



# OVERVIEW OF **SAFETY** SOLUTIONS

 **FirstStep.ai**

PRODUCT BROCHURE  
v2025.04

# Vehicle and Personnel Monitoring

## Product Summary

The Safety Intelligence system **upgrades existing CCTV networks** with AI-powered monitoring, adding advanced safety and security features without replacing hardware. It enables real-time person tracking, fall detection, PPE compliance, and vehicle monitoring, helping businesses create safer, more compliant workplaces.

## Benefits

By transforming standard CCTV cameras into AI-enabled safety monitors, businesses can enhance safety and prevent incidents using their existing CCTV network—no additional cameras required. The system seamlessly integrates over LAN and requires only a simple GPU-enabled hardware module, delivering powerful real-time monitoring without disrupting current infrastructure.

## Unique Selling Points

1. **Simple Installation:** Requires only a GPU-enabled hardware module, with no complex setup
2. **No Additional Cameras:** Transform existing CCTV cameras into AI-enabled monitoring tools.
3. **Real-Time Monitoring:** Monitor people, vehicles, productivity and restricted areas.

## Key Features

- AI-driven person tracking, PPE compliance, and fall detection.
- Vehicle monitoring with intelligent speed estimation.
- Collision detection and hazardous area monitoring to prevent accidents.
- Plug-and-play setup - works with existing CCTV feeds, no additional cameras needed.



# Early Fire Detection

## Product Summary

Early Fire Detection provides **real-time fire monitoring** to enhance safety in industrial facilities and forested areas. Using AI-powered analysis and camera infrastructure, the system detects fires early, sends alerts, and provides critical data to first responders, ensuring faster emergency responses and reduced damage.

## Benefits

Enables rapid fire detection, enhances safety, reduces response times, and minimises damage. Supports real-time tracking, provides actionable alerts, and integrates seamlessly with existing or new camera systems for flexible deployment.

## Unique Selling Points

1. **AI-Powered Detection:** Continuously monitors for fires, detecting smoke or flames in real time.
2. **Instant Alerts:** Sends SMS/email notifications within seconds of fire confirmation.
3. **Versatile Deployment:** Compatible with cloud-based and on-premise systems.
4. **Critical Data Sharing:** Provides fire size, location, wind direction, and more for effective response.

## Key Features

- Real-time monitoring with AI-enabled fire and smoke detection.
- Integrates with existing PTZ cameras or includes new camera setups.
- Cloud-based portal for live tracking and response coordination.
- Notifications delivered via SMS and email to first responders.
- 5G and Starlink modem compatible.



# Client Success Story

## Client: Anheuser-Busch (AB InBev Southern Africa)

**Challenge:** Frequent errors in human quality inspections leading to inconsistent crate quality and internal disputes over delivery and raw material quality.

**Solution:** Implemented the FirstStep.ai FCI, ECI and Closed Loop Rejection.

**Result:** Eliminated the need for human quality inspections, strengthened brand association with quality, resolved internal disputes over delivery and raw material quality, and significantly enhanced operational efficiency.

### Quotes from client:

- "Results are incredible"
- "Project payback period is looking like days, not years!"
- "No one has seen rejection done without [physical] sensors or triggers"



# All Solution Categories



## Production Intelligence

Optimise production with AI-driven quality control.



## Monitoring Intelligence

Forecast and prevent downtime with AI-powered monitoring.



## Safety Intelligence

Ensure safety across your plant with AI-enhanced monitoring.



## Operations Intelligence

Streamline shift-based operations with AI assistance.

