

Wavesight Wireless Transmission

Enhances **CCTV**
Surveillance at **Mumbai**
Port Trust



CONNECTING YOUR WORLD

Introduction

Reliable, high-performance wireless transmission solutions are essential for securing critical infrastructure in challenging environments. Mumbai Port Trust required a robust network connectivity solution to transmit video feeds from CCTV cameras deployed at the historic Gateway of India to their control room. Wavesight delivered a combination of industrial-grade point-to-point and point-to-multipoint radios, ensuring uninterrupted video transmission despite high-velocity winds and water exposure challenges common to the harbor area.

The Challenge

- Provide reliable wireless connectivity for CCTV cameras at Gateway of India, a coastal site facing severe environmental factors like strong winds and water exposure.
- Enable real-time video feed transmission to Mumbai Port Trust's control center for centralized monitoring and asset management.
- Deploy a flexible wireless network architecture that can support both point-to-point and point-to-multipoint communication to cover all necessary camera locations efficiently.

The Wavesight Solution

- Industrial-grade wireless transmission system combining point-to-point and point-to-multipoint radios designed specifically for harsh, coastal environments.
- Network designed for resilient, low-latency video transmission overcoming environmental challenges such as high-velocity winds and water exposure.
- Seamless integration with existing CCTV infrastructure enabling robust and scalable monitoring capabilities at Mumbai Port Trust.
- The project was awarded to M/s Samarth Security Systems (India) Pvt Ltd who managed deployment and system integration using Wavesight technology.

Results & Benefits

- Continuous, high-quality video feed from Gateway of India cameras to the Mumbai Port Trust control room, enhancing security and operational oversight.
- Reliable wireless communication under adverse weather conditions with zero manual intervention required for network failover.
- Flexible network design supporting expansion or modification of surveillance assets in the future. Improved asset management and situational awareness boosting port security and safety.

Conclusion

Wavesight's wireless transmission solutions delivered a mission-critical communication backbone for Mumbai Port Trust, ensuring seamless, resilient CCTV video feed transmission from Gateway of India. This deployment showcases Wavesight's expertise in providing tailored wireless systems for complex urban and coastal environments.