Construction Sites
Use Case

Construction sites are prime targets for theft and vandalism, particularly after working hours. Traditional security measures often rely on extensive personnel or suffer from frequent false alarms, increasing costs and disrupting operations.

"Security is the backbone of any construction project. Without it, the structure is vulnerable to threats that can compromise both the project's integrity and the safety of its workers." — Construction industry experts

Solution

OutWatch provides an effective solution through its AI-based alarm monitoring system. By integrating with any existing camera or NVR, OutWatch implements an AI vision analytics model that processes alarm images to:
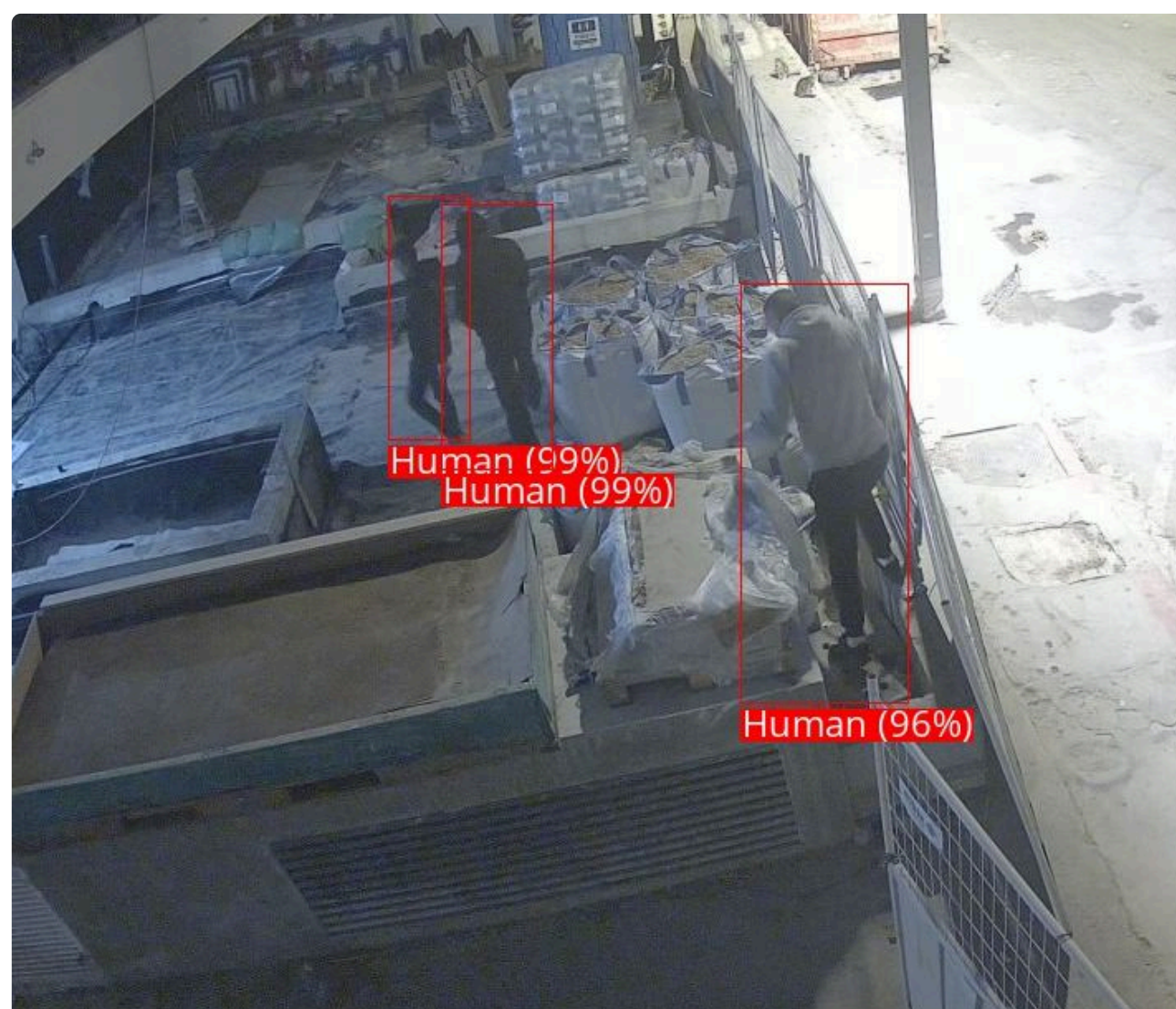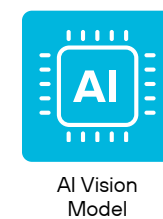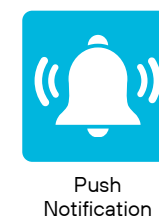
- ✅ Identify and classify potential threats with **98% accuracy**
- ✅ Distinguish genuine alerts from false triggers
- ✅ Reduce false alarms by approximately **95%**

Only when a verified threat is detected, OutWatch sends real-time notifications, to allow accurate and prompt response.

OutWatch redefines construction site security by delivering accurate, real-time monitoring and reducing reliance on personnel. Its flexibility and effectiveness make it an indispensable tool for safeguarding equipment and ensuring project continuity.

How It Works?

1. **Camera Detection** - Cameras with motion detection/analytics send alarms to OutWatch server.
2. **OutWatch Analysis** - Alarm images are processed through proprietary AI Vision analytics model and system identifies and classifies potential threats.
3. **Smart Notification** - Push notifications sent immediately to end-user smartphones. Only verified threats of interest trigger alerts.

Push Notification   AI Vision Model   Cross-platform Compatibility   Object Classification

OutWatch can detects objects precisely in detail-saturated environments

Benefits

Cost Savings
OutWatch minimizes the need for extensive security staff, while its false alarm reduction (approximately 95%) prevents unnecessary responses, lowering operational expenses.

Immediate Alerts
Real-time notifications enable site managers to address breaches promptly, protecting valuable assets.

Tailored Detection
Customizable threat classification and sensitivity settings adapt the system to the site's specific security requirements.

"The cost of security measures is a small price to pay compared to the potential losses from theft, vandalism, or accidents due to inadequate security."