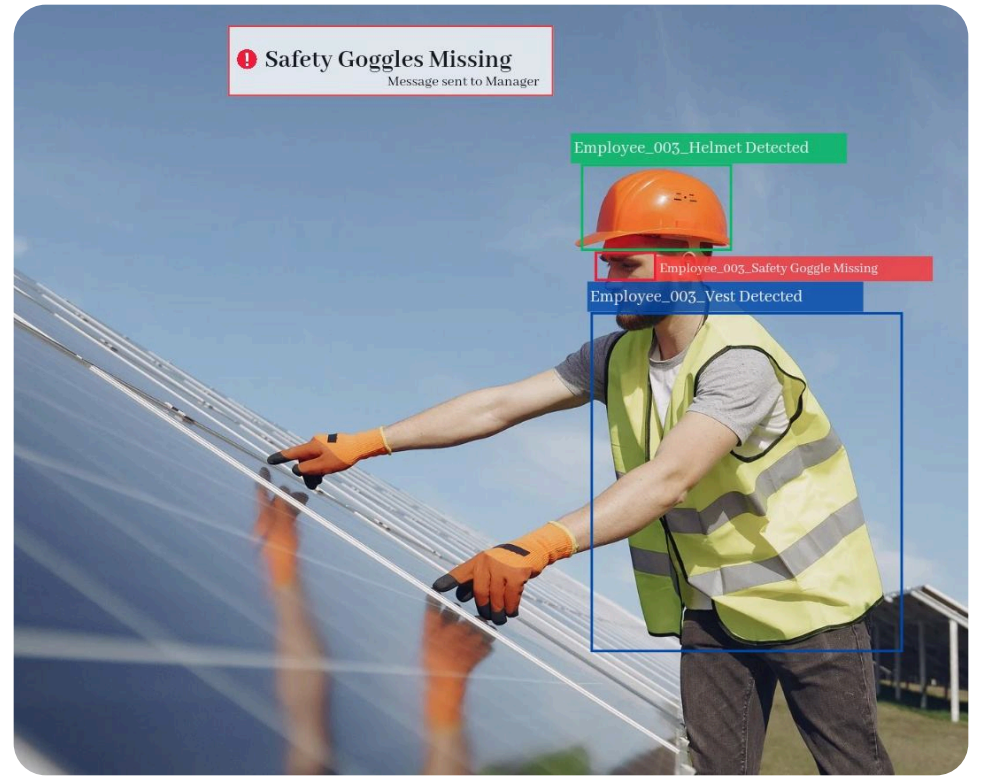


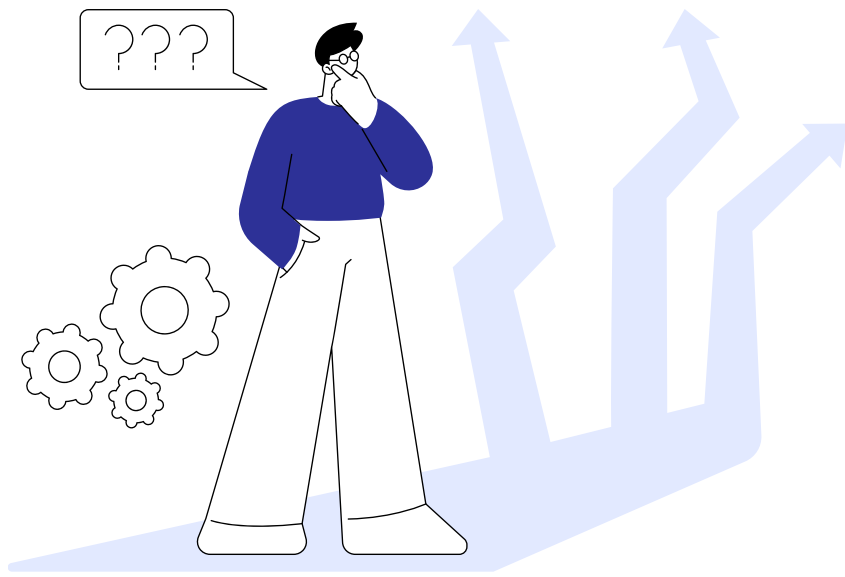
Workplace Safety

Improving Safety Compliance for a Solar Energy Power Developer



Client Overview

- India's one of the fastest-growing renewable energy power developer.
- Aims to provide custom built affordable solutions that deliver economic savings to customers.

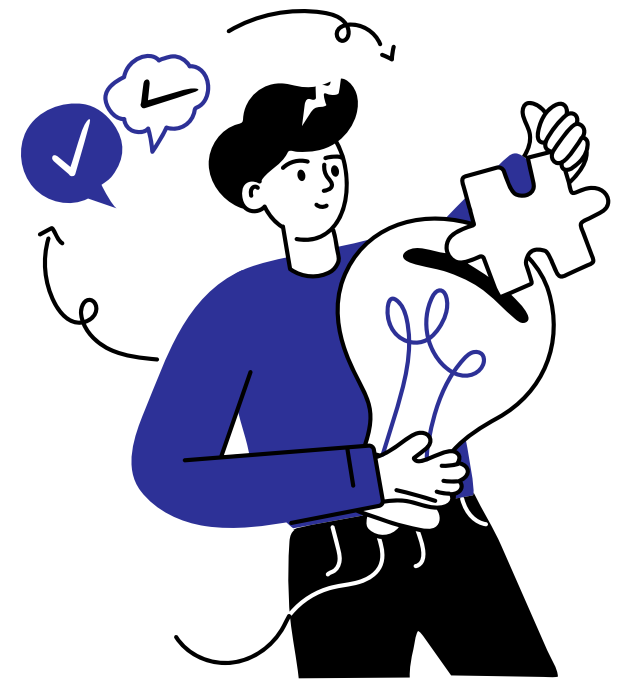


Problem Statement

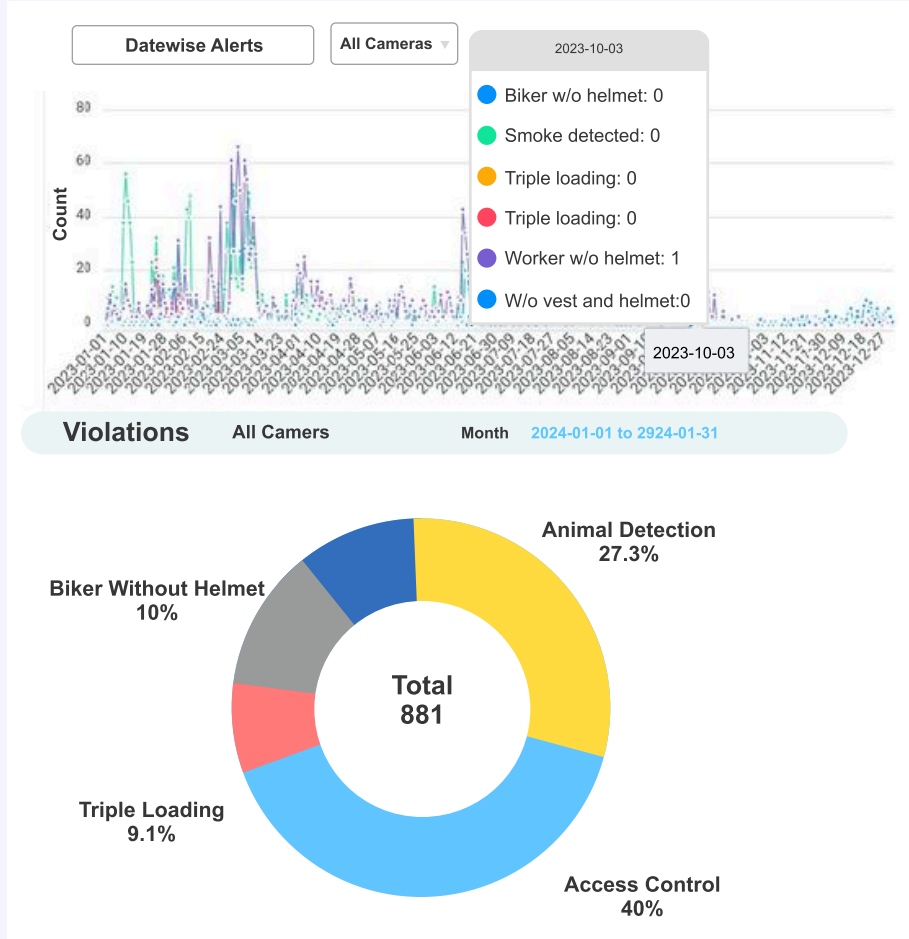
Client faced safety and security challenges, including efficient threat detection and compliance enforcement.

Assert AI's Solution

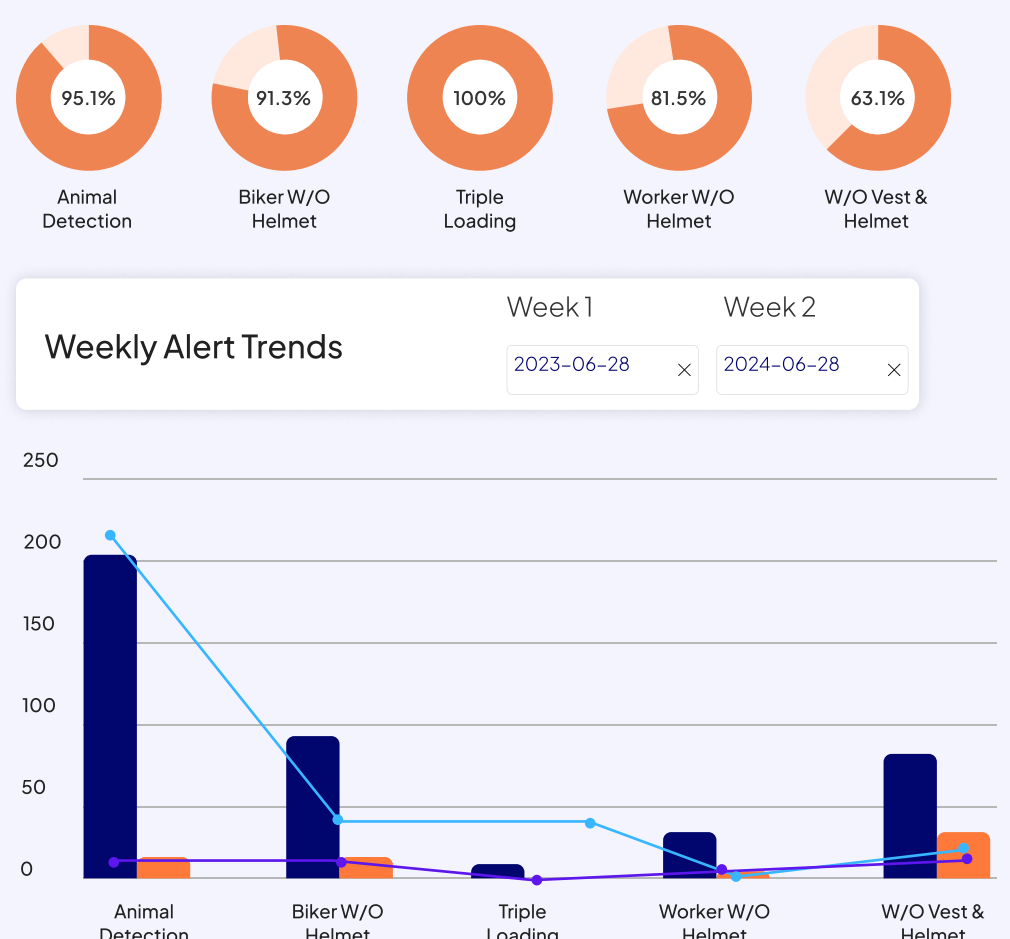
We ensure safety by detecting threats and enforcing safety protocols. We monitor site access, enforce regulations, and instantly alert security of any violations, minimizing risks, and ensuring compliance.



Dashboard



Key Metrics



Use Case Implementation

Animal Detection
Detect & Alert for potential animal threats on premises

Licence Plate Detection
Detect vehicle movements, track license plates for to identify vehicles in real-time

Vehicle with Triple Loading
Detect vehicle overload, prevent damage, ensure site safety

Biker Without Helmet
Detect helmet-less bikers, alert security for immediate action

Helmet & Vest Detection
Enforce strict PPE compliance in designated areas & trigger alerts in real-time

Achievements

- Reduction in Safety Violations**
Achieved **81.5%** reduction in worker w/o helmet and **63.1%** reduction in w/o helmet & vest alerts with strict PPE compliance and constant real-time alerts
- Enhanced Security**
Significantly improved security by enabling real-time intrusion detection, ensuring strict access control, and monitoring for unsafe behavior