

Wireless Transmission Enhances

CCTV Surveillance
at **BPCL Kochi Refinery**



CONNECTING YOUR WORLD

Introduction

Wavesight expanded its industrial wireless transmission technology to the BPCL refinery site in Kochi, Kerala. Partnering with Mumbai-based systems integrator CMS Computers Ltd., Wavesight deployed wireless radios connecting CCTV cameras across the facility, delivering a scalable, dependable solution for continuous real-time surveillance in a complex industrial environment.

Challenge

- Ensure uninterrupted and secure video monitoring of critical refinery assets.
- Avoid costly and disruptive fiber optic cabling installations within an operational facility.
- Provide stable, long-distance wireless connectivity in an industrial setting with potential interference.

Solution

- Deployed Wavesight's high-performance wireless radios to establish secure, low-latency links between camera locations and the control room.
- CMS Computers managed integration, ensuring seamless operation with BPCL's existing CCTV infrastructure.
- Designed the network for resilience against environmental and industrial interference and scalability for future expansion.

Results:

- BPCL now benefits from reliable, real-time surveillance with reduced maintenance complexities.
- Eliminated the need for costly fiber deployment, reducing installation time and expense.
- Established a flexible wireless infrastructure supporting future monitoring growth and improving site security.