



# WAVE PTX: BUILDING SAFER AND MORE PRODUCTIVE OPERATIONS

Jindal Stainless Limited (JSL) is India's leading manufacturer of stainless steel slabs, blooms, coils, plates, sheets, precision strips, blade steel and coin blanks.

JSL considered using Digital Mobile Radios (DMR) in the Odisha facility to communicate with their security and operations teams; however, DMR coverage was limited. To set up a reliable network coverage at the Odisha

facility, repeaters would need to be installed, incurring additional costs for the infrastructure. Another problem was getting the frequency allotment by local regulators, a complex process requiring much downtime.

The lack of reliable communication could have improved the safety and efficiency of manufacturing operations. Teams from all operational divisions depended on each other to complete the job safely and efficiently in real time.





## Seamless connectivity for safer and higher productivity

Simplex Technologies, a Motorola Solutions Partner, identified the coverage challenges in the Odisha facility and recommended the WAVE PTX solution - Motorola's subscription-based multimedia group communication service. With WAVE PTX, security, maintenance and operational teams can instantly be connected across different devices, networks, and locations. WAVE PTX unifies the existing network of devices with the speed and interoperability of Push-to-Talk (PTT) radios, connecting users with rich audio, text, photo or video data.

Simplex Technologies demonstrated the seamless connectivity of the WAVE PTX solution with the TLK series of devices for their security, maintenance and operational teams. Simplex Technologies deployed 30 TLK 100 handheld two-way radios designed exclusively for broadband PTT for these teams. They were delivering clear audio quality wherever the location. The TLK 100 optimised the efficiency and user-friendliness of two-way radio with advanced features like location tracking, 3G/4G/LTE, Wi-Fi, Bluetooth, voice announcement and incoming call identification.

The TLK 150 is being used in the Security Control Room. Simplex Technologies' Managing Partner, Mr Paresh Mohapatra, explained, "The TLK 100 is designed for use by the operations team with easy-to-use one-button PTT and hands-free accessories to avoid driver distraction. They stay connected while on the move, which was easy with TLK 150 radio's built-in critical safety features like location tracking, emergency calling and alerts to help drivers remain safe – all the time delivering crisp and clear audio.

Simplex Technologies deployed the WAVE PTX solution in 15 days and helped train users on setting up talkgroups for the various teams. The WAVE PTX solution equips JSL's manufacturing site in Odisha with a safe environment to minimise incidents that affect efficiency and productivity. Security, maintenance and operational teams are empowered with the WAVE PTX solution to detect what they need to be aware of, communicate what needs to be done, and respond to potential issues before the concerns escalate to bigger problems.

“We are continually tasked with optimising operations, ensuring uptime and maintaining visibility throughout production. WAVE PTX increased our connectivity so we can maintain our competitiveness while ensuring a production environment that is safe and secure for employees and assets.”

**Manish Kumar Bahadur,**  
Procurement Executive at Jindal Stainless Ltd



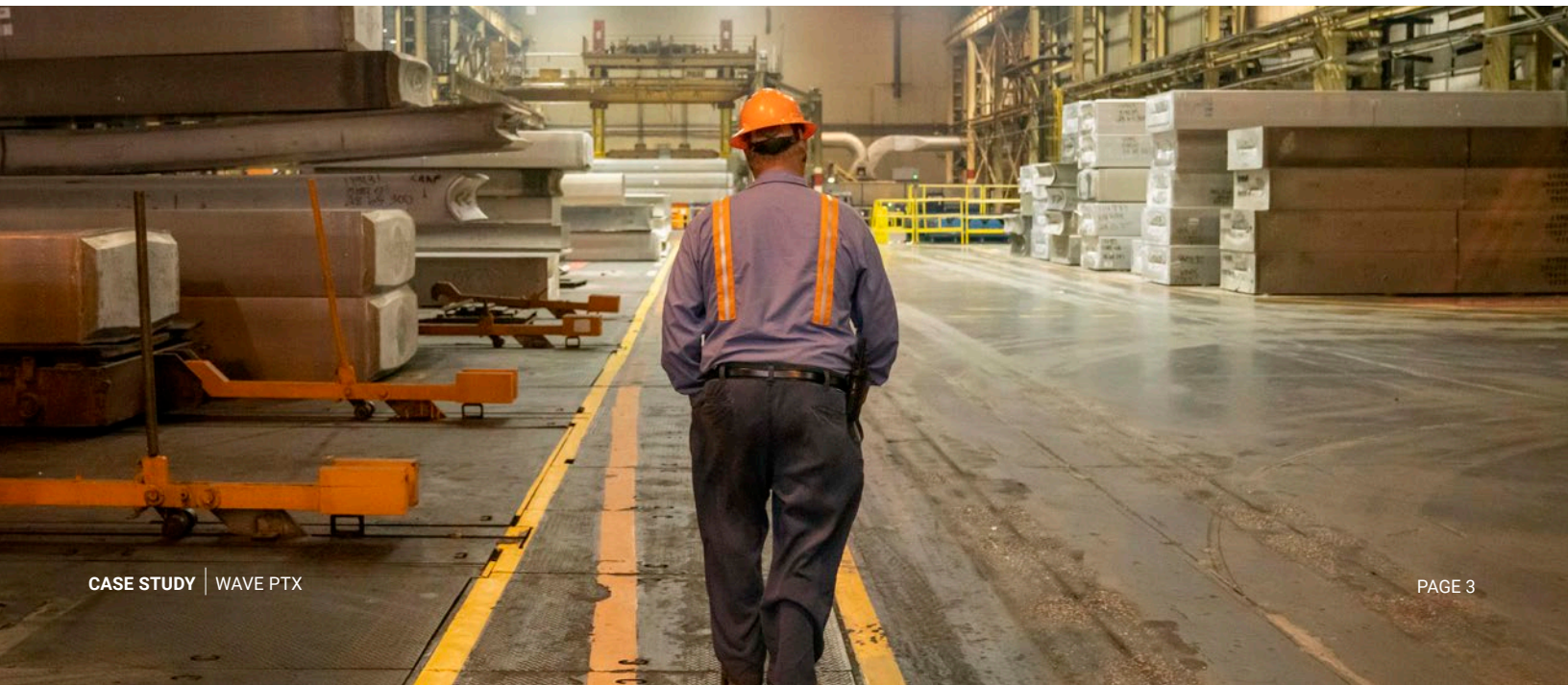




Manish Kumar Bahadur added, "Motorola Solutions is a trusted brand. We have heard about the many customer references using WAVE PTX for factories in India. We were assured of Motorola's proven track record in delivering clear audio quality and reliable coverage. The Made-in-India software and after-sales support also strengthened our decision on Motorola. These include a two-year warranty on all hardware, a one-year warranty on accessories, an accessible service centre in Bangalore, and 24/7 support from Motorola through its reliable partners. Another factor was the seamless connectivity of the complete WAVE PTX solution and the rugged, user-friendly TLK 100 two-way radios with their award-winning design."

Motorola's advanced ecosystem of technologies delivers solutions that address today's industry challenges while anticipating future demands.

WAVE PTX keeps factories like JSL safer and generates more productive outcomes with seamless and reliable communications throughout manufacturing. By unifying voice, video, and data feeds into the command centre, Motorola's advanced communications ecosystem equips users with mission-critical information for a safer and more efficient business.







## Benefits of WAVE PTX:

- **Strong partner support by Simplex Technologies** with deep knowledge of communication needs ensures customised solutions to solve coverage and connectivity issues. Downtime is minimised, users are trained adequately, and devices and software are installed promptly.
- **Reliable communication** at any location connects security teams with mission-critical multimedia information for all teams to operate safely and efficiently.
- **A centralised view** of teams and reporting for quicker response and efficiency. WAVE PTX features GPS location, an audit trail of routes taken, and a log of conversations so that a rapid response strategy can be implemented to decrease downtime, maintain productivity and ensure the health and safety of workers.
- Depending on usage, **predictable costs** from WAVE PTX application subscription keep expenses under control with fixed billing.
- **Better decision-making** with real-time data and insights for better situational awareness, timely emergency response and resource optimisation.
- **Scalable future-forward solutions** are achievable with WAVE PTX – all part of Motorola’s unified technology ecosystem to address evolving security needs.

For more information, please visit [motorolasolutions.com/waveptx](https://motorolasolutions.com/waveptx)

