



ORGANISATION
JINDAL POWER & STEEL

LOCATION
ANGUL

INDUSTRY
POWER & STEEL

APPLICATION
PLANT SECURITY

TECHNOLOGY PARTNERS
ALCON

JINDAL POWER & STEEL ANGUL CAMPUS CASE STUDY

OVERVIEW

JSPL is an industrial powerhouse with a dominant presence in steel, power, mining and infrastructure sectors. Part of the US \$ 22 billion OP Jindal Group, the Company is continuously scaling its capacity utilisations and efficiencies to capture opportunities for Building A Nation of Our Dreams.

The CCTV surveillance system has been installed to ensure proper working of all the sub plants, to guard against existing security risks, and to monitor the operations.

CHALLENGES

The steel industry is a 'heavy industry' and can be a dangerous trade, with the heat of hot metal, airborne contaminants and noise. In order to improve safety, JSPL wanted advanced, integrated and cost-effective surveillance solutions that help in deterring and detecting any activities. Effective surveillance, monitoring and control were the main aspects here to prevent any mischievous activity and monitor suspicious people, objects or vehicles etc.



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CUSTOMER NEEDS

- Create a top range control room for alarm and event monitoring.
- Ensure all priority locations are covered by the network cameras.
- Install PoE supported network cameras which are simple and easy to be updated.
- Ensure high image quality of the primary stream.
- Install a smart NVR to monitor, record and playback camera streams including alarm triggered events.
- Manage the NVR recorded video file sizes by optimizing the streaming protocols.
- Devise a way to get camera streams to the control room from areas where cable connectivity is non-existent.
- Allow for a smart system to detect and alarm when employees or guests enter or loiter in restricted areas.

SOLUTION

A comprehensive surveillance solution with high availability, performance, scalability and user-friendly managed surveillance service was provided by ALCON, which would integrate with the existing local area network (LAN) and power system. Therefore, Alcon cameras were installed to the poles (with Power) and other locations.

ALCON integrated security solutions in JSPL involved advanced CCTV systems with the latest technologies for HD recording where admin users can view all cameras at any time from any place through Web and Mobile app. The solution included 2/5MP cameras with day/night vision, NVRs for recording and LED displays at the control room, And the server here can store 30-40 days of full HD recording.

- Live data about all CCTV devices (Cameras, NVRs etc.) such as up-time and downtime
- Immediate alerts at CCC and on SMS for Power Supply, Camera Fault, NVR or HDD Fault etc.
- Live Status of All Campuas ,Entry Gate, Campus Road etc.
- In order to ensure all client requirements were met, we started by installing a state-of-the-art, high-tech security surveillance system with onsite CCTV recording and monitoring capabilities throughout their outlets. Our team then utilized the latest surveillance software to identify all employees and ensure all alarms functioned properly and notified the people responsible. The software also had in-built recording and archiving facilities ensuring the client could drop in at any time to view the CCTV cam at any of his premises.
- We also set up teams to provide 24-hour support services for multiple time zones, while deploying resources to work in two different time shifts. Finally, our experienced team established a well-documented and optimized workflow to increase the efficiency and productivity of the client's in-house team.

RESULT

"We are delighted with how easy it has been to successfully integrate the Alcon cameras with our existing video management platform and our other supervision monitoring systems "Our control room operators have been particularly impressed with the exceptional clarity of the images captured by the cameras and the data analytics capabilities of the system, which are enabling them to accurately visually verify what may be occurring and quickly take appropriate action."

