the displays so they can see who is keying/talking. The rest of the staff uses CP200d radios.



BearCom BDA/DAS Example Deployments

- ▶ **After an internet retailer distribution center** introduced robotics pick-and-pack equipment with Faraday cage enclosures, they experienced RF issues that compromised communications for first responders, as well as their own operational teams. They collaborated with BearCom to install Distributed Antenna Systems (DASs) with Bi-Directional Amplifiers (BDAs). These in-building signal boosters ensure optimal performance for Public Safety teams while fulfilling mandated signal coverage codes.
- ▶ **A large manufacturer's** combined office building and production/research complex did not meet Public Safety radio coverage statutes, so BearCom boosted signal strength with a BDA, which brought the facility into compliance. During final testing, we installed two additional antennas to solve the remaining coverage issues in a shielded instrument room and a hallway where two types of construction converged.
- ▶ **In a refinery**, it was not possible to get a two-way radio signal from inside their two-story, blast-proof building to the outside. Plus, there was no access between the two floors. By analyzing radiation patterns, BearCom solved signal issues with a design that mounted a Bi-Directional Amplifier (BDA) on the first floor and added antennas on the ceiling to boost signal strength to the second floor.
- ▶ **For a robotics distribution center**, BearCom provided full RF engineering, design and deployment expertise at the 1 million-square-foot facility while working with the general contractor, electrical contractor, and fire department to install a Bi-Directional Amplifier (BDA) solution that amplified 800 MHz public safety communications. The BearCom team successfully integrated the BDA into the existing two-way radio system and donor antenna to achieve radio signal coverage throughout the building, including the four-story section on one end.



BearCom Security Camera Sample Installation

- ▶ **At a large refinery in California**, BearCom installed solar-powered cameras to monitor the perimeter and discourage people from jumping over the fence. The cameras solved trespassing issues with built-in video analytics that generate alerts to the security team's client workstations.