VAST-NXT.AI

INCIDENT MANAGEMENT
OPERATIONS PLATFORM

TECHNOLOGY MEETS OPERATIONS

MODULAR,
CLOUD BASED
SEC OPS

REAL-TIME AND
ON-DEMAND

SCALABLE.
EXTENSIBLE.
CONFIGURABLE

VAST-NXT.AI is a one stop solution and service integrator that focuses on technology to augment and improve security operations. We develop our own software platform to transform an organization's physical operations into an intuitive data driven operations with real-time situation awareness.

Our vast experience in adopting best fit technology in security operations allow us to deliver Operations-Driven solutions that would address the real needs and details in the changing business environment.

CLOUD BASED VAST-NXT.AI PLATFORM

SOLUTION METHODOLOGY

VAST-NXT.AI enhances security operations with a data driven environment where security manpower resources are complemented by best fit technology to improve ground sensing, facilitate informed decision making and enable rapid responses to any security related incidents. This is achieved by acquiring building sensors from new or existing security system, data feeds from human sensors (mobile apps.) and alerts from possible 3rd party building facilities management (FM) related systems where required as part of the operations driven design approach.

In addition, data will also be acquired from smart security technology tools like Video Analytics, Online Patrolling and Resource Management System.

The acquired data will be analysed and correlated to provide enhanced situational awareness, streamlined incident reporting and management where information will be disseminated rapidly to relevant stakeholders via VAST-NXT.AI

The ultimate goal is to provide an automated incident or emergency response plan to help security operators to manage incidents quickly and effectively, so as to achieve sustainable cost effective operations in the long run.

VAST-NXT.AI ARCHITECTURE

DESIGNED FOR FLEXIBILITY & EASE OF INTEGRATION

SOC OPERATORS

SECURITY OFFICERS DEPLOYED WITH MOBILE APPS

STAKEHOLDERS (STAFFS, TECHNICIANS)

INCIDENT MANAGEMENT PLATFORM i-MOPS

- Unified Dashboard
- System Health Monitoring
- Video Verification
- 2D/ 3D Map
- E-SOP
- Virtual Patrol
- Statistic Report Generator
- Incident Management
- Alarm & Alert Monitoring

SUB-SYSTEMS

- Video Management
- NVRs with built-in VA
- Cameras with edge analytics
- Visitor Management
- Access Control
- LPR for Vehicle Access
- Ruggardised Mobile Device
- IP PA System
- IP Intercom
- Resource Management
- Time Attendance
- Patrol

Various sub-systems can be integrated to VAST-NXT.AI via high level in various approach (APIs, scripts, drivers, standard protocols etc).

These sub-systems comprise of Video Surveillance, Personnel and Vehicle Access Control, Integrated Communication Systems and Alarm and Alert Monitoring Systems respectively. Usually, these sub-systems are integrated to VAST-NXT.AI for alert, response, data correlation and analysis purposes.

VAST-NXT.AI MODULES

BUILT WITH AI-DRIVEN
SECURITY CONCEPTS

Unified
Dashboard

2D/3D Map

Video Verification

Alarm and Alert
Monitoring

Workflow
with e-SOP

Statistics Report
Generator

System Health
Monitoring

Virtual Patrol

VAST-NXT.AI MODULES

Unified Dashboard

Customised unified dashboards can be created to facilitate visualisation to security operators in managing a particular incident. Each type of incident would be having unique unified dashboard where the related sensors and possibly associated cameras with the respective icons are reflected on a 2D or 3D map.

Within the unified dashboard, the security operators would be able to be alerted, verify the alarm via associated video live streams and communicate with the ground security officers while guided by E-SOP for each category of incidents including escalation process till incident closure.

VAST-NXT.AI MODULES

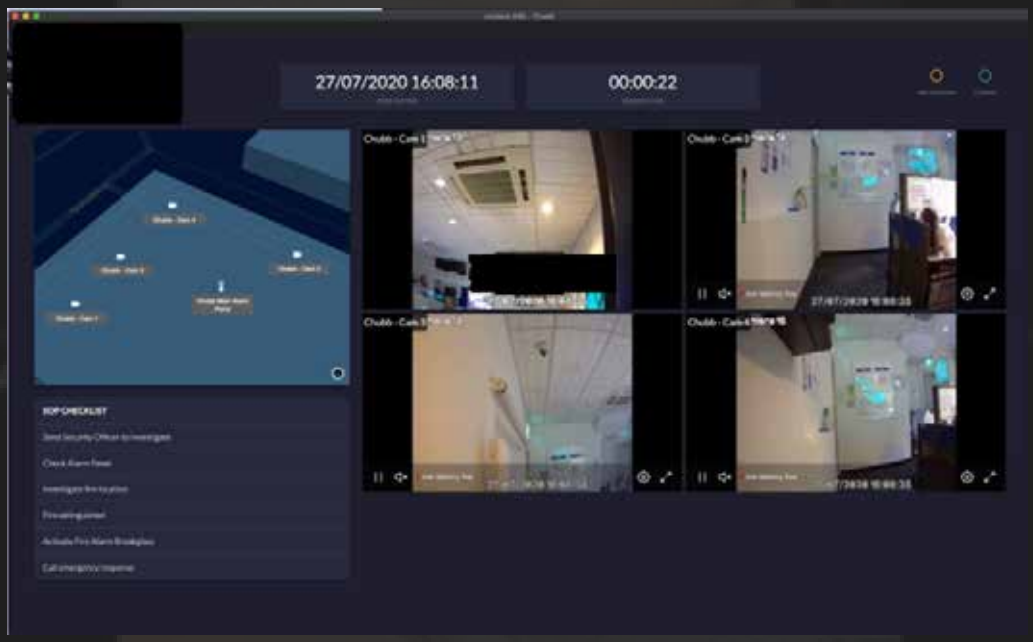
2D/3D Map

The 2D/3D Map will allow users to have infographics to be overlayed onto the map for real-time visualisations and analytics purposes. Multi-layers with essential operational data can be visualised and correlated for users' sensemaking in real-time, thus facilitating best decision making in responding to incidents.

Examples of infographics that can be essential and useful to be visualised on 2D/3D maps for correlation and active monitoring include location of response team, sites that are currently having critical incidents, density of footfall traffic for visitors or contractors at each site for operations team to pay more attention to, etc.

VAST-NXT.AI MODULES

Video Verification

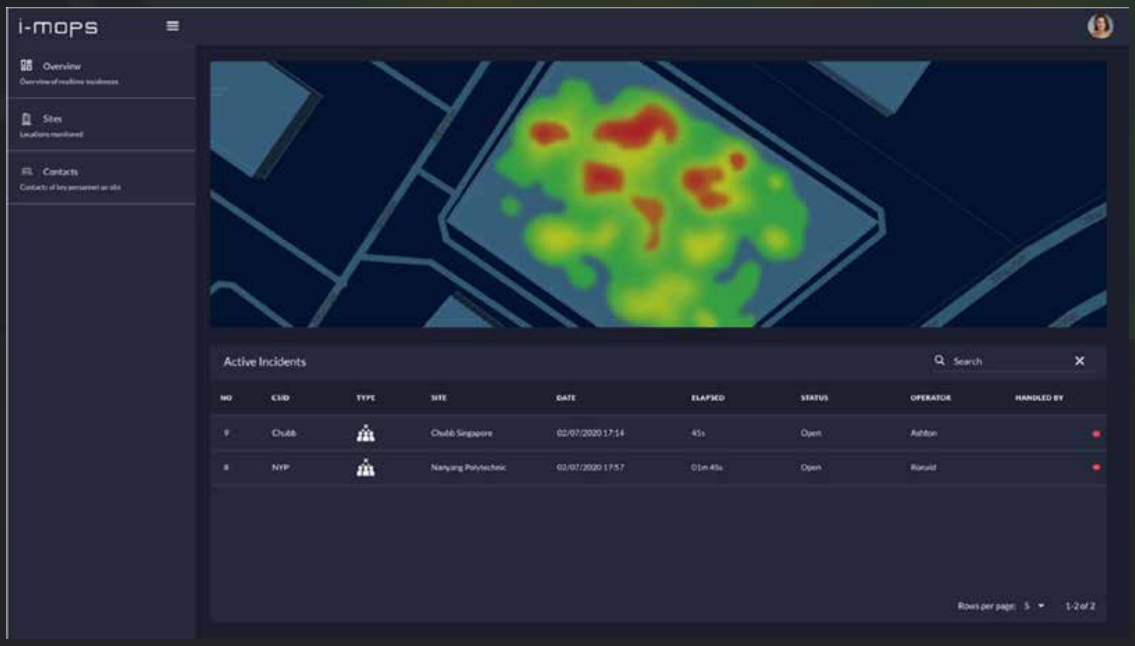


The video verification module integrates to the various new or existing CCTV System on each site for the purpose of accessing real-time live video streams and to have a two-minute recording of incident video on cloud as part of the incident management workflow. The incident videos recorded on cloud will be tagged to each incident report where operators will be able to download seamlessly.

This feature enhances the operators to have immediate download of the incident videos without the need to be trained to operate various brands and models of CCTV system thus increasing productivity and efficiency in post investigations.

VAST-NXT.AI MODULES

Alarm and Alert Monitoring

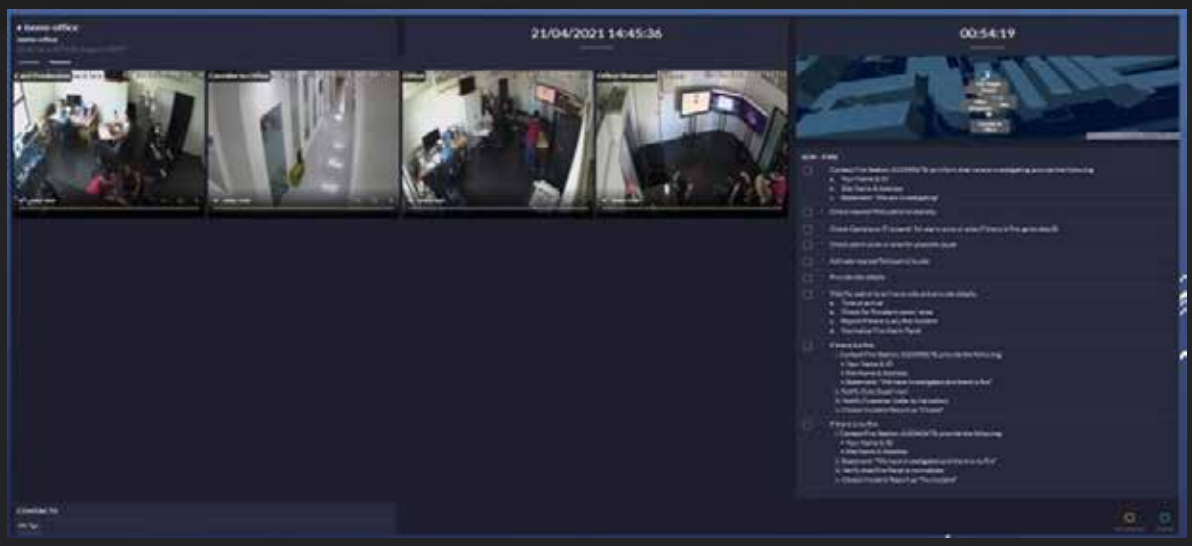


The Alarm and Alert Monitoring module provides the SOCC operators Visualisation, Icons and Animation as the operation tools in their VAST-NXT.AI workstation to manage incident alerts effectively. All alert transactions will be organised based on the incident type, level of severity, essential details (Who, What, When, Where) and elapsed time.

This feature enhances operators' visibility and situational awareness which provides them the capability to make decision on which incidents to be prioritised.

VAST-NXT.AI MODULES

Workflow with e-SOP

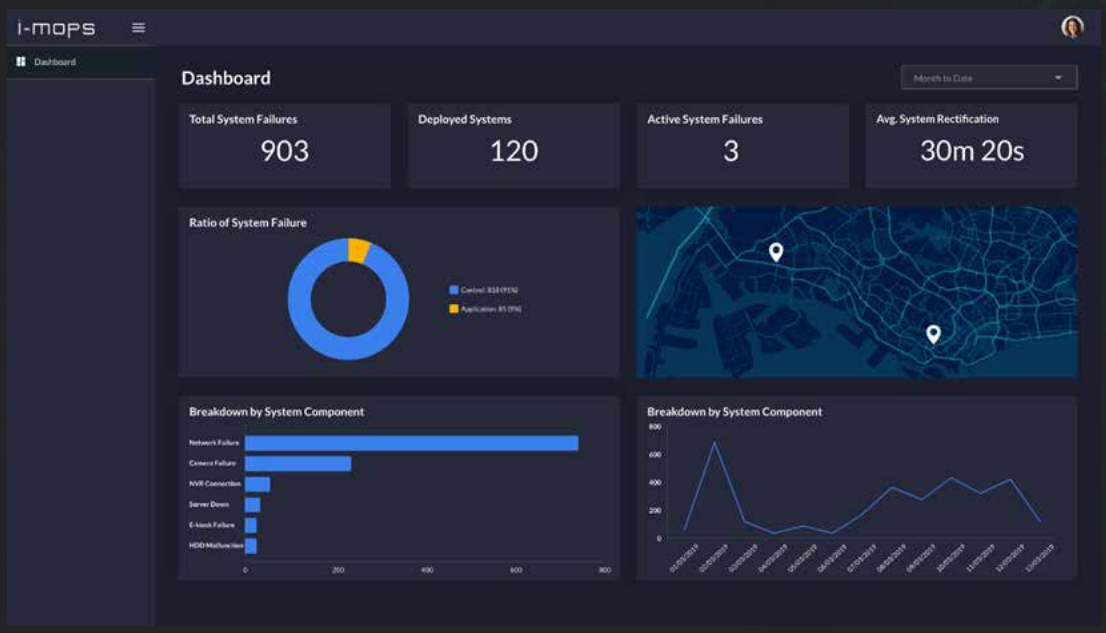


The Workflow & e-SOP module consists of automated workflows based on the business logics of the Incident Types and Categories.

With automated workflows and escalation process, the configured workflow will be immediately triggered upon acknowledgement of an alarm alert with e-SOP to ensure accurate and guided response corresponding to the type and severity of the alarms is achieved.

VAST-NXT.AI MODULES

Statistics Report Generator

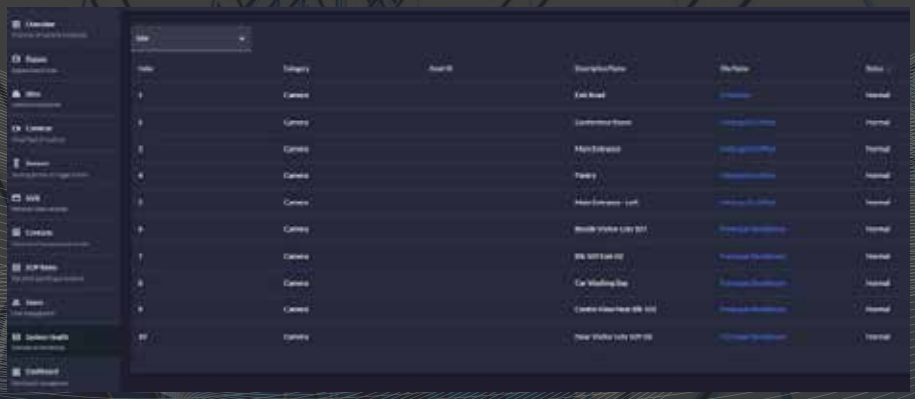


The Statistics Report Generator allows user to query the database to generate statistical graphs and security audit reports which can be exported out for data processing to achieve Business Intelligence.

Using data collected from the VAST-NXT.AI over a period of time, users would be able to transform those data into actionable insights to drive better processes and actions while optimize the resources for example improving overall resource deployment efficiency and workload.

VAST-NXT.AI MODULES

System Health Monitoring

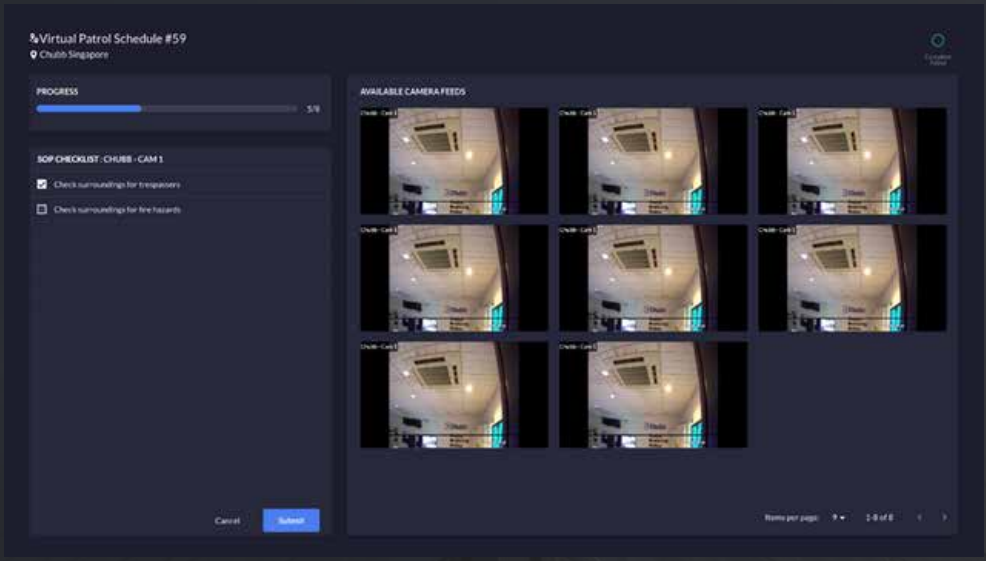


The System Health Monitoring module constantly monitors integrated devices via protocol and drivers to facilitate (subjected to availability by 3rd party systems) in maintaining the VAST-NXT.AI and sub-systems (existing sub-systems by others) to be in operable condition.

The module includes event reporting and audit log with timestamp for analysis of system failure whenever required.

VAST-NXT.AI MODULES

Virtual Patrol



As an Optional Module, Virtual Patrol utilizes the cameras deployed across the sites as patrolling checkpoints. It can be supplementing the physical patrolling and detections of anomalies picked up by video analytics where security operators will be required to do virtual patrol of pre-defined routes based on schedule. Virtual Patrol helps security operators to save time and costs in reducing patrolling routes, thus allowing effective time management & utilisation of manpower resources

VAST-NXT.AI

technology meets operations

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