

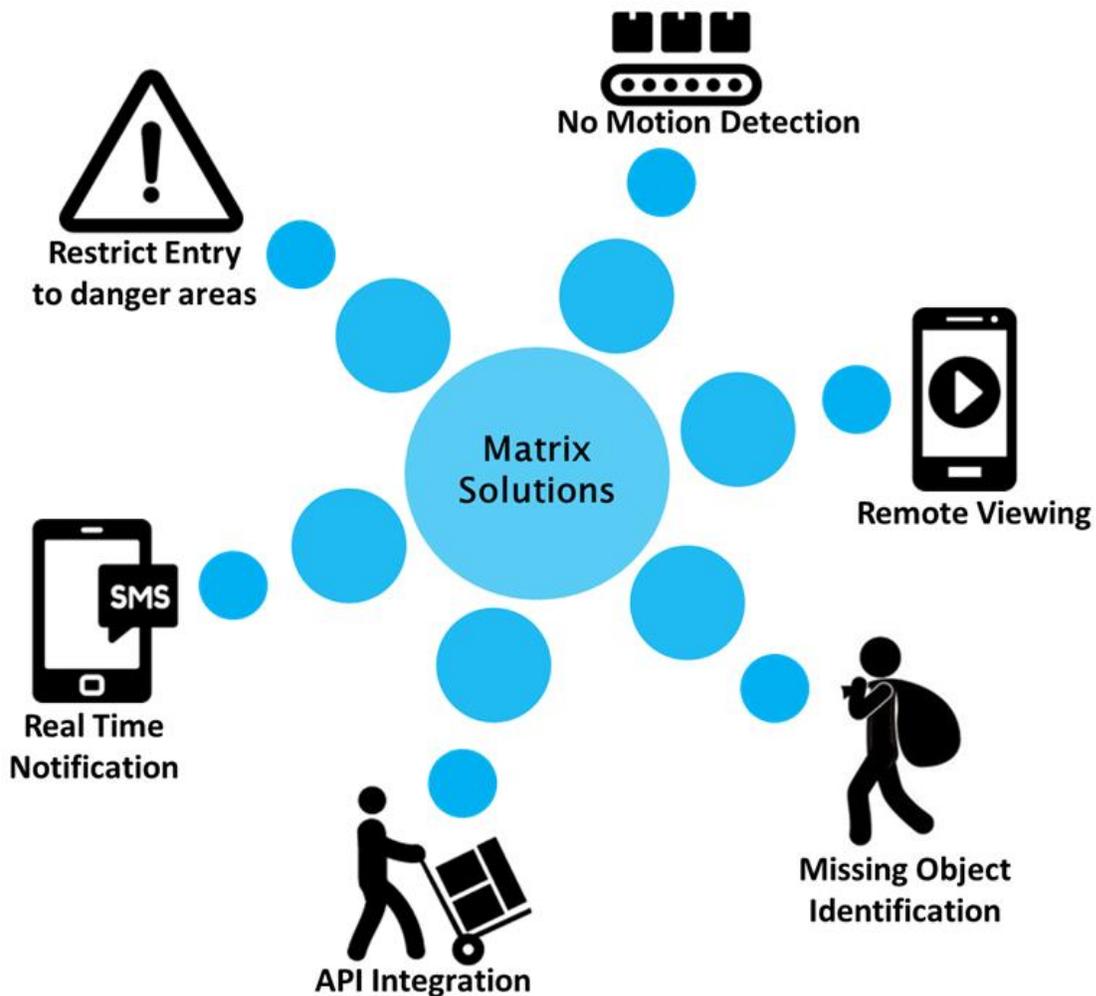
APPLICATION NOTE FOR MANUFACTURING

PRODUCT: Matrix Video Surveillance Solutions

CURRENT SCENARIO:

Dolphin Manufacturers Pvt. Ltd, a large manufacturing unit, needed a video surveillance solution to secure the huge investments it had made in terms of infrastructure, resources and manpower. Besides security, Dolphin Manufacturers Pvt. Ltd. was looking for a solution that could enhance safety of employees, ensure uninterrupted production cycle, prevent theft, increase accuracy of loading operations and improve employee discipline.

APPLICATION DIAGRAM:



PROBLEMS FACED BY THE CUSTOMER

SAFETY AND SECURITY

- **Employee safety:** Employees not walking on the dedicated walkways in the production area and casually walking through danger zones, causing frequent accidents leading to strike/closure of operations
- **Material Theft:** Costly copper windings were often stolen from the shop floor.

DISCIPLINE

- **Inaccurate Loading:** Customers often complained of delivered goods not being in accordance with the order placed leading to delay in payments and loss of repeat business
- **Casual Attitude:** Stopping of conveyor belts in the manufacturing unit was not noticed and reported to the superior instantly as employees were not attentive leading to lower productivity
- **No Real Time Knowledge:** The respective authority was made aware of any exceptional situation long after it had occurred
- **Remote Viewing:** Supervising became all the more difficult when owner was busy travelling and employees had a free run, due to which productivity was affected

MATRIX VIDEO SURVEILLANCE SOLUTION ADVANTAGES:

SAFETY AND SECURITY

- **Inbuilt Video Analytics:** All the danger areas were selected on the monitor and an immediate SMS & Email notification was issued to the respective authority whenever any employee entered the danger zone
- **Missing Object Detection:** Copper windings on the shop floor were marked on the screen which led to immediate notification to the respective authority whenever anybody tried to move the windings

DISCIPLINE

- **No Motion Detection:** Any stopping of the conveyor belt was immediately identified through no motion detection and reported to the concerned person via SMS
- **API Integration:** API Integration with third party software such as billing software and weigh bridge ensured recording started as soon as the loading slip was prepared, so there was no dispute with the customer over wrong delivery
- **Real Time Notification:** Real time notification of entry into the danger zone, copper theft and stopping of conveyor belt was sent through SMS and E-mail along with a snapshot to ensure timely actions



- ***CMS and Mobile App:*** Free CMS and Mobile app helped in ensuring that everything was in order while the owner was travelling

APPLICATION DIAGRAM:

CONCLUSION:

After implementing the solution provided by Matrix, Dolphin Manufacturers Pvt Ltd. benefited in the following ways:

- Real-time Security
- Enhanced Employee Safety
- Improved Productivity
- Prevented Thefts
- Improved Efficiency
- Accurate Loading Operations

***Due to continuous technology up-gradation, product specifications and features are subject to change without notice.
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