An Indian Power Giant Trusts Matrix SATATYA SAMAS for its Centralized Video Surveillance Requirements

Case Study

Industry:

Government

Location:

Uttarakhand, India

Company Profile

Being a big name within the power industry, this Indian power giant is a prominent public sector power utility company in India. It specializes in hydropower generation and allied activities, operating under the Ministry of Power, Government of India. With a focus on clean, sustainable, and affordable power, the company has completed multiple large-scale hydroelectric projects, contributing significantly to India's energy sector.

Business Scenario:

This Indian power giant faced a substantial hurdle with its current surveillance setup, which included 128 IP cameras and NVRs of different models and makes scattered throughout the plant. The diverse range of cameras posed a significant challenge, hindering centralized video surveillance. This lead to delayed detection of security incidents, increased response times, and an overall compromised security posture for the plant. Additionally, they were unable to find a video management software that could easily integrate with all third-party IP cameras and NVRs spread across the plant.

Challenges:

• Absence of centralized video management solution for over 100 IP cameras and NVRs deployed at multiple locations in the plant, leading to difficulties in monitoring

• Difficulty in finding a Video Management Software (VMS) that could integrate with different third-party IP cameras and NVRs

• IP cameras and NVRs from different brands had varying user interfaces, leading to confusion among users

• Inability to integrate Automatic Number Plate Recognition (ANPR) with the VMS, representing a missed opportunity for enhanced access control and vehicle tracking

Solution:

Matrix provided a solution to the Indian power giant with SATATYA SAMAS - Enterprise Video Management Software. All 128 IP cameras and NVRs spread across the plant seamlessly integrated with SATATYA SAMAS, offering smooth monitoring capabilities. The Admin Client simplified the addition of cameras and NVRs, and the Smart Client allowed for easy playback and monitoring. The Mobile Client enabled remote monitoring from anywhere, ensuring plant surveillance could be conducted on the go. SATATYA SAMAS effectively addressed the challenges, providing a user-friendly video management platform that significantly improved overall security system efficiency.

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Matrix extended its expertise by introducing an Automatic Number Plate Recognition (ANPR) solution at 12 entry points within the plant location. This strategic implementation ensured that every vehicle entering the plant premises underwent a mandatory authentication process at the gate. Only after successful authentication were vehicles granted access to the premises. The ANPR solution played a crucial role by capturing the license plate of each entering vehicle, converting it into a digital number, and securely storing it in the database. This comprehensive approach not only fortified security measures at each entry point but also established a reliable record-keeping system for enhanced monitoring and control of vehicular access.
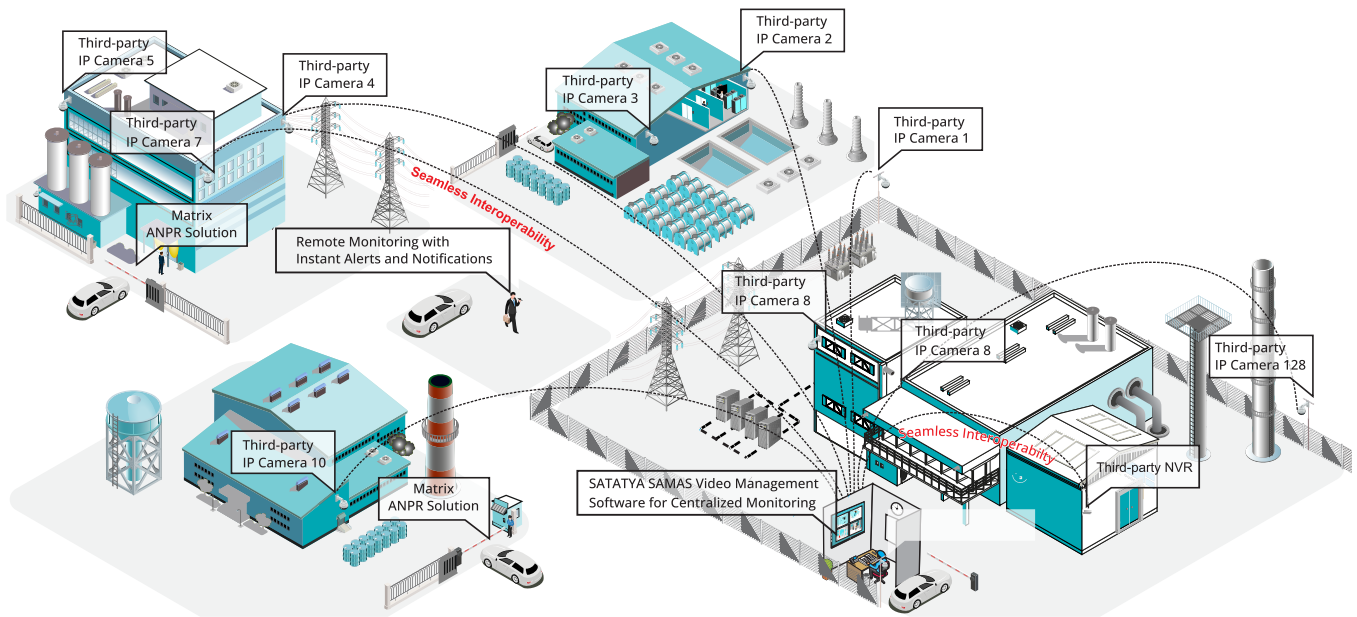
Benefits:

- **Interoperability:** SATATYA SAMAS facilitated seamless integration with diverse IP cameras and NVRs, irrespective of their models or brands, ensuring a unified and interoperable video management system.

- **Efficient Monitoring:** The centralized system enhanced plant-wide monitoring from a single interface.

- **Effortless Management and Playback:** The user-friendly Admin Client streamlined camera and NVR management, while the Smart Client enabled easy playback and monitoring for swift security response.

- **Remote Monitoring:** The Mobile Client allowed on-the-go plant surveillance from any location along with instant notifications and alerts for quick response.

- **Enhanced Access Control:** Matrix's ANPR solution strengthened access control by authenticating vehicles.

- **Improved Vehicle Tracking:** ANPR solution captured and stored license plate information, enhancing vehicle tracking and security.

Products Offered:

- **Matrix License Dongle 200 (1)**
  USB Dongle to Run Matrix SATATYA SAMAS

- **SATATYA SAMAS PLT (1)**
  Enterprise Video Management Software

- **SATATYA SAMAS CAM100**
  License for Adding 100 Additional Cameras

- **SATATYA SAMAS CAM20**
  License for Adding 20 Additional Cameras

- **SATATYA SAMAS CAM05**
  License for Adding 5 Additional Cameras

- **SATATYA SAMAS USER03**
  3 Concurrent User Licence for Smart Client and Mobile Client

- **SATATYA SAMAS ANPR10**
  Automatic Number Plate Recognition (ANPR) Licence for 10 Cameras

- **SATATYA SAMAS ANPR01**
  Automatic Number Plate Recognition Licence for 1 Camera

Solution Diagram

Third-party IP Camera 5

Third-party IP Camera 4

Third-party IP Camera 7

Third-party IP Camera 2

Third-party IP Camera 3

Third-party IP Camera 1

Matrix ANPR Solution

Remote Monitoring with Instant Alerts and Notifications

Seamless Interoperability

Third-party IP Camera 8

Third-party IP Camera 8

Third-party IP Camera 128

Third-party IP Camera 10

Matrix ANPR Solution

SATATYA SAMAS Video Management Software for Centralized Monitoring

Seamless Interoperability

Third-party NVR

Solution Diagram : Seamless Integration of Third-party IP Cameras and NVRs with Matrix SATATYA SAMAS within the Plant Location
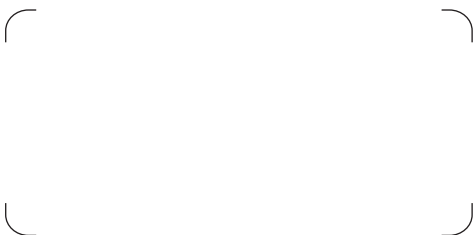
About Matrix

Established in 1991, Matrix is a leader in Security and Telecom solutions for modern businesses and enterprises. As a technology-driven, and customer-focused organization, the company is committed to keeping pace with the revolutions in the Security and Telecom industries.

With around 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products like Video Surveillance Systems – Video Management Systems, Network Video Recorders and IP Camera, Access Control and Time-Attendance Systems as well as Telecom Solutions such as Unified Communications, IP-PBX, Universal Gateways, VoIP and GSM Gateways and Communication Endpoints. These solutions are feature-rich, reliable, and conform to international standards.

Having global footprints in Asia, Europe, North America, South America, and Africa through an extensive network of more than 4000+ channel partners, Matrix ensures that the products serve the needs of its customers faster and longer.

Matrix has ISO 27001: 2013, 20000-1 2018, 14001- 2015, and 9001: 2015 certifications for quality management standards. Matrix has also been awarded ZED Quality Certification, and DSIR Certification for indigenous R&D and Manufacturing. Matrix has gained the trust and admiration of customers representing the entire spectrum of industries.

For further information, please contact:

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