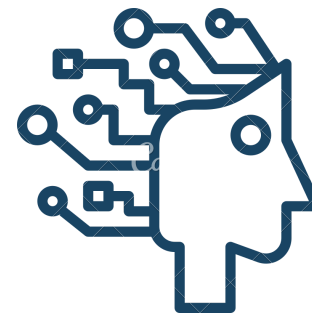# MAKING CCTV SMARTER

FROM REACTIVE TO PROACTIVE

ARTIFICIAL INTELLIGENCE

Ai

GROUP

Ai For

- BUSINESS EFFICIENCY
- RISK MINIMISATION
- COST EFFECTIVENESS

With over 35 years experience, Ai Group is an Australian owned company with a team of more than 150 software developers both locally and internationally that focus on delivering video based Ai solutions for all types of industries. Our company is a leader in developing unique cutting-edge Ai technology which can be customised to client specific requirements.

We have redesigned the CCTV industry to see through the chaos and identify abnormal /undesirable events that are important to organisations. This is the future of business process monitoring which is supported by Ai & deep machine learning algorithms that let our clients focus where it matters most.
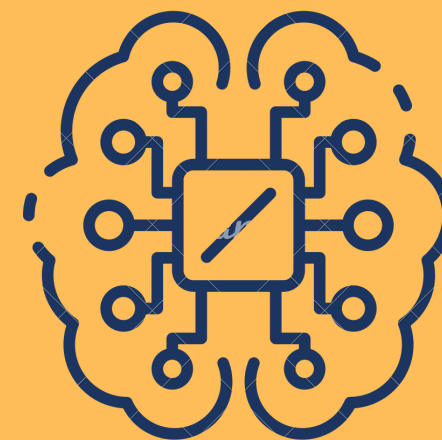
Our services are offered to all types of industries depending on its requirements to deliver:

- *Available intelligence*
- *Affordable intelligence*
- *Acceptable intelligence*

Incorporating and considering all the above our experts specifically design an Ai Solution that suits our clients requirements.

Our solutions :

- AIVI-(Artificial intelligence visual investigator)
Stand alone real time Ai solution.

- Ai process monitoring
Non real time cloud based reporting service

AIVI-
ARTIFICIAL INTELLIGENCE VISUAL INVESTIGATOR

ARTIFICIAL INTELLIGENCE
VISUAL INVESTIGATOR

AIVI is groundbreaking technology that is developed through machine learning neural network algorithms to enhance CCTV systems. In simplest terms it is a brain for your CCTV network to assess, investigate, alert and act as per your requirements. AIVI is a plug and play devise that supports both local in-house deployments and provides fast access to front-end equipment for visual AI analysis. In addition to supporting the smart big screen application layer, it can also provide API's to support third-party platform access.

AIVI CARE

LOITERING DETECTION

Loitering / wandering is a common issue in most aged care facilities. Residents suffering from various forms of dementia can lose orientation to time, place or person or forget the purpose of their activity. AIVI — Care can assist in detecting residents who are wandering within certain areas of the facility at specified times of the day or night and alert staff accordingly.

FALL DETECTION

Proactive fall management — AIVI Care monitors residents at increased risk of fall due to various medical conditions. When they attempt to get out of bed or walk to the bathroom without assistance, carers can be alerted with the aim of averting a fall from happening.
Reactive fall management-Whilst not all falls can be prevented, in instances where a fall has occurred, carers can also be alerted in real time so nursing assistance can be rendered quickly.

LET US HELP YOU TO HELP BETTER
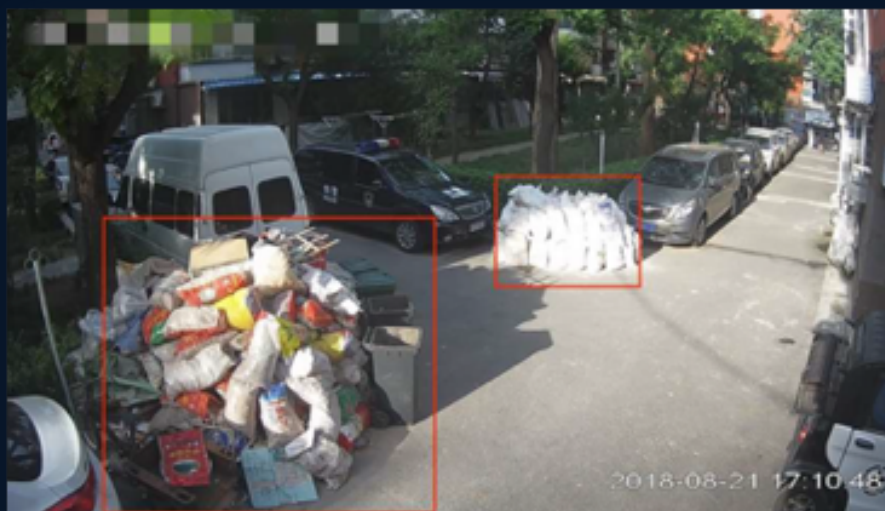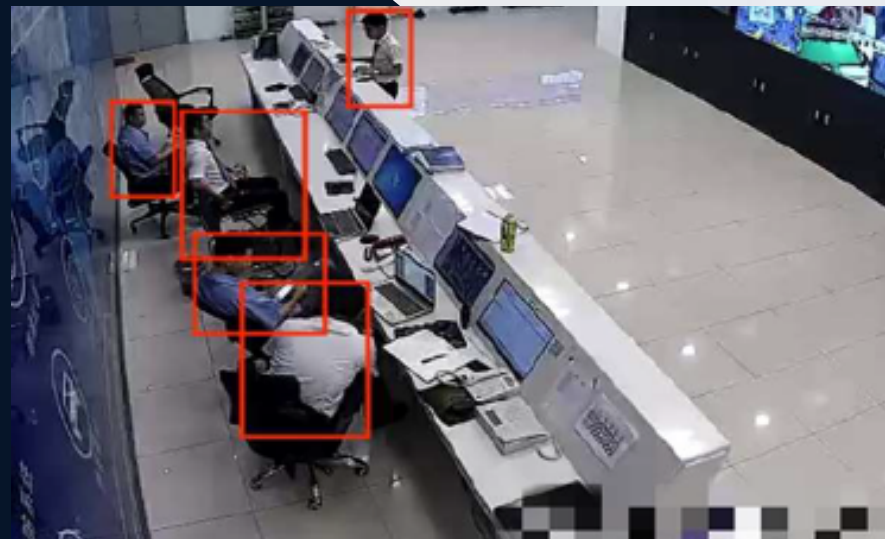

BED SORE PREVENTION

AIVI — Care can assist in reminding carers to provide pressure care to bedridden or immobile residents. Using AI to mitigate the occurrence of bed sores or pressure areas is an excellent example of how technology can improve the level of care and comfort of residents.

AIVI
CONSTRUCTION

AIVI construction has the ability to monitor processes and on-site abnormal behaviour in real time. This technology can monitor and track process related concerns, dynamics of worker/vehicles, building materials, construction equipment etc.

It uses methods such as target detection and positioning, behaviour assessment and analysis to monitor and implement procedures such as dangerous object placement warning, health and safety concerns, process productivity maximisation, warning of dangerous behaviour etc.
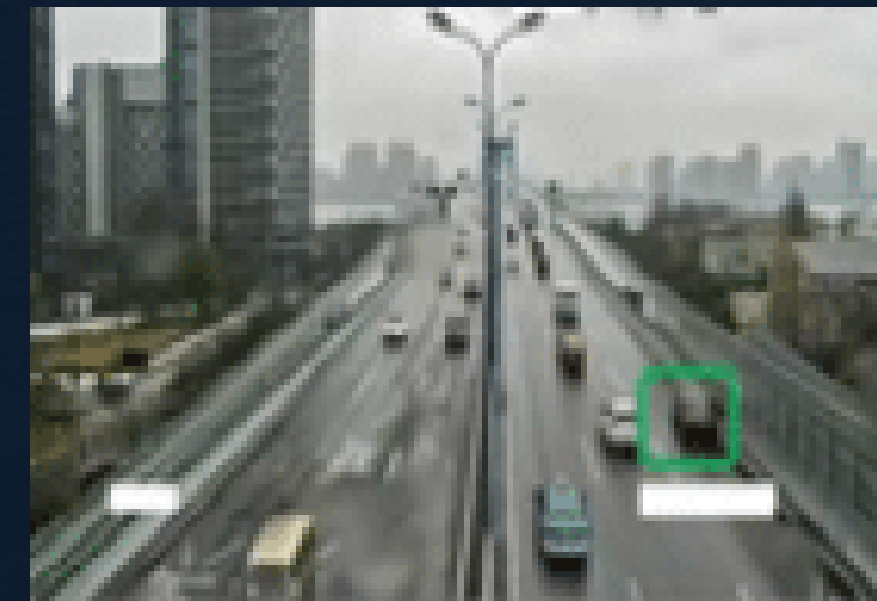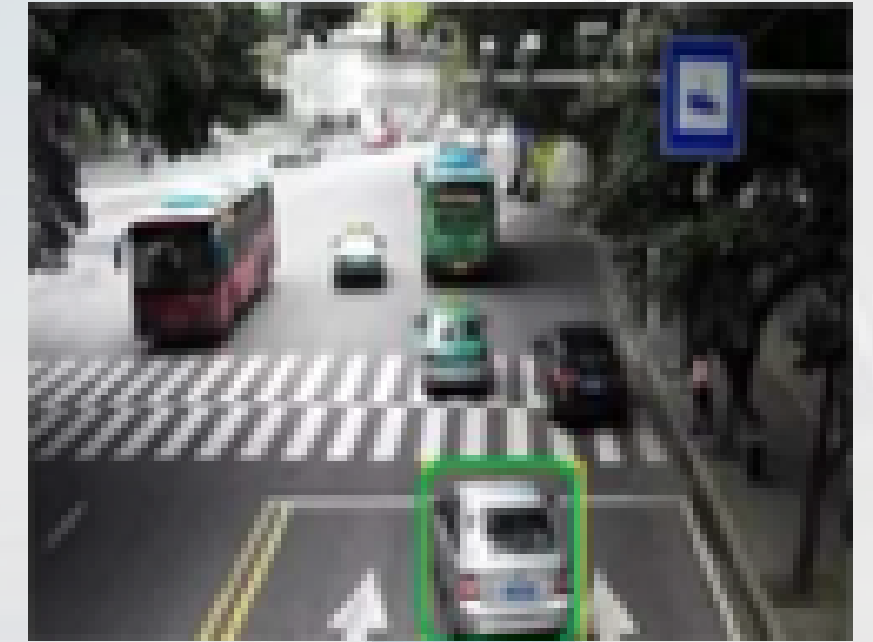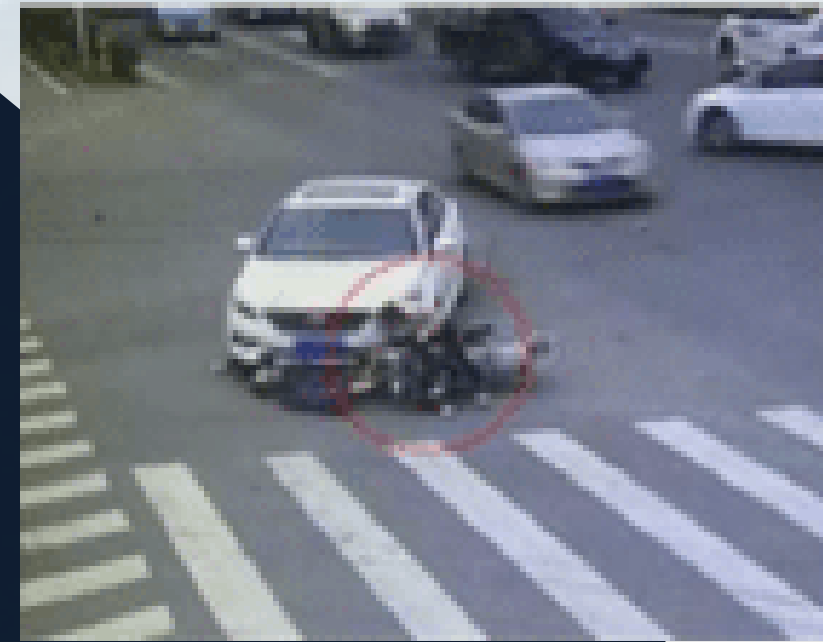
This system can be applied 24 hours to carry out comprehensive monitoring and reporting to ensure increase in productivity and safety of life and property.

AIVI TRAFFIC

AIVI traffic is developed to cater for traffic control and management needs in urban development environment which assist officials to fully utilise existing resources deployed.

This system can not only obtain real-time urban traffic conditions, but also identify traffic element information, report abnormal events such as vehicle precise trajectory analysis, traffic congestion assessment, and more.

AI PROCESS MONITORING

NON REAL TIME CLOUD BASED REPORTING SERVICE
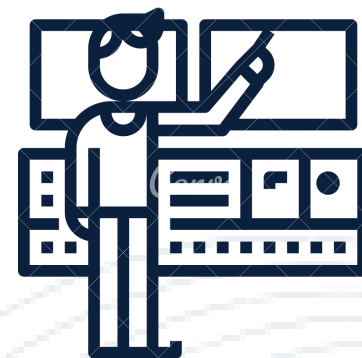
HOW THE SYSTEM WORKS

The video capturing Ai servers from our Australian based control room extracts video content from clients existing CCTV systems on site and processes those images through our Ai machine deep learning servers. This process identifies abnormal events and behavior.

Control room officers verify such Ai filtered events that fit our client's criteria and are then able to forward them via a customised app.

100% accurate event reports with corresponding video tag sent to our client

APPLICATIONS

Manufacturing

Ai algorithms can help with;

- Potential Injury and hazard detection, Illegal/Negligent Behaviour.
- Contractor and Staff protocol/KPI monitoring.
- illegal/abnormal behavior .

Retail

Ai algorithms can help with;

- Staff productivity.
- Customer satisfaction level monitoring.
- Staff protocol monitoring.

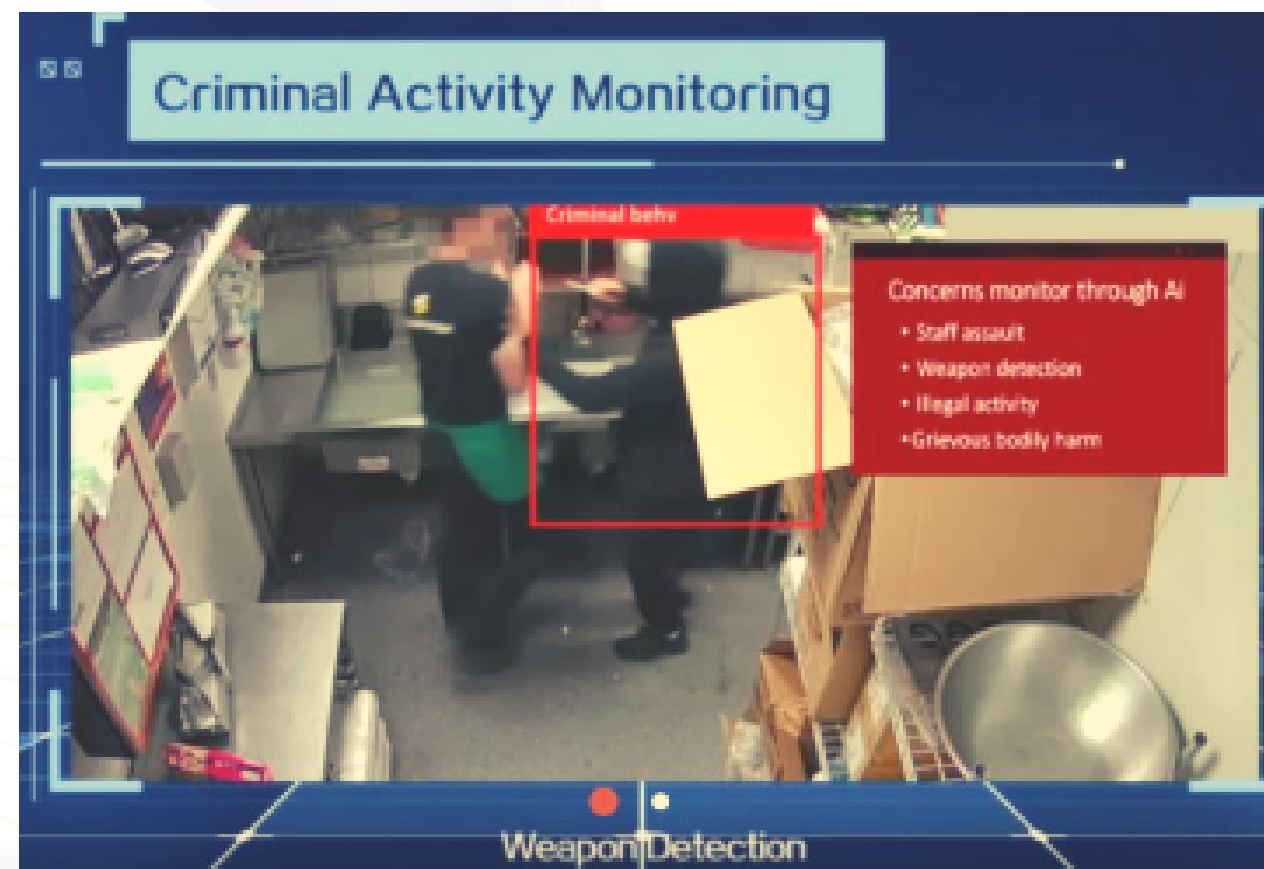**Restaurant**

Ai algorithms can help with

- Food contamination.
- Health and safety.
- Contractor and Staff protocol/KPI monitoring.
- Staff productivity.
- Internal/External theft.

Shopping complex

Ai Algorithms can help with;

- Trips and falls.
- Water spills/hazard detection.
- Contractor protocol monitoring.
- Car park monitoring.
- human abnormal behaviour monitoring.

APPLICATIONS

OUR GLOBAL REACH

Ai group is happy to announce our unique product at ISC West 2018 show which is the largest converged security industry trade show in the U.S. ISC west brings together 30,000 security professionals from all over the world to meet, source new products, network and conduct business.

Ai Group had an amazing show at IFSEC International 2019. IFSEC International is the biggest security exhibition in Europe which takes place over three days at London ExCeL.
IFSEC international is an unmatched opportunity to see the latest security technology put to the test. Learn directly from world-renowned industry leaders and network with security directors, managers, installers, integrators and distributors from across the globe.

OUR CLIENTS

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