

Practical 5G Use Cases



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Management team



KENNY (COO)
Product owner

Deep experience in
machine computer integration



WARREN (CEO)
Product direction & strategy

Startup experience
in US/HK/China



JERIC (CTO & ARCHITECT)
Cloud expert

Overall architecture &
cloud data platform



CATHERINE (CFO)
Finance & Marketing

Startup experience in trading,
accounting and logistics



VENANT (ADVISOR)
Video codec expert
Deep experience in live
(and edge) video processing

Recent Project - LiDAR

Our LiDAR Traffic Management System (LTMS), with the use of 3D LiDAR, provides the solutions of “Vehicular Detection”.

- ❑ Ethical & Privacy
- ❑ Enhance safety
- ❑ Data Collection
- ❑ Value-adding for future infrastructure planning





SaferAI



Turns
live videos
into accurate
actionable
analytics

FEATURED FUNCTIONS

Site worker
entry/exit counts



Designated work clothing
non-compliance



PPE non-compliance

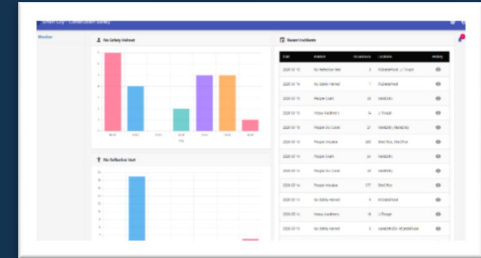


Heavy machinery
area detection



PROBLEM SOLVED

Decreases
data collection time
by 95%





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SaferAI



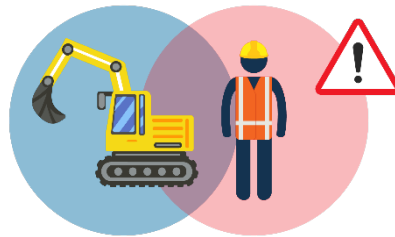
Heavy machinery
proximity warning system

FEATURED FUNCTIONS

Performs proximity
detection

+

Alerts workers who are
too close to the
heavy machinery



PROBLEM SOLVED

Detects workers accurately

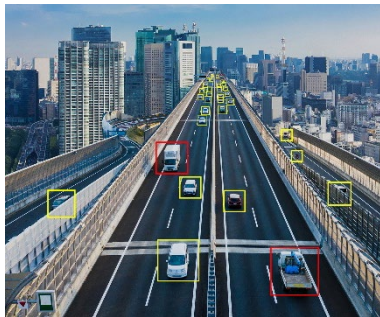
+

Prevents accidents
from happening





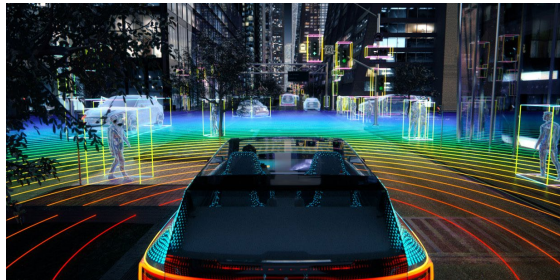
LiDAR
traffic detection



FEATURED FUNCTIONS

Collects real-time data from:

- Traffic speed
- Vehicle types
- Traffic flow
- Traffic conditions

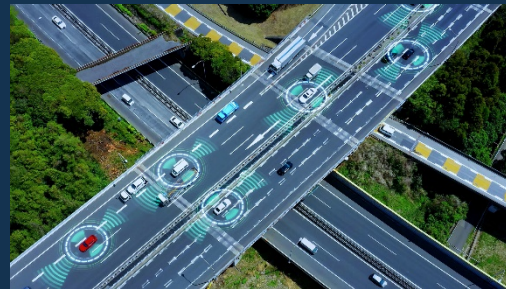


PROBLEM SOLVED

Avoids inaccurate
manual measurement

+

Avoids privacy concerns





Smart Construction Security Camera - SCSC

SCSC is an all-in-one product, built-in 5G & AI capabilities for quick installation

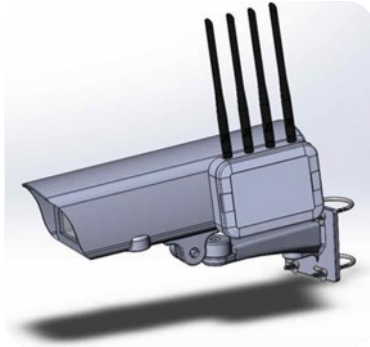
- 5G real-time detection of PPE non-compliance
- Expanded to other safety-related use cases.

Hybrid system with local AI processing for performance and a cloud component:

- Data storage
- User interface
- Remote alerts

FEATURED FUNCTIONS

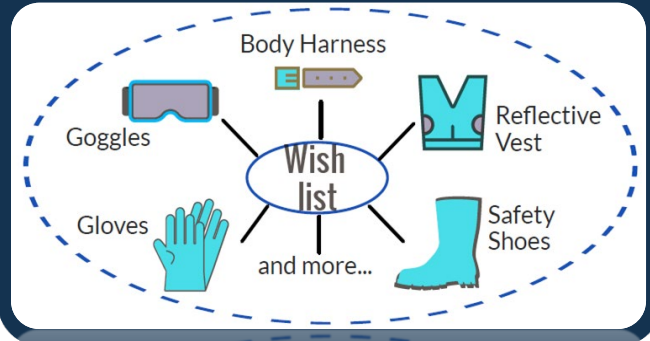
- People counting
- Safety helmet compliance calculation
- Safety vest compliance
- Real-time detection of safety violations



PROBLEM SOLVED

Customize complete edge compute for instantaneous alerts

Functionality + Wish list





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