

Securing Adani Solar Sites

with Scalable Wireless
Perimeter Surveillance



CONNECTING YOUR WORLD

Introduction

Wavesight's industrial wireless transmission solutions delivered robust connectivity to secure CCTV cameras installed at multiple Adani Solar sites. These solutions enabled perimeter protection over distances up to 5 kilometers at locations including Kanasar (Bikaner), Bhatinda (Punjab), and the Mundra Wind plant in Gujarat, ensuring continuous surveillance and asset protection.

The Challenge

- Connecting widely dispersed solar and wind facilities with reliable, long-range wireless connectivity.
- Managing geographic and environmental challenges across diverse regions.
- Supporting real-time, high-bandwidth video surveillance for comprehensive perimeter security.

The Solution

- Digitron Pvt Limited deployed Wavesight's industrial-grade point-to-point wireless radios tailored for critical infrastructure security.
- Wireless transmission links were established between CCTV networks across multiple sites, delivering low-latency, high-quality video feeds.
- The resilient, scalable network minimized infrastructure costs and enabled fast deployment while maintaining reliable security coverage.

Results & Benefits

- Continuous, high-quality video surveillance enhanced perimeter security for Adani Solar's renewable energy sites.
- Wireless technology reduced dependency on costly cable-based infrastructure and simplified network expansions.
- The solution supports future growth and modernization needs with scalable wireless networking.

Conclusion

Wavesight's wireless transmission products empowered the secure connectivity of geographically dispersed solar and wind power assets, demonstrating advanced capabilities for industrial wireless networks in critical infrastructure sectors.