



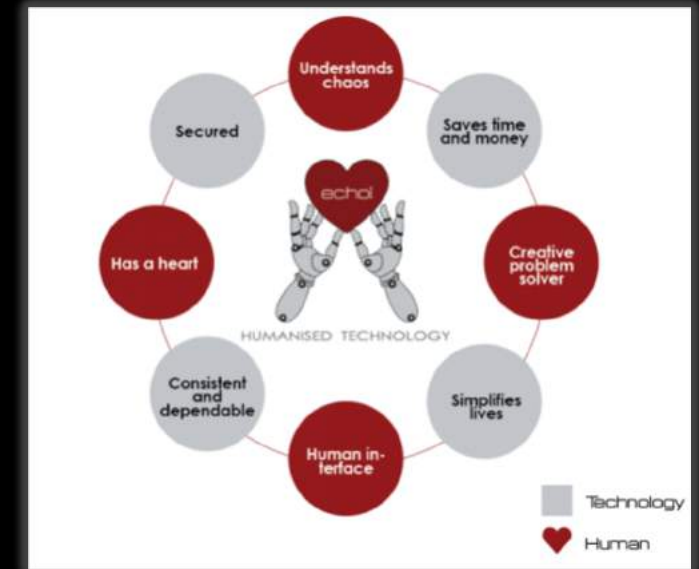
LucrorAi



Workers Safety Ai

Safety Ai

Echol was established in 2007 in Singapore as an innovative solution specialist focusing on assets tracking and management. Over \$100 million of solutions were delivered in the past 13 years. They believe in constant innovation and in aiding technology as a source of help to human and not as a replacement for them.



CUSTOMIZABLE DASHBOARD



OPTIMIZED ACROSS ALL
DEVICES



REAL TIME INFORMATION



ROBUST AND ACCURATE
REPORTS



SCALABLE BUDGET



Solution-eSentinel

eSentinel

*Security Command & Control
Solution*

Product Modules:

- Advanced CCTV System with Video Analytics
- Time-lapse and Live Web Streaming
- Integrated Dashboard for Centralized Monitoring
- Facility Monitoring and Management Tools



Fixed bullets, speed domes,
& pan tilt zoom cameras



Real-time identification of
personnel with video analytics



Centralised video management
& monitoring platforms



Remote access and viewing
of footage via mobile devices



eSentinel – Security Command & Control Solution

eSentinel security command and control solution is a complete suite of integrated software and hardware technology designed to provide end-to-end surveillance and control to your facility's premises.

Because in this digital age where security is constantly compromised, it is everyone's desire to be assured that our world is protected.

The solution enables security managers to seamlessly track, analyze and provide consistent and accurate information on your assets, thus giving you a total peace-of-mind.



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eSentinel•FOCUS is a powerful electro-optic surveillance system for security, industrial and construction applications. It uses electronic visual sensors such as charge-coupled device (CCD), complementary metal-oxide semiconductor (CMOS) and Thermal Imaging with day and night capability to obtain high resolution videos and stills; then archived in network video recorders or time-lapse servers.



PRODUCT MODULES & FEATURES



Advanced CCTV System with Video Analytics
Advanced algorithms are applied to real-time video footage.



Coastal and Perimeter Surveillance
Carry out visual monitoring up to 20 kilometers away at near total darkness through specialised optical sensor platforms with star light sensors units.



Time-lapse and Live Web Streaming
Time-lapse cameras with live stream allow scheduled 12MP photography at regular intervals with a live stream video.

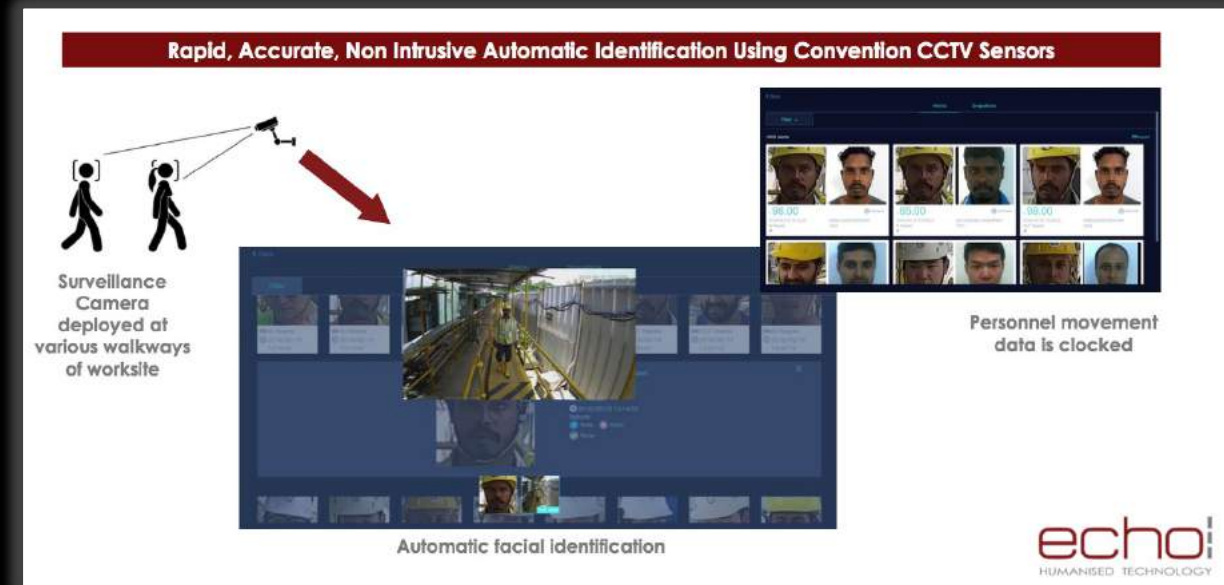
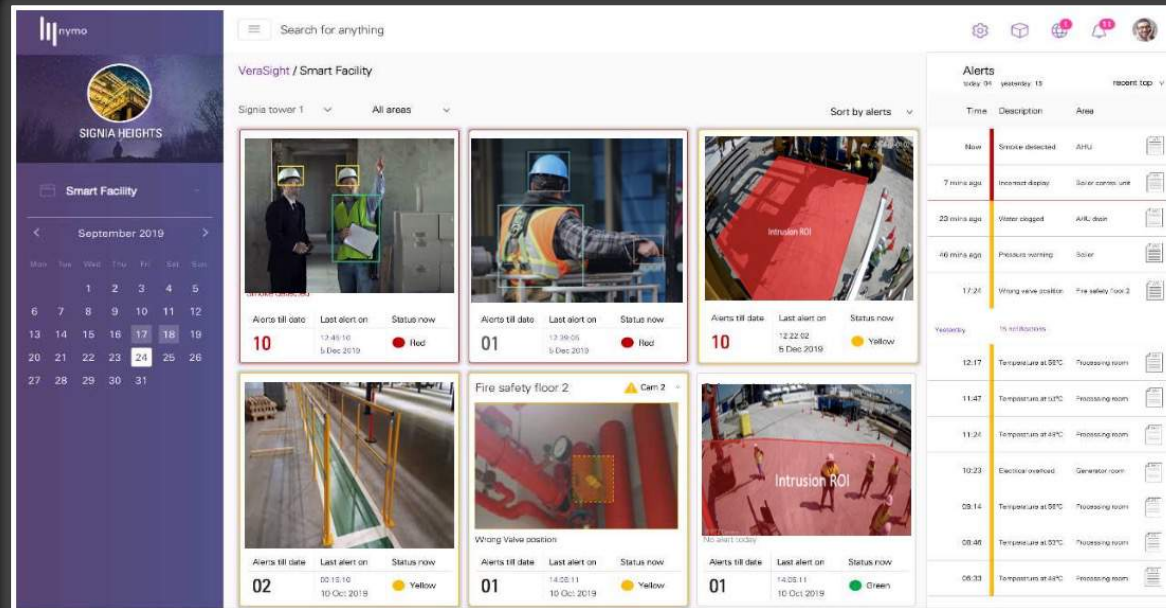


Application – Advanced Scene Analysis With Dynamic Facial Recognition

Smart Safety – Personal Protective Equipment Compliance

In the case of Individual safety detection, alerts will be raised if the following are not as mandated:

•Gloves •Glasses •Head Gear •Footwear •Detection of Guardrails •Proper Equipment use •Zone detection •Proximity Alerts



Application



Video Analytics



Individual Safety Detection at the Site



Temperature & Attendance Record Captured on Central System

eSentinel•COMMAND - Application

❖ Pedestrian Intrusion into Construction Vehicular Access

- Detect personnel intrude into construction vehicular access at worksite
- Identify personnel credentials for authorized access at worksite

❖ Personnel Safety Monitoring

- Detection of Personnel PPE for Site Safety
- Detection of Work at Height procedures
- Positional detection
- Proximity detection

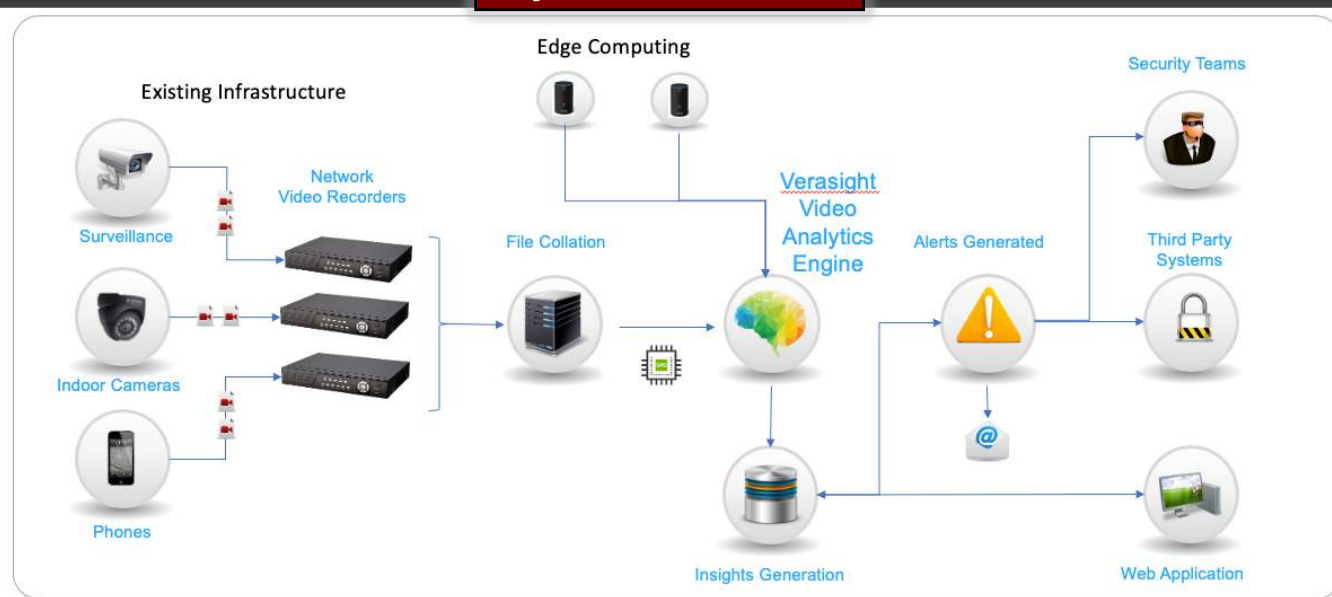
❖ Traffic & Road Incident Monitoring

- Traffic and road condition and congestion
- Road incident detection
- Pothole/foreign object on the road detection



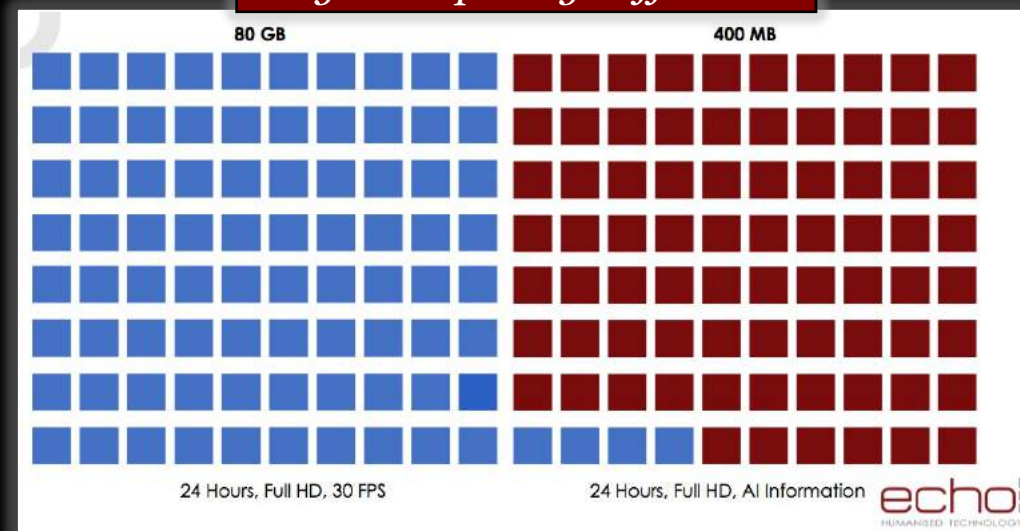
Architecture

Information Flow



The video analytics solution captures video files from a central location, processes the same using GPU based servers and stores the generated insights into a central storage location. Insights generated can trigger "alerts" which can further trigger security teams, third party systems or show up on the application.

Edge Computing Difference



Clients



LucrorConnect



Google: Lucror

Twitter: Lucror3

Linkedin: Lucror

Facebook: Lucror

Instagram: LucrorAi

Website: www.lucrorworld.com

Email: legend@lucrorworld.com



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