

Cable-Free High-Speed CCTV Video Transmission

Enables **Elevator Shaft
Surveillance** at Tidel Park
Chennai



CONNECTING YOUR WORLD

Introduction

Wavesight's advanced wireless transmission solutions were deployed to connect CCTV cameras installed in elevator shafts across buildings at Tidel Park, South India's largest IT park in Chennai. The wireless network enabled simple, secure, and rapid deployment of transmitter and receiver units within the shafts and elevator cars, eliminating cable conflicts and ensuring continuous surveillance coverage.

The Challenge

- Establish secure video transmission inside elevator shafts spanning multiple buildings.
- Avoid interference with elevator control cables and maintain safe, non-intrusive installation.
- Enable rapid deployment while ensuring network simplicity and security.

The Solution

- Honeywell Automation India implemented Wavesight's industrial-grade point-to-point wireless radios configured to transmit video feeds between transmitters installed at the top or bottom of elevator shafts (connected to NVRs) and receivers mounted on elevator cars (connected to CCTV cameras).
- The wireless system replaced the need for complex cabling, mitigating cable conflicts and reducing installation time.
- The solution delivered a secure, low-latency network ensuring uninterrupted elevator CCTV monitoring.

Results & Benefits

- Reliable and cable-free CCTV video transmission inside elevator shafts enhanced security in Tidel Park.
- Rapid and clean installation minimized disruption and avoided interference with elevator controls.
- Scalable wireless networking solution adaptable to other smart building applications.

Conclusion

Wavesight's wireless transmission technology facilitated Honeywell Automation India's secure elevator CCTV installation, showcasing the effectiveness of industrial wireless radios in challenging smart building environments. This project highlights Wavesight's capability in delivering robust wireless solutions for novel applications requiring quick deployment and high reliability.