



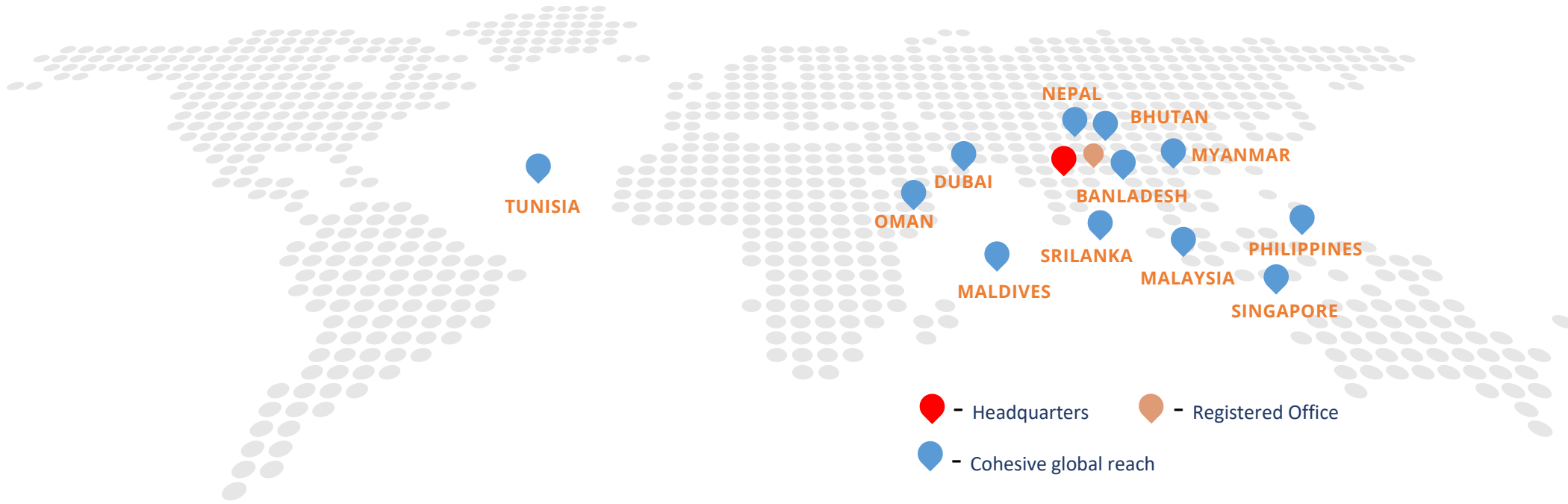
Empowering Communication

Innovate. Integrate. Connect.



Cohesive Technologies Pvt. Ltd

About Cohesive Technologies



100+ 100+ Employees	20+ 20+ PAN India and regions covered	35% Compound Annual Growth Rate reaches 35% from 2013 to 2020	20% 20% of office staff are working in R & D center	Award 	0.1% Less than 0.1% defect rate
-------------------------------	---	---	---	------------------	---

CS-4, 5 & 6, 4th Floor, Ansal Plaza, Sector 3 Vaishali, Ghaziabad (Uttar Pradesh.) 201010

169, FIE, 1st Floor Patparganj Industrial Area, Delhi-110092, India

[Product Categories](#)

Segment We Cater & Technology Partners



Enterprise	Education	Healthcare	Residential	Automobile	Telecom	Financial
						



Product Portfolio



IP Voice Telephony & IP Hotel Phones

- 2 - 6 SIP accounts
- Common-area phones
- color screen, HD audio
- Noise-shield technology
- Enterprise-grade security
- WiFi Cordless IP Phone
- Bluetooth, wifi, BLF Keys



IP Video Telephony

- 16 SIP ac, Video Calling
- Instant Messaging
- Bring Your Own Device (BYOD)
- Security and On-Premise Access
- Employee Access
- Huddle Rooms



Answering Units

- Luxury design with top materials
- Smartphone as answering unit
- Home automation integration
- HD quality sound with ambient noise suppression



SIP Door Intercom

- Intercom is a first access control device you will get in touch before you enter a building
- It has to look very luxury in villas or MDUs
- HD audio & video quality



Unified Communications

- Upto 5000 Extension
- Redundancy, voicemail, Recording
- call center features
- Integrated with 3 party products
- Linkus App, Auto Dialer
- Automatic Call Distribution



Smart Home Automation



- Smarter Home,
- Sweeter Life,
- Zigbee Hub. Intercom. Smart Home Control Panel in One, KNX



Gateways & ATAs

- E1/T1/J1 Ports
- FXS & FXO Ports
- Voice Conferencing
- concurrent calls
- Nat Traversal



IP Access Control & SW

- Slimline design
- Fastest mobile access
- Bluetooth, IP55 and IK07
- Controller and reader in one
- Encrypted two-way communication
- Perfect for the office or outdoor



Audio/Video Conferencing

- Runs on Android 9.0 operating system
- Support for up to 300 participants and 120 video feeds per session; up to 10 simultaneous sessions
- video and audio recording
- 1080p Full-HD video
- Bluetooth, WiFi support
- Built-in Mic/Speaker
- PAN, TILT, ZOOM - camera
- IPVideoTalk Meetings Platform

Product Portfolio continue...



IP & Analog Industrial Phone

- Hazardous & Non Hazardous
- Water Tight, Weather/Water Resistant Phones
- Food Industry Industrial Telephone
- Correctional Institute Industrial Telephone



Elevator Management

- Convenient for the residents to get in and out without cards to avoid residents



Wireless Access Points & Routers

- OFDMA technology
- Range upto 300 meters
- IP66-level weatherproof capability
- GWN Cloud, GWN Manager, Embedded Controller



VCA & SIP Surveillance

- Introduced H.265+ & Starlight & WDR
- Debut of the unrivaled Mini PTZ Bullet Camera
- New technologies: Auto Tracking, Advanced Heat Map and High-quality Deblur...
- Release AI ANPR solution & Pro Bullet Plus (with 3D Radar Module)
- Launch enterprise VMS



Call center solutions

- Inbound/Outbound calls
- Contact center on cloud
- IVR, Auto dialer, Automatic Call Distributor
- Hosted Call Center



Personal Collaboration Devices

- RJ9, USB & Wireless Headset
- USB Webcam supports 1080p Full HD video
- Designed for remote workers, contact centers and other busy environments.
- Comfortable, cost effective, durable headset for Soho, VoIP, IP-phone
- Light weight design, practical IP telephony sound quality



Networking Switches

- GREEN Networking, smart LCD
- Port VLAN, Watch Dog
- IP65, support 30-60W each port
- Redundant Power
- Industrial switches (-40°C ~ 80°C)
- Solar UPS/ outdoor Weather-Proof Switches
- 250 m CCTV Long-Range switches

SIP Public Address System

- SIP/Multicast/Informacast/Syn-App
- Serverless IP paging solution
- Communication with SIP devices
- Integration with VMS via ONVIF
- Loudest Sound in the market





Product Introduction for Cohesive

Who Are VCA?

- HQ in Seoul, analytics developed in UK with additional support offices in Turkey, Thailand and Taiwan
- Camera manufacturing in Vietnam, NDAA approved
- Extensive experience with over 3,500,000 channels of VCA installed since 2012
- Sell through global partners to provide world class solutions in security, business intelligence (e.g. retail) and traffic management
- Ethos: make it easy to use, cost effective and accurate



VCA deep learning trackers, rules and metadata



Application software



RETAIL TREND



ANPR /
MMCR/OCR/Bar
Code



Face recognition,
Age and Gender



FORENSIC SEARCH

Hardware platforms



ARM



10 Ai Bridge

- 10 Jetson Orin powered embedded edge device
- 10 Up to 12 channels of Ai
- 10 ANPR, Face recognition, Forens Search
- 10 Small form factor



10 Servers

- 10 Intel powered rack mounted servers
- 10 25-150 channels
- 10 Suitable for wide range of analytics use cases

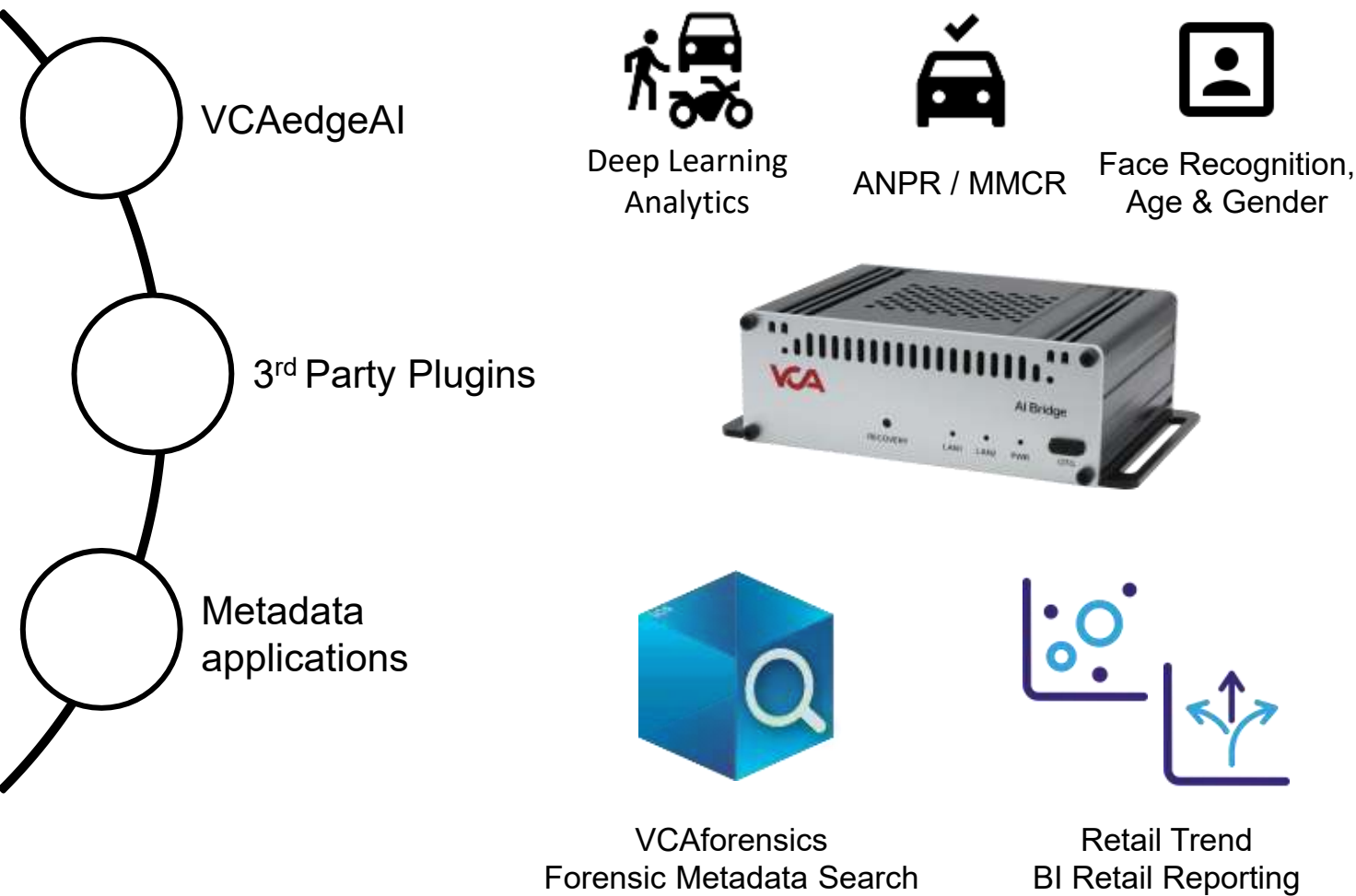


Coming 4Q 2025

- Intel Hailo based M.2 module
- 16 channels Ai
- Multiple trackers



More than just analytics....



STORAGE OPTIONS

MicroSD

Network

Wasabi Cloud



Nx Embedded

ABP configuration options

Part Code	ProAi	Behaviour	Retail Trend	Forensic search	Face recognition	ALPR
301-4	4	1	4	x	x	x
301-8	8	2	8	x	x	x
302-12	12	4	12	x	x	x
302- FS	9	2	x	9	x	x
302- face	4	x	x	x	4	x
302- ALPR	4	x	x	x	x	4
100-8	8	x	x	x	x	x



Figures relate to the number of channels provided and supported

VCA Rule Set: ProAI



Zones



Tamper Detection



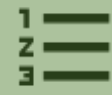
Meta Data



Object Tracker



Counting



Counting Lines



Hand Object
Interaction



QR Code Reader



Presence



3D Calibration



Speed Filter



Appear



Disappear



Stopped



Colour change



Fight
Detection



Enter



Exit



Direction



Dwell



Tail Gating



Abandoned
Object



Fall Detection



PPE



Colour Filter



Logical Rules



DL Filter



DL Object
Tracker



DL Skelton
Tracker



DL People
Tracker



DL Fisheye
Tracker



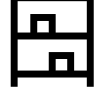
Shelf Clear



Proprietary & Confidential Information

VCA Rule Set: Behaviour



 Zones	 Tamper Detection	 Meta Data	 Object Tracker	 Counting	 Counting Lines	 Hand Object Interaction	 QR Code Reader
 Presence	 3D Calibration	 Speed Filter	 Appear	 Disappear	 Stopped	 Colour change	 Fight Detection
 Enter	 Exit	 Direction	 Dwell	 Tail Gating	 Abandoned Object	 Fall Detection	 PPE
 Colour Filter	 Logical Rules	 DL Filter	 DL Object Tracker	 DL Skelton Tracker	 DL People Tracker	 DL Fisheye Tracker	 Shelf Clear

Our Deep Learning options; 4 DL trackers



DL OBJECT TRACKER

- PEOPLE
- BAGS
- CARS
- BIKE
- MOTORBIKES
- BUS
- TRUCK
- VAN
- FORKLIFT
- ANIMALS
- LOW LIGHT/IR
- COLOUR CHANGE



DL PEOPLE TRACKER

- PEOPLE
- HEADS AND SHOULDERS
- COUNTING
- OCCUPANCY
- DETECTION
- HIGH DENSITY



DL SKELETON TRACKER

- PEOPLE TRACKING
- 18 BODY POINTS
- BEHAVIOUR ANALYTICS
- FACE DETECTION
- BUSY INDOOR SCENES



DL FISHEYE TRACKER

- FOR FISHEYE IMAGES
- NON DE-WARP
- PEOPLE METADATA
- COUNTING
- DWELL
- LOITERING

SCENES

CAMERA PLUG INS



ANPR / MMGR



Face Recognition,
Age & Gender



APPLICATIONS



BUSINESS
INTELLIGENCE



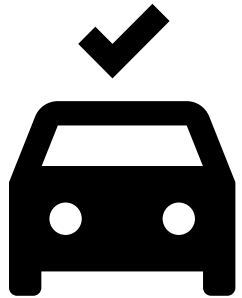
FORENSIC
SEARCH



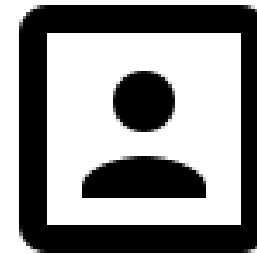
RETAIL TREND



FORENSIC SEARCH



ANPR / MMCR/OCR/Bar Code

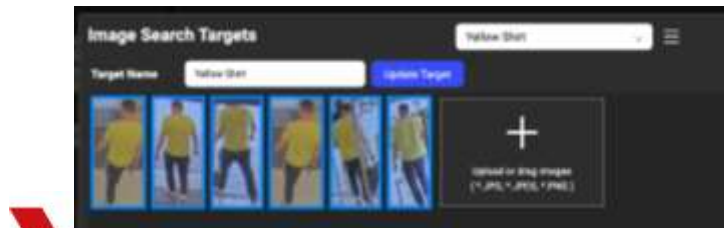


Face recognition, Age and Gender

System Architecture: Add on applications

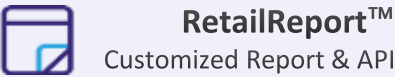
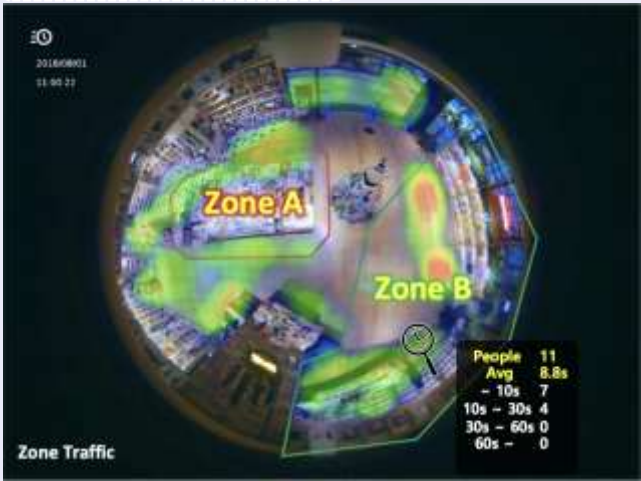
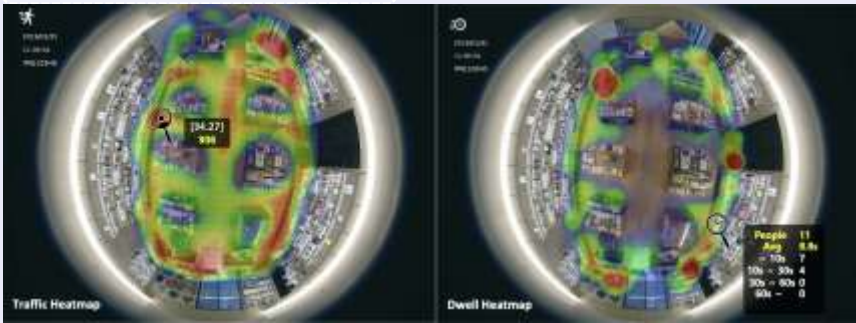
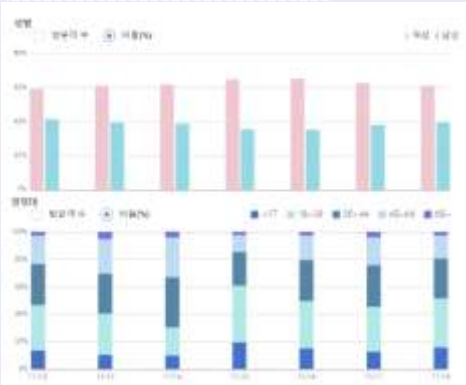


- Computer based analytic service
- Fully integrated in Nx
- Upto 8 Nx channels and 8 Ai channels
- Load balancing across multiple analytics servers
- Optional configuration tool for easy set up of analytics



Forensic search tool

Customer Data and Analytics: Retail Trend



Proprietary & Confidential Information

TECHNOLOGY

New Path Track feature to log the store journey



서비스 특징점 사례 뉴스 문의 블로그 회사소개



AI 기반의 매장 방문객 분석 서비스 리테일트렌드

AI 카메라
카페



AI 카메라
식품 매장



AI 카메라
전자제품 매장

AI 카메라
의류 매장



방문객 001

Hair / Colors
Top / Colors
Bottom / Colors
Bag, Glasses, Hat, Mask
Body Ratio Set

- 30s

AI

Face Detection and Profile Matching at the Edge



- Embedded Face detection and Profile matching without the need for servers
- Name, Group, Age and Gender detection
- Create custom groups to suite the scenario
- Search features built into camera interface
- Range of camera types and models
- > 97% Face profile matching accuracy
- PathTrack feature to log customer journey

Actions, Events and reporting functions

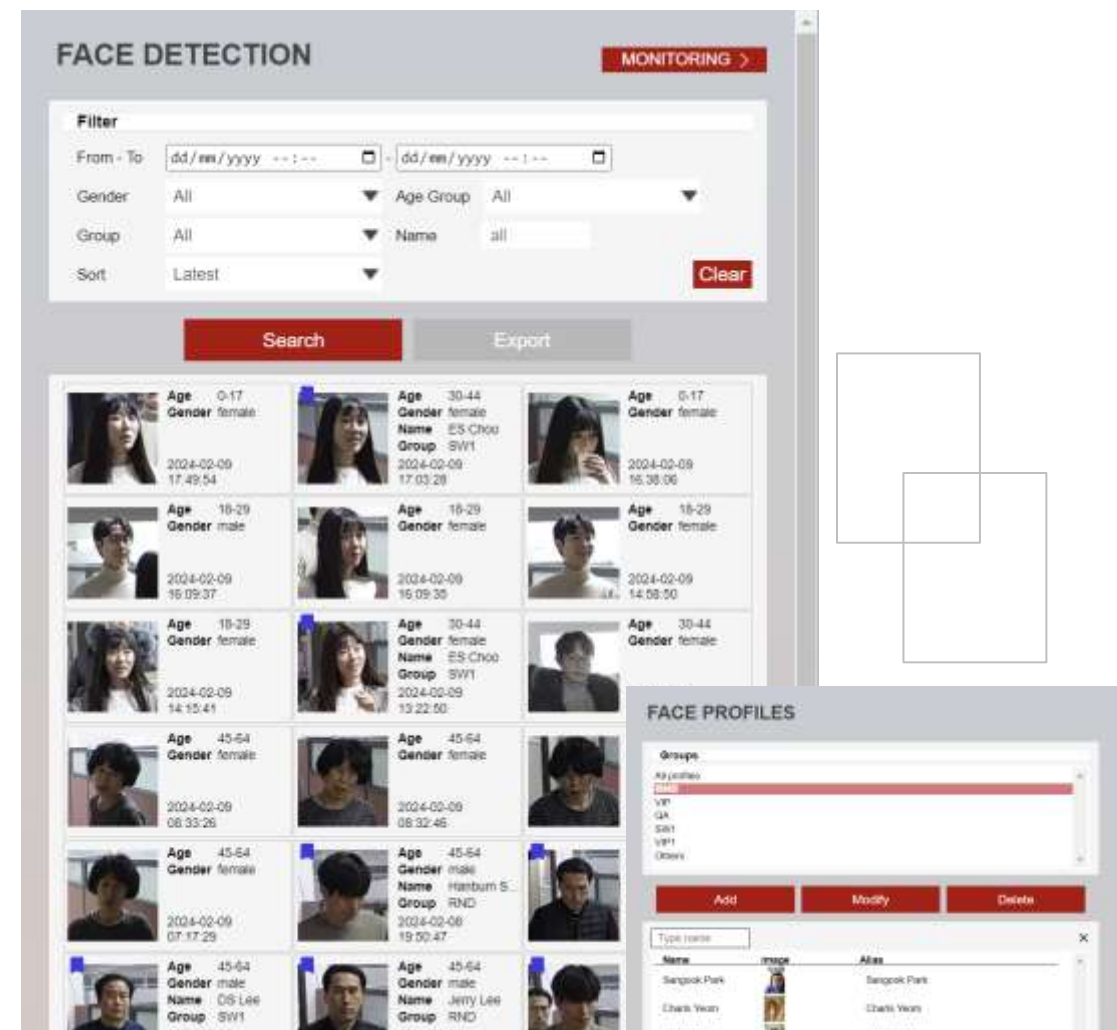


Bookmark



Desktop
Notification

Proprietary & Confidential Information



ALPR & OCR



- Embedded with onboard database
- ANPR, MMCR, SPEED
- OCR
- LABELS
- BAR CODE

Reader ID	Camera	Plate	Image	Company	Direction
1	00000001 4.33-43-Phi	SLW9496R		Slagboom	Leading traffic
2	00000001 4.33-43-Phi	SLW9496R		Slagboom	Leading traffic
3	00000001 4.33-43-Phi	SLW9496R		Slagboom	Leading traffic
4	00000001 4.33-43-Phi	SLW9496R		Slagboom	Leading traffic
5	00000001 4.33-43-Phi	SLW9496R		Slagboom	Leading traffic
6	00000001 4.33-43-Phi	SLW9496R		Slagboom	Leading traffic
7	00000001 4.33-43-Phi	SLW9496R		Slagboom	Leading traffic
8	00000001 4.33-43-Phi	SLW9496R		Slagboom	Leading traffic
9	00000001 4.33-43-Phi	SLW9496R		Slagboom	Leading traffic
10	00000001 4.33-43-Phi	SLW9496R		Slagboom	Leading traffic

Plate	Image
FEDZ550773	

ID numbers



Barcodes



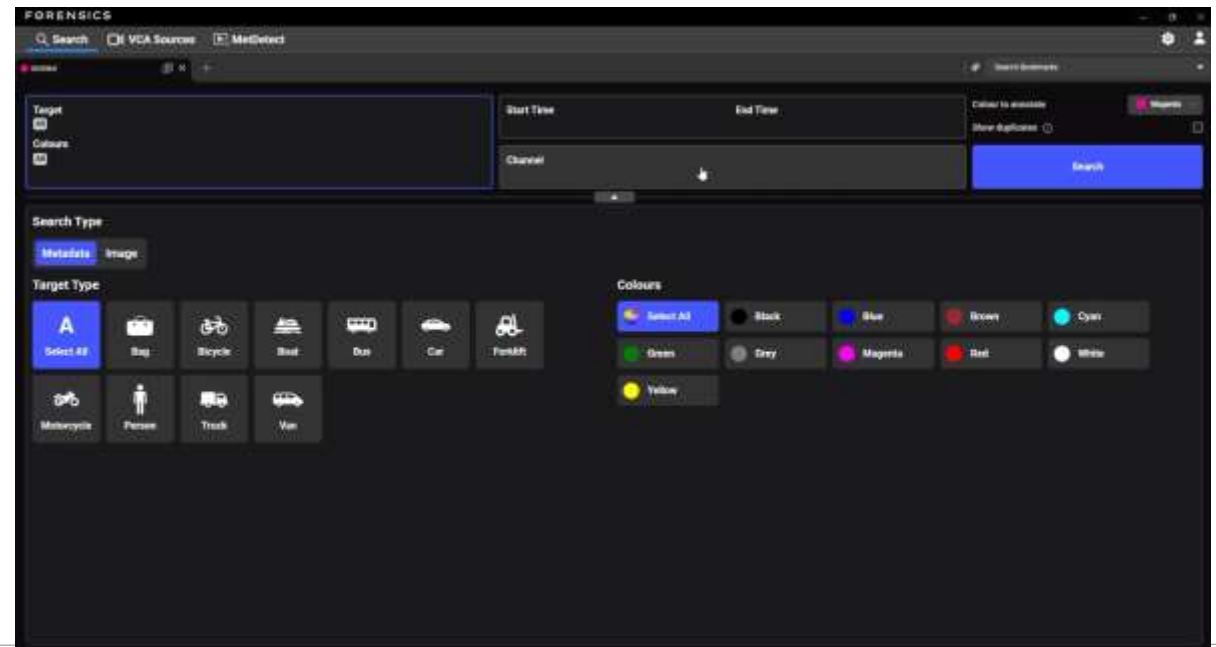
Serial numbers



Labels



- 10 Find objects of interest in hours of video footage without predefined rules or behavioural triggers
 - 10 Example: **Show me all the people wearing blue clothing that were seen in cameras 5, 7 and 9 between 1pm and 4pm on Tuesday**
 - 10 Example: **Show me all the people with a bag walking through Entrance 1**
- 10 VCAforensics key benefits:
 - 10 VCAforensics records snapshots and all metadata all the time
 - 10 Create forensic query which filters hours/days/weeks **of video** to the objects of interest
 - 10 Metadata already exists so no post processing **so searching is instant.**
 - 10 Aid **evidence gathering** by exporting object snapshots
 - 10 **Reduce resource overhead** of searching stored video manually
- 10 Search and Track options
 - 10 Metadata
 - 10 Image similarity
 - 10 Image upload
 - 10 Offline search (MetDetect)

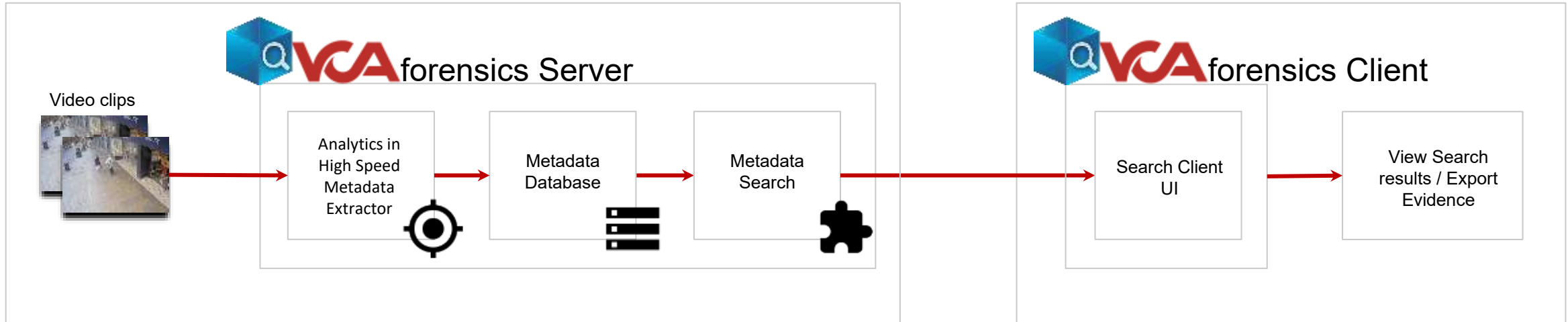




What is Forensics MetDetect?

Forensics MetDetect is a high-speed video analysis tool that lets you take recorded footage, process it in minutes, and search for specific people, objects or attributes without needing pre-set rules.

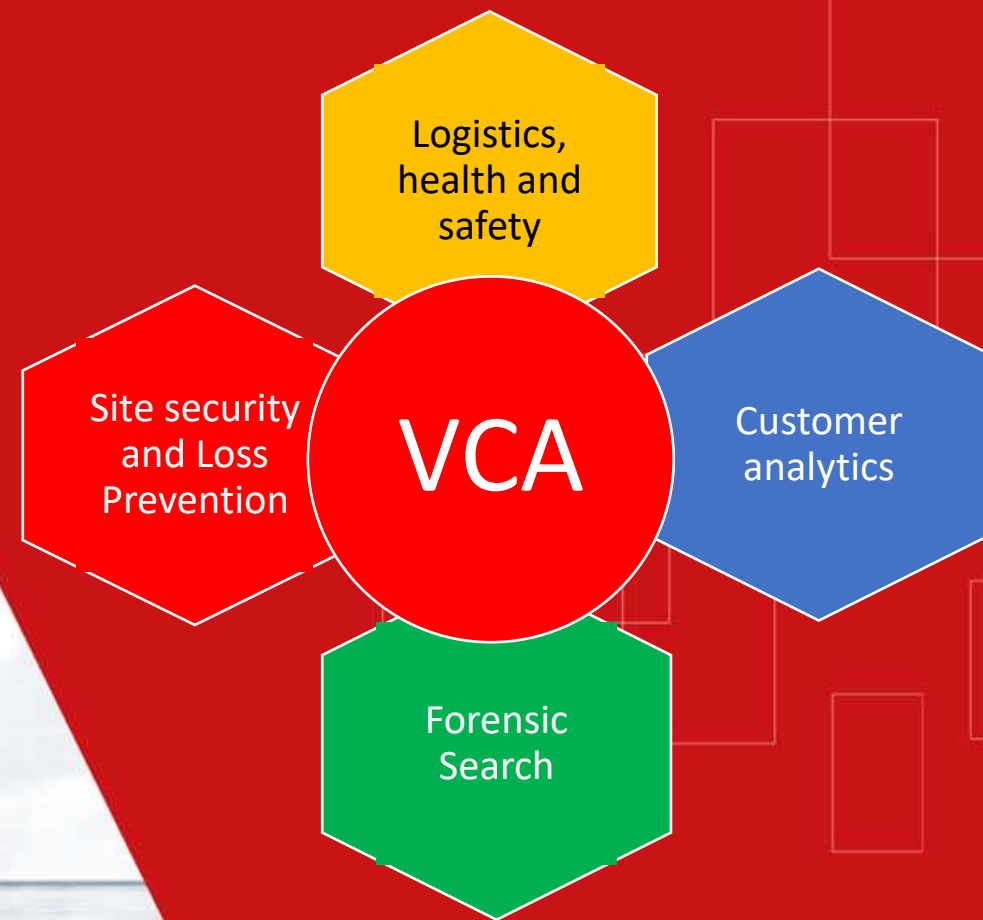
- ⑩ Upload any footage (e.g., CCTV downloads, body worn cameras, dash cameras)
- ⑩ Process footage extremely fast – e.g. 14 hours of video within 12 minutes
- ⑩ Create forensic query which filters hours/days/weeks of video to find the objects of interest
- ⑩ Get instant results with thumbnails, playback, redaction (blur) non-relevant areas and evidence export
- ⑩ Ideal for investigations where speed and accuracy matter



- **Import video from any source**
- Extraction at 40x original speed
- Multiple channels simultaneously
- Run all the FS features



One solution to meet your retail, security, logistics and business challenges



THANK YOU

For Your Precious Time and Your Attention

THIS IS A CORPORATE WHAT'S APP ACCOUNT AND WE WILL SHARE THE UPCOMING NEWS ON
THIS CHANNEL WHICH WILL MAKE US CONNECT MORE CLOSER AND PLEASE ADD US IN CONTACT LIST.



+91 7290000544



INFO@COHESIVEGLOBAL.COM , INFO@GRANDSTREAMINDIA.COM

WWW.COHESIVEGLOBAL.COM, WWW.GRANDSTREAMINDIA.COM, WWW.SNOM-INDIA.COM

Corporate Office: CS-4, 5 & 6, 4th Floor, Ansal Plaza, Sector 3, Vaishali,
Ghaziabad (U.P) – 201010 **Contact No** +91 120 4830000, +91 7290000544