

Wireless Transmission Enhances Security

at **POSCO Steel**
Industrial Sites in India



CONNECTING YOUR WORLD

Introduction

POSCO Steel's industrial facilities in India required robust security to protect assets and monitor critical perimeters. Wavesight, through partner Kalyani Strategic Management Services Limited, delivered advanced wireless transmission solutions that connect CCTV cameras across multiple plant perimeters to centralized monitoring centers, ensuring real-time, reliable security surveillance.

Challenge

- Provide secure and stable wireless connectivity for CCTV systems across expansive industrial sites.
- Overcome industrial environmental challenges and potential radio interference.
- Enable seamless video transmission for effective monitoring of entry, exit, and asset zones.
- Deliver a scalable solution adaptable to future security expansions.

Solution Overview

- Implemented a hybrid wireless transmission network combining point-to-point and point-to-multipoint radios.
- Connected CCTV cameras at plant perimeters to central monitoring rooms for continuous real-time video feeds.
- Designed the network for industrial-grade reliability, low latency, and secure data transmission.
- Collaborated closely with Kalyani Strategic Management Services for seamless deployment.

Results & Benefits

- Enhanced perimeter and asset security with reliable, centralized video monitoring.
- Improved operational awareness and risk mitigation across multiple sites.
- Scalable infrastructure supporting future surveillance upgrades.
- Wireless network resilience in challenging industrial environments.