



VINFOCOM IT

— SERVICES PVT LTD. —

Building Safer Roads & Smarter Mobility



S-Tracer

RF NETWORK MONITORING
(2G/3G/4G/5G/WIFI/CNPN)



Dapto

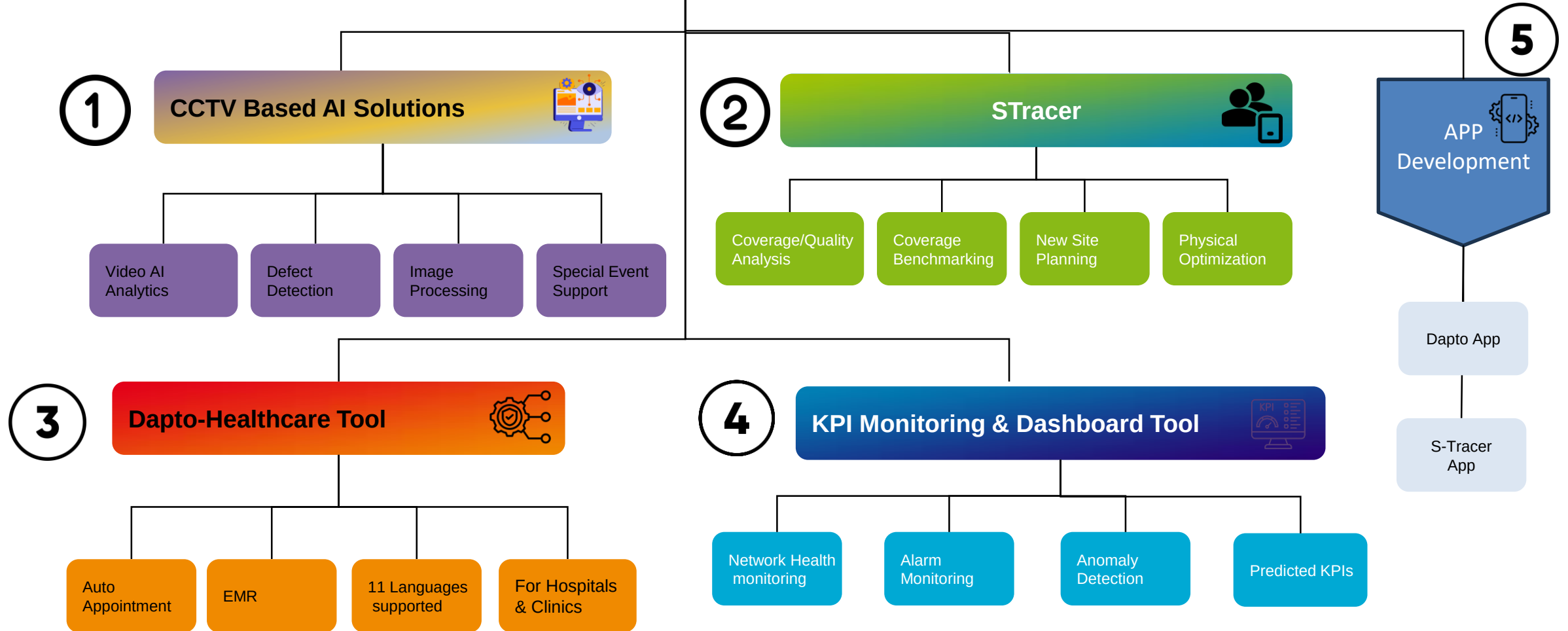
HEALTHCARE -
SMART CLINIC/HOSPITAL



Vinfo AI

AI CCTV ANALYTICS
VMS PLATFORM

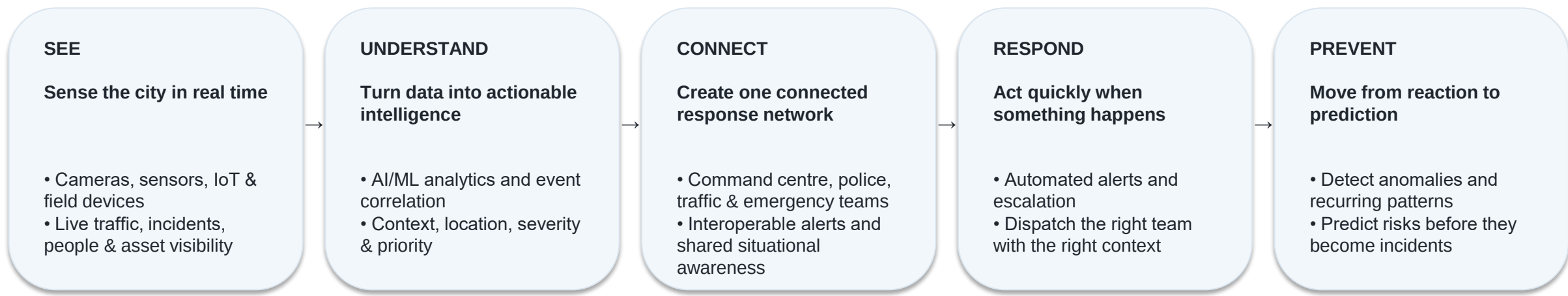
Vinfocom Product Portfolio



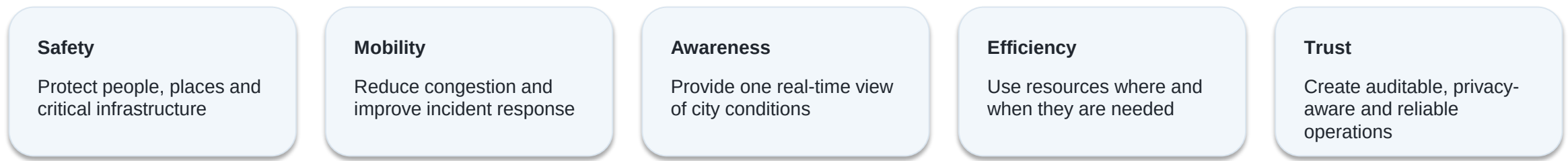
All Software are developed by Indians in India



What We Expect from SAFE CITY



A SAFE CITY SHOULD DELIVER



How SAFE Is a City If It Cannot Protect a Person in Time?

One missed vehicle • One delayed alert • One blind spot • One disconnected camera



WHERE SMART CITIES CAN BECOME UNSAFE

01 BLIND SPOTS

Critical areas may remain outside effective camera or sensor coverage.

02 ALERT OVERLOAD

Too many alerts can overwhelm operators and delay prioritization of critical events.

03 DETECTION WITHOUT ACTION

An incident may be detected, but a delayed response can still put people at risk.

04 DISCONNECTED SYSTEMS

Cameras, control rooms, field teams and response systems may operate in silos.

05 NETWORK DEPENDENCY

Connectivity failures can interrupt access to critical video, alerts or city data.

06 HUMAN OVERLOAD

Operators cannot continuously monitor thousands of feeds and events without intelligent prioritization.

THE KEY RISK

The weakest link is often the gap between detection and action.

A truly smart city must not only see an incident — it must understand, prioritize and respond in time.



FROM CCTV TO CITY SAFETY INTELLIGENCE

PROTECT PEOPLE

- Pedestrian safety
- People safety & fall detection
- Crowd detection
- Restricted-zone monitoring
- Tailgating / unauthorized entry

PROTECT ROADS

- ANPR & vehicle identification
- Speed violation detection
- Traffic monitoring
- Wrong-way / abnormal driving
- Vehicle behavior analysis

PROTECT CRITICAL ASSETS

- Fire & smoke detection
- Perimeter / restricted-area monitoring
- Missing-object detection
- Critical infrastructure monitoring
- Intrusion & tamper alerts

THE INTELLIGENCE LAYER

Detect → Understand → Prioritize → Respond

Turn existing CCTV infrastructure into an intelligent, proactive safety layer.

Move beyond video monitoring — enable real-time detection, actionable alerts and faster response.

Security: Frictionless access control and unauthorized entry prevention



Face Recognition System (FRS)

- Touchless, real-time biometric identification powered by deep learning embeddings.
- Matches live feeds against registered databases for seamless access, while logging anonymized demographics.



Tailgating Detection

- Automatically identifies when an unauthorized individual shadows an authorized badge-holder through a secure entry point.
- Triggers instant visual alerts to security personnel.

Traffic Intelligence: Real-time vehicular tracking and OCR classification



ANPR (Automatic Number Plate Recognition)

Combines YOLO object detection with Ollama precision OCR to log validated plate data across high-traffic scenarios.

Speed & Classification

Simultaneously calculates real-time speed and classifies vehicle types (Bus, 4-Wheeler, 2-Wheeler).

Applications

Smart parking (frictionless entry), Law Enforcement (automated e-challans), and Urban Planning (traffic density analysis).

Smart Search for Quick Response & Action

Runs / videos1 run selected

20260820_124703

2 cameras in scope

Cameras in scope: 2

Completed

New Chat

YOU04:47 PM

Find all UP number plates

ANALYTICS ASSISTANT04:47 PM

3 vehicles with plates starting with UP were observed. Showing 3 of 3.

Plates DetectedPlate detectedPlate: UP

Evidence

Showing 3 of 3 vehicles

All 3 matching vehicles shown.

VEHICLE_012

Run: 20260820_124703

Camera: CAM_002

CAR | SILVER

Track: TRACK_6

NUMBER PLATE

UP16DP4695

Seen: 00:06:10 - 00:08:23

View Track

Developer Details

VEHICLE_009

Run: 20260820_124703

Camera: CAM_002

CAR | SILVER

Track: TRACK_3

NUMBER PLATE

UP14DU3311

Seen: 00:03:70 - 00:10:77

View Track

Developer Details

VEHICLE_005

Run: 20260820_124703

Camera: CAM_002

CAR | WHITE

Track: TRACK_3

NUMBER PLATE

UP84AT5988

Seen: 00:00:80 - 00:02:30

View Track

Developer Details

Smart CHATBOT
For QUICK Search

CAM_002TRACK_6

Run: 20260820_124703 / Camera: CAM_002

UP16DP4695

Completed

Open full track page

Vehicle Class

CAR

Colour

SILVER

Licence Plate

UP16DP4695

Plate Confidence

0.819

First Seen

00:06:10

Last Seen

00:08:23

Duration

00:02:13

Frame Range

183 -> 247

00:06:10

00:08:23

First Seen

Best Evidence / Key Frames

Last Seen

Evidence

Full annotated frame context alongside the exact crop used for the AI result.

FIRST

Timestamp: 00:06:10 / Frame: 183

FULL FRAME

VEHICLE CROP

Runs / videos1 run selected

20260820_124703

2 cameras in scope

Cameras in scope: 2

Completed

New Chat

YOU04:48 PM

Find plates containing 311

ANALYTICS ASSISTANT04:48 PM

1 vehicle with plates containing 311 was observed. Showing 1 of 1.

Plates DetectedPlate detectedPlate: 311

Evidence

Showing 1 of 1 vehicles

All 1 matching vehicles shown.

VEHICLE_009

Run: 20260820_124703

Camera: CAM_002

SUV | SILVER

Track: TRACK_3

NUMBER PLATE

UP14DU3311

Seen: 00:03:70 - 00:10:77

View Track

Developer Details

Vehicle Type/ Color
Number

How many cars were there? | Show white car | When were bikes more than cars? | What colours were the motorcycles?

Ask about selected run, camera, plates, time ranges, or evidence.

DashboardVehiclesVideo ChatRunsRun ControlSettingsSystem

CAM_002TRACK_4

Run: 20260820_124703 / Camera: CAM_002

UP14DU3311

Completed

Open full track page

Vehicle Class

CAR

Colour

BLACK

Licence Plate

UP14DU3311

Plate Confidence

0.781

First Seen

00:03:70

Last Seen

00:04:43

Duration

00:00:73

Frame Range

111 -> 133

00:03:70

00:04:43

First Seen

Best Evidence / Key Frames

Last Seen

Evidence

Full annotated frame context alongside the exact crop used for the AI result.

FIRST

Timestamp: 00:03:70 / Frame: 111

FULL FRAME

VEHICLE CROP

Identify & Track
the Vehicles from partial number

Safety: Early warning systems that protect lives and critical assets

Fire & Smoke Detection



Detects visible combustion long before ceiling thermal sensors trigger, enabling faster evacuations in high-risk interiors and vast warehouses

Fall Detection



Automatically detects sudden falls or prone individuals across cluttered hospital wards, factories, or eldercare facilities. Flags events for rapid

Crowd Detection



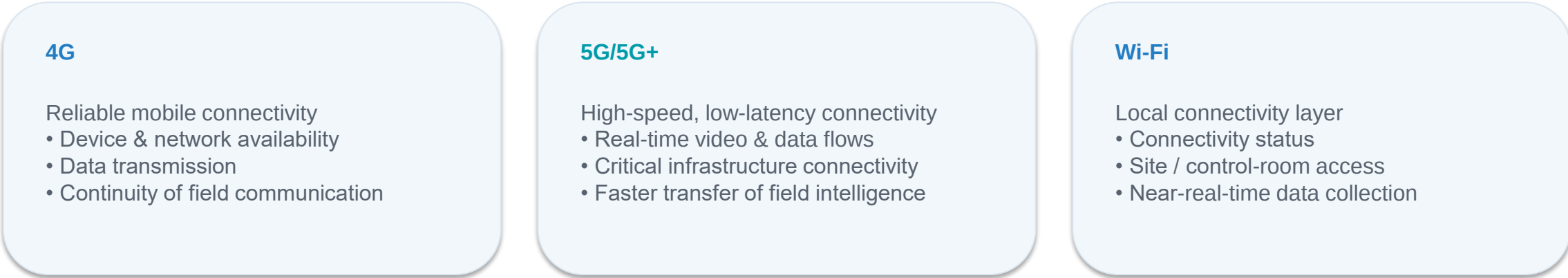
Live on-screen count overlays identify dangerous high-density clusters before public incidents escalate.



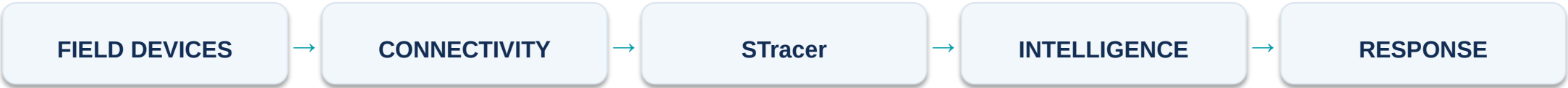
STRACER: KEEPING THE SAFETY LOOP ALIVE

NEAR-REAL-TIME CONNECTIVITY FOR CRITICAL CITY OPERATIONS

Keeping field intelligence, control rooms and response teams connected when every second matters.



CONNECTED SAFETY LOOP

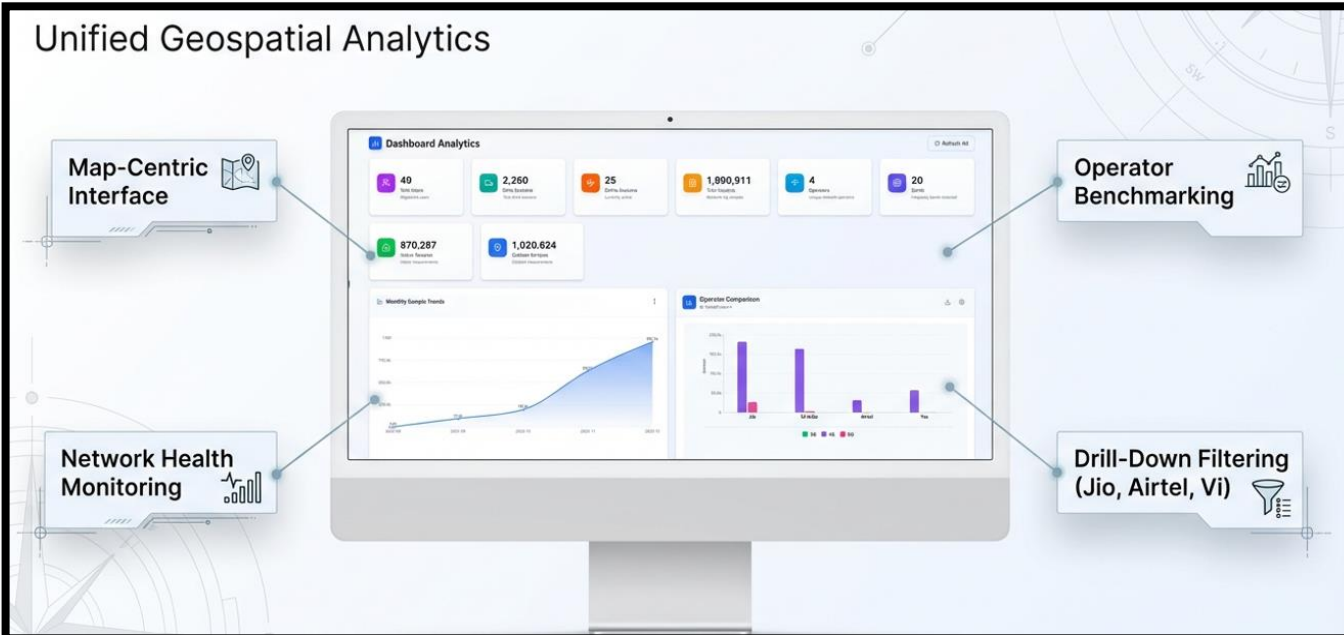


Connectivity is not just an IT convenience — for critical city operations, it is a safety requirement.

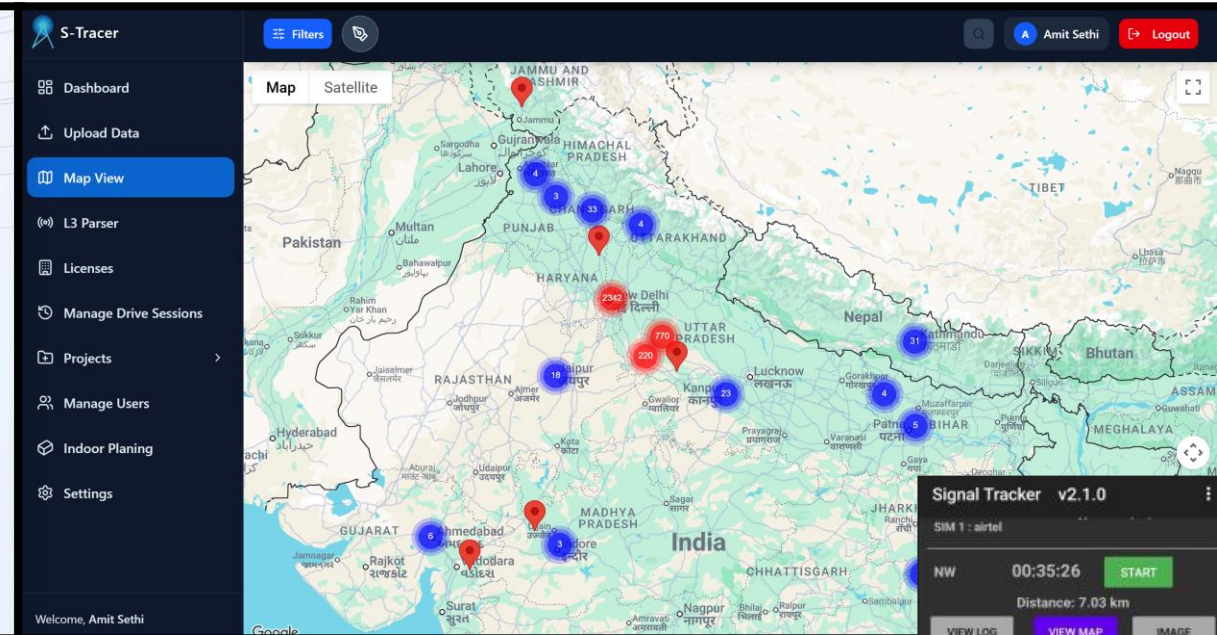
STracer helps keep network visibility and field intelligence available for timely decisions and action.

Command Centre - Dashboard

Dashboard View



Dashboard Map View



Support 2G,3G,4G ,5G & 5G+Technologies including Wi-Fi

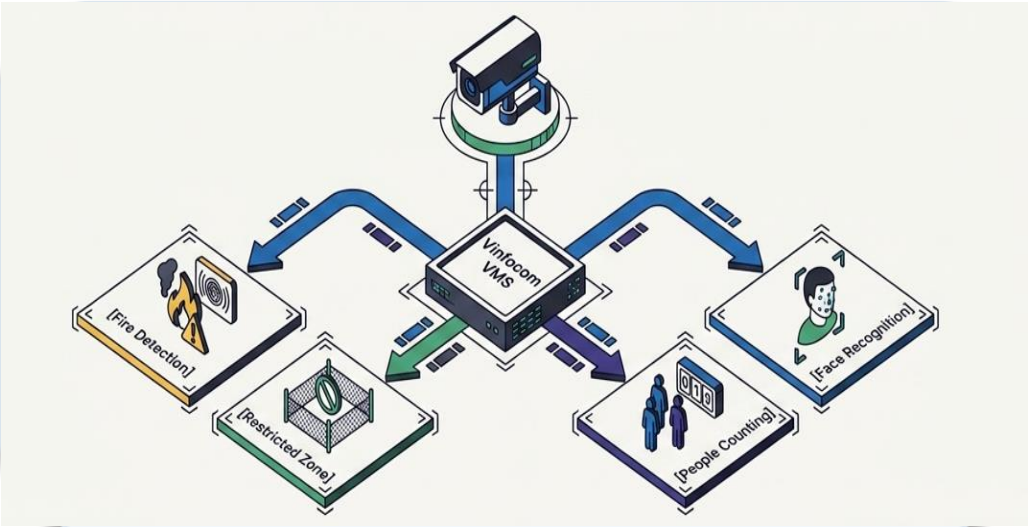
**App Based
Monitoring**

HOW OUR MODEL WORKS

30-SECOND SAFETY RESPONSE & LEARNING CYCLE

- 01 **INCIDENT** A person, vehicle or activity enters a risk zone or triggers a safety event.
- 02 **DETECTION** AI identifies the relevant activity or anomaly from the video feed.
- 03 **VERIFICATION** The event is validated and routed to the appropriate monitoring environment.
- 04 **COMMUNICATION** Relevant information and alerts are transmitted to the response network.
- 05 **DECISION** The operator or authorized team assesses the event and selects the required action.
- 06 **RESPONSE** The emergency, security or field team acts on the verified alert.
- 07 **LEARNING** The event is recorded to improve future detection, prioritization and prevention.

CONNECTED SAFETY INTELLIGENCE



THE INTELLIGENCE LOOP



ONE INTELLIGENCE LAYER FOR SAFE CITY OPERATIONS

Bring video, mobility, network and operational context together.

VIDEO AI

People • Vehicles • Incidents

NETWORK

2G/3G/4G/5G+/Wi-Fi •
Coverage • Quality

GEO / MOBILITY

Location • Movement •
Hotspots

FIELD DATA

Events • Assets • Response
status

CITY INTELLIGENCE LAYER

Context • Correlation • Prioritisation • Prediction

COMMAND CENTRE

Prioritised alerts

TRAFFIC OPERATIONS

Mobility actions

EMERGENCY / FIELD

Response coordination

PLANNING

Optimisation & investment

The objective is not more data — it is better decisions.



THE WAY FORWARD

BUILDING A SMARTER CITY IS A TECHNOLOGY JOURNEY.

BUILDING A SAFER CITY IS A HUMAN RESPONSIBILITY.

AI

See, understand and prioritise.

CONNECTIVITY

Keep information moving.

PEOPLE

Enable informed decisions.

INFRASTRUCTURE

Turn intelligence into action.

DATA

Learn continuously and improve.

Technology helps people protect people — faster, smarter and more reliably.

LET'S CLOSE THE GAP BETWEEN DETECTION AND ACTION.

From cameras and data to context, intelligence and response.

A smarter city is one that can see, understand and act when it matters most.

Thank You

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Stracer — Made-in-India Network Intelligence

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AI/ML • RF Testing & Measurement • Network Analytics • Video AI Analytics • Enterprise IT