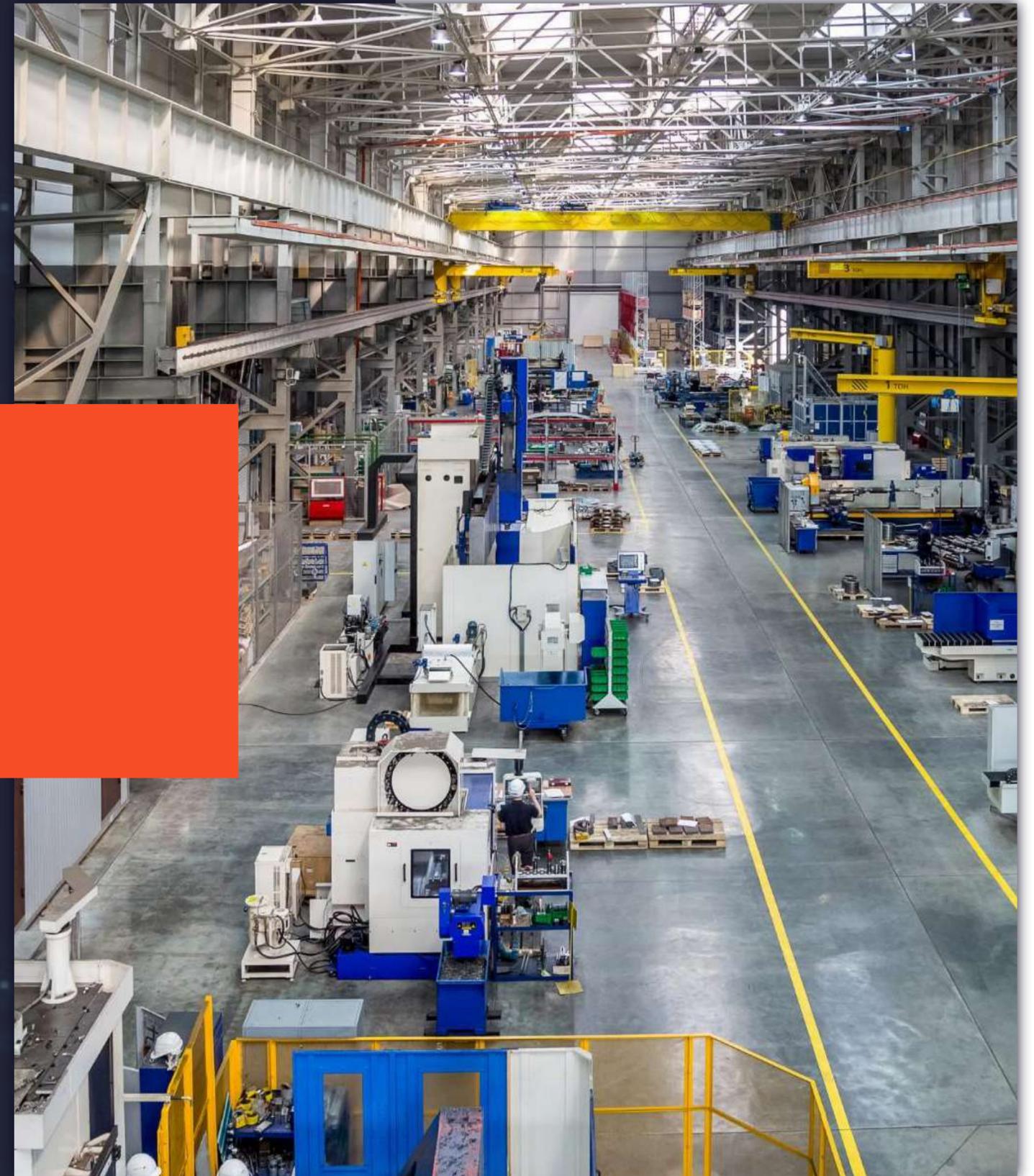




JARVIS VIDEO ANALYTICS

FOR **MANUFACTURING &**
WAREHOUSE INDUSTRY





COMPANY OVERVIEW

Staqu Technologies Private Limited is an AI research firm having more than 6 years of experience in solving complex business processes. With a proprietary AI technology stack comprising of advanced image and video analysis tools, language and text independent speaker identification engine, speech recognition, facial recognition and text processing APIs, Staqu provides plug n play solutions across the industry to solve critical business problems.

50+

**PROJECTS
DONE**

02

PATENTS

25+

**RESEARCH
PAPERS**

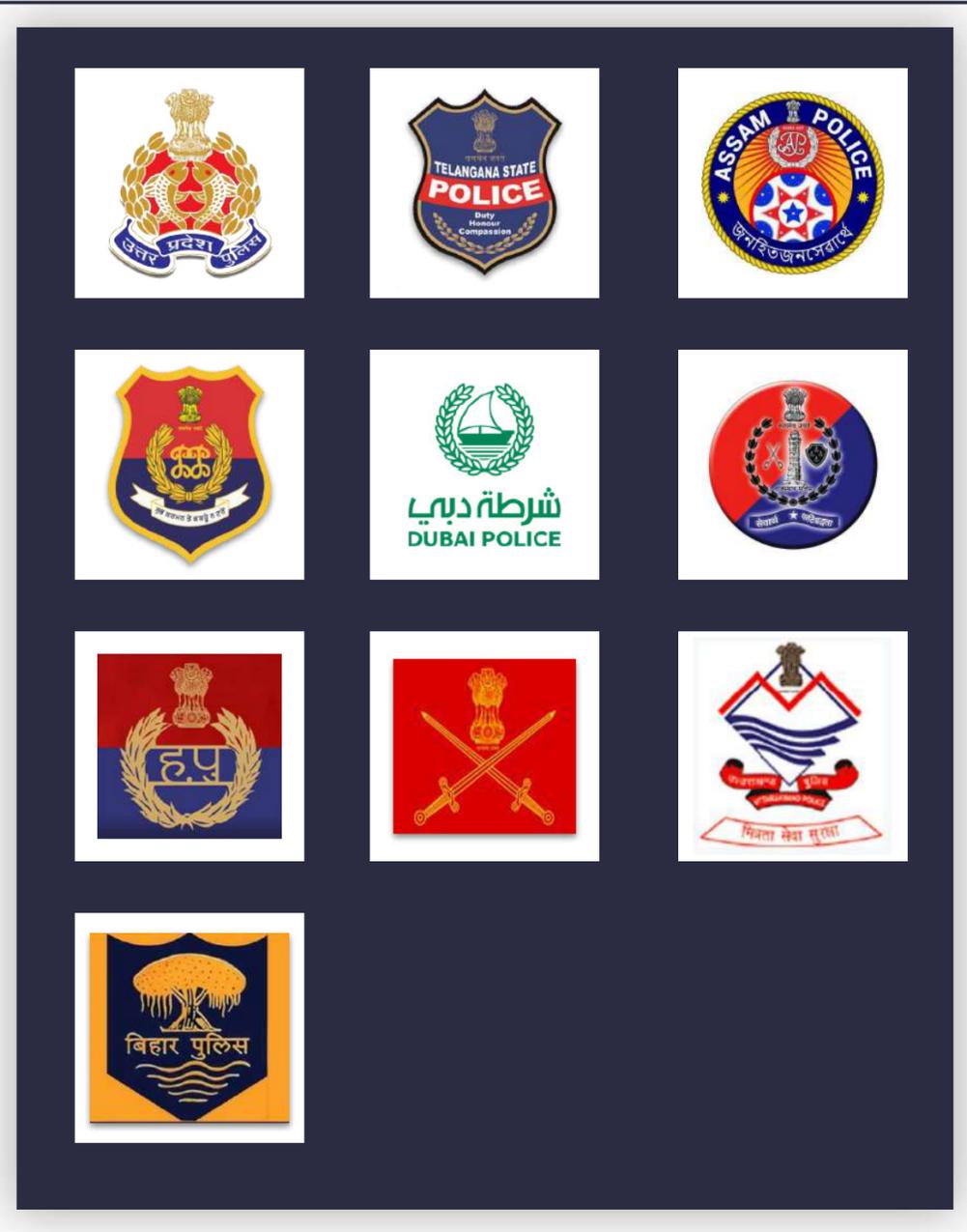
Safety & Hygiene

Homeland Security

COVID-19 Response

People Analytics

OUR PREMIUM CLIENTS & PARTNERS



CURRENT CHALLENGES



- **Manual monitoring** of hundreds of CCTV cameras for 24x7 across multiple screens is nearly impossible. Even if they try to find out some suspicious activity it may incur some **unusual delay** in communication
- Most **manufacturing facilities** use CCTV cameras to monitor their premises, but they couldn't maximize their video surveillance investments that can increase their ROI by automating the overall hygiene, safety/ security and guest experiential processes
- Existing Video Management Softwares (VMS) used for CCTV monitoring are **not smart** in nature and don't have capability to intelligently identify suspicious activities
- In some cases, the **non-availability of centralised monitoring** and remote access restricts them to take proactive actions in case of any breach
- In this COVID pandemic, why to spend on extra H/W? Why don't you leverage your existing CCTV infrastructure to detect **face mask, social distancing norms** and **hygiene standards** to enhance the guest experience?



**VIDEO ANALYTICS SOLUTION
TO AUTOMATE**

**SAFETY, SECURITY, HYGIENE & OPERATIONAL
PROCESSES**

SAFETY & SECURITY MODULE



SAFETY HELMET DETECTION



PERSON MOVEMENT AT UNAUTH. AREA



PERSON COLLAPSED DETECTION



VEHICLE ANALYSIS - YARD IN/ OUT



VEHICLE ACCESS CONTROL (ANPR)



EMPLOYEE PRODUCTIVITY ANALYSIS

SAFETY & SECURITY MODULE



LOADING & UNLOADING TIME CHECK



FACE RECOGNITION



PEOPLE COUNTING



PALLET/ BAGGAGE COUNT ANALYSIS



SAFETY JACKET DETECTION



FIRE DETECTION

SAFETY & SECURITY MODULE



OVER CROWD DETECTION



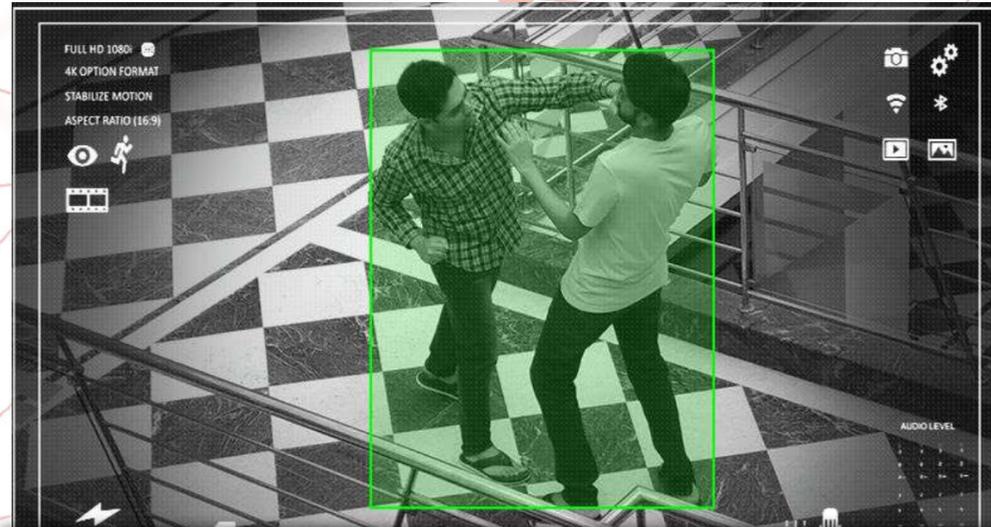
BLACKLISTED PERSON DETECTION



INTRUSION DETECTION



THEFT/ PILFERAGE PREVENTION



VIOLENCE DETECTION

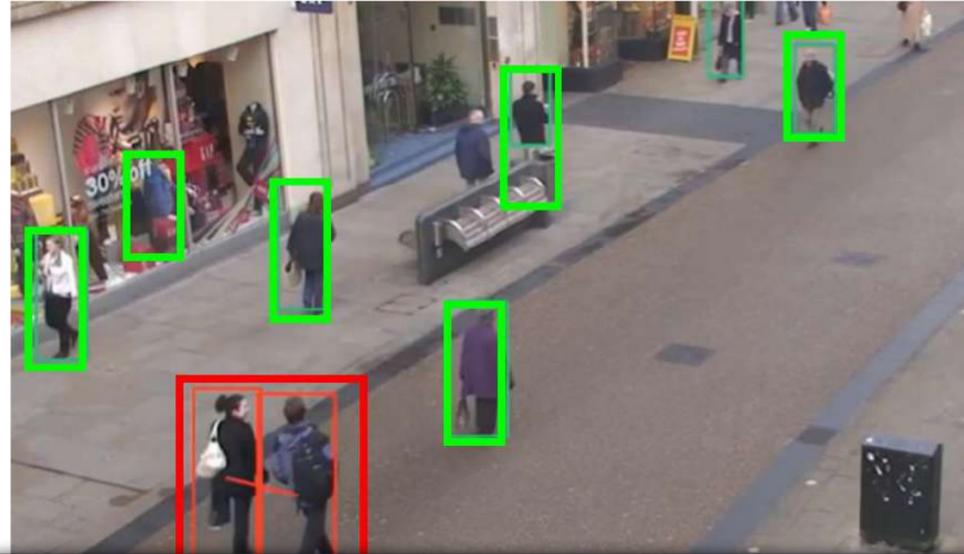


PERIMETER SECURITY

COVID-19 & HYGIENE MODULE



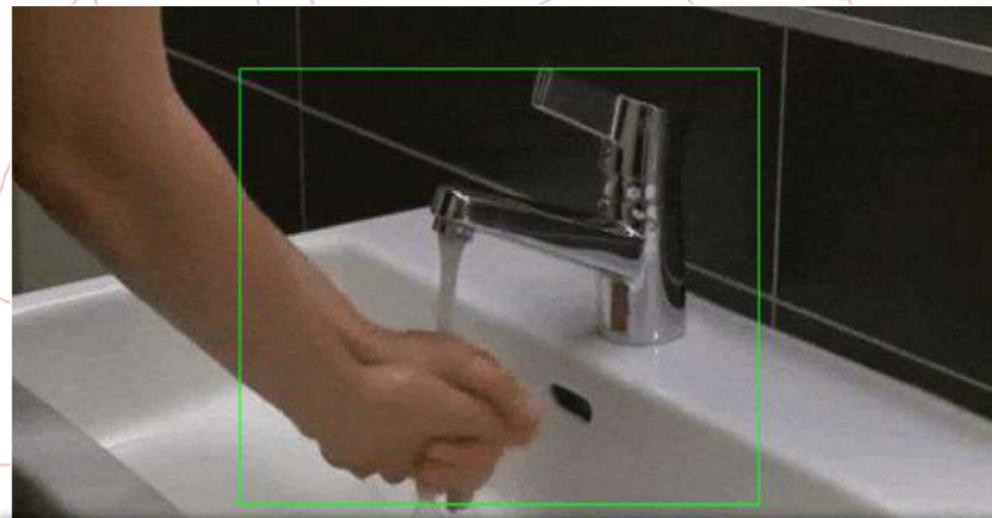
FACE MASK ADHERENCE



SOCIAL DISTANCING VIOLATION CHECK



CONTACT TRACING - COVID SUSPECT



HAND WASH DETECTION



CLEANING/ MOPPING DETECTION



THERMAL CAMERA INTEGRATION*

FORENSIC & ADVANCED ANALYTICS



CENTRALISED & REMOTE MONITORING



REAL TIME ALERTS ON VIDEO WALL



FORENSIC/ LEGAL CASE INVESTIGATION



AUDIT REPORTING & ANALYTICS



CAMERA TAMPERING

ARCHITECTURE DIAGRAM

FACE MASK CHECK

INTRUSION DETECTION

HYGIENE CHECK

SAFETY GEAR CHECK

Camera Feeds from NVR or DVR

CONTROL COMMAND CENTER

SECURITY ADMIN

MOBILE ALERT

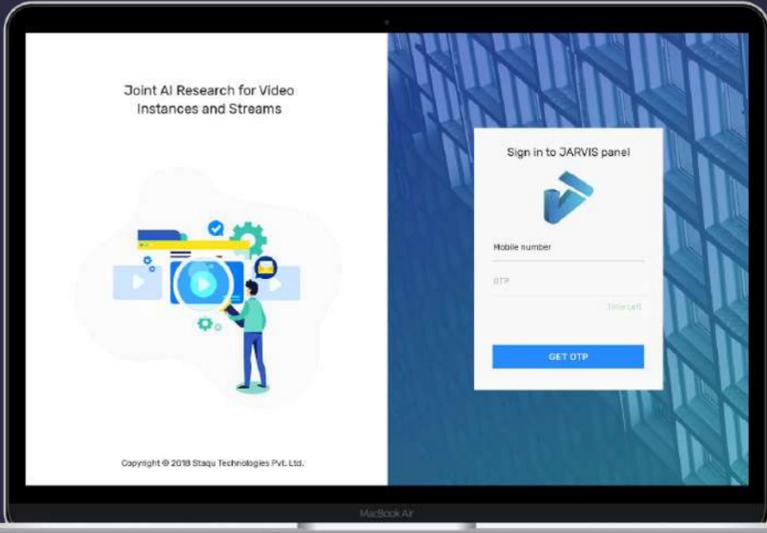
Real- Time Alerts In Case of Any Suspicious Activity



AI Engine

Real- Time Alerts

COMPONENTS OF JARVIS



Joint AI Research for Video Instances and Streams

Sign in to JARVIS panel

Mobile number

OTP

GET OTP

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DESKTOP SOFTWARE



Signin

Enter Phone Number

Enter OTP

GENERATE OTP

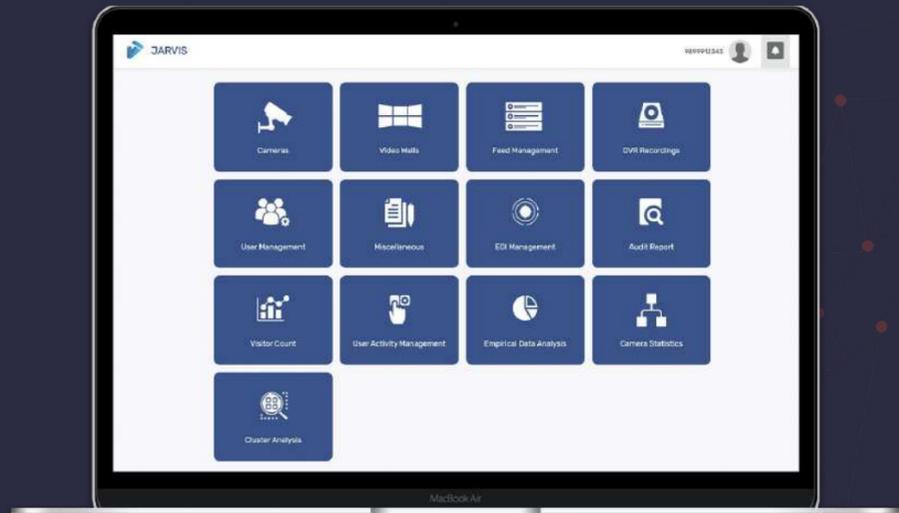
OR

REGISTER

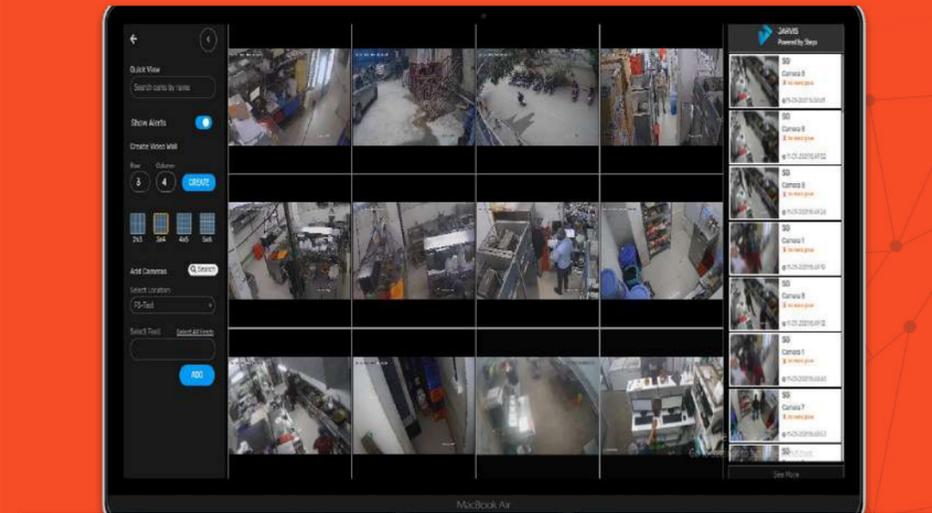
MOBILE APP



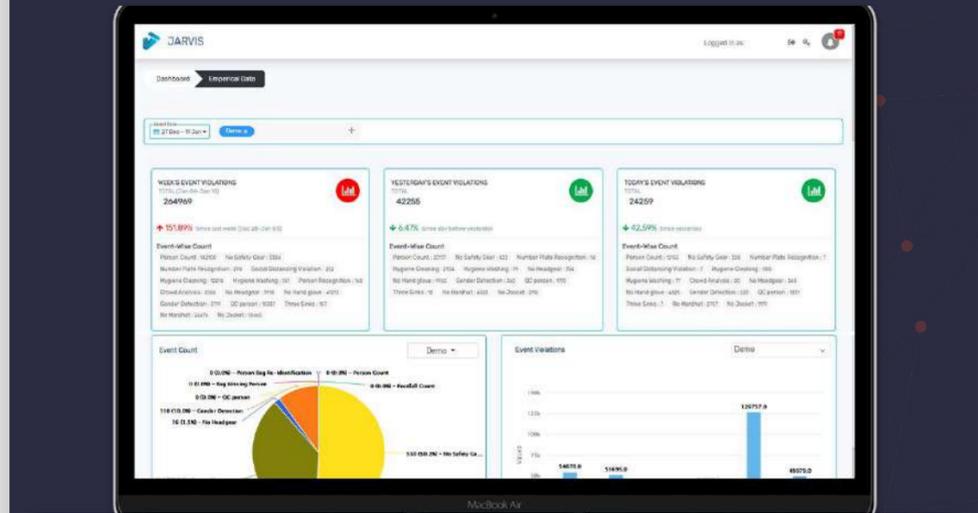
VIDEO WALL SOFTWARE
(REAL - TIME ALERTS)



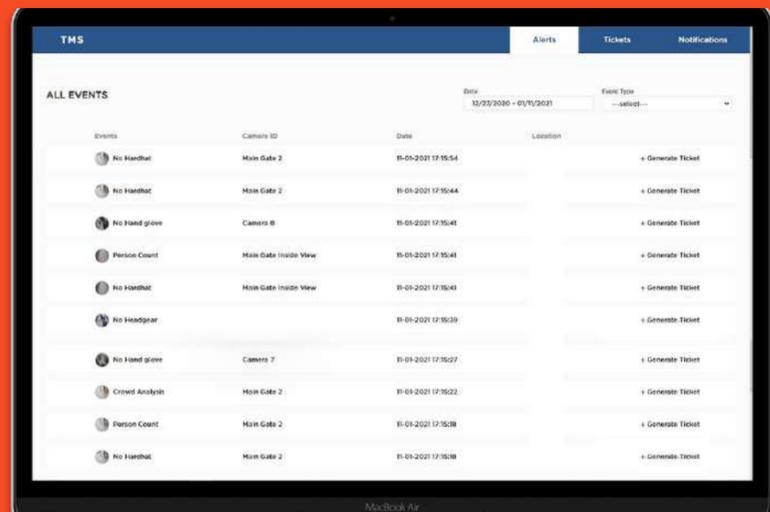
JARVIS VMS DASHBOARD



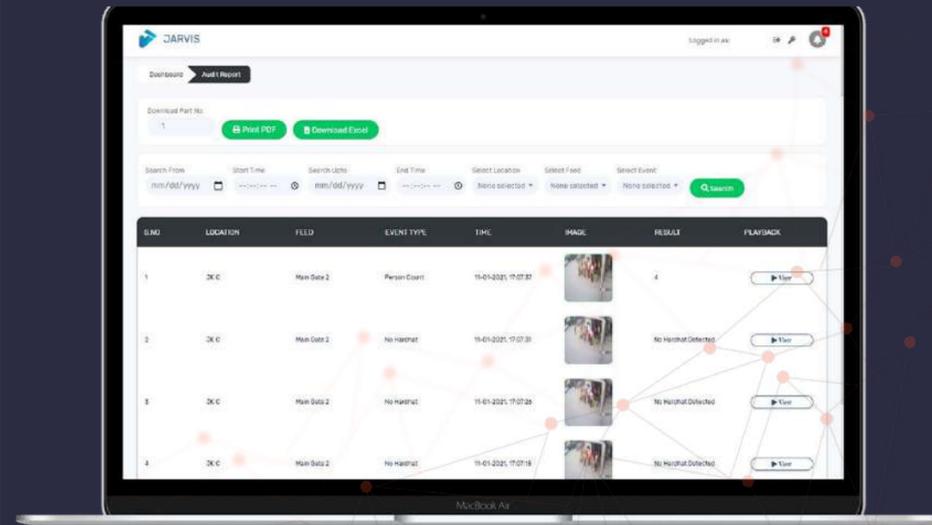
REAL- TIME ALERTS ON VIDEO WALL



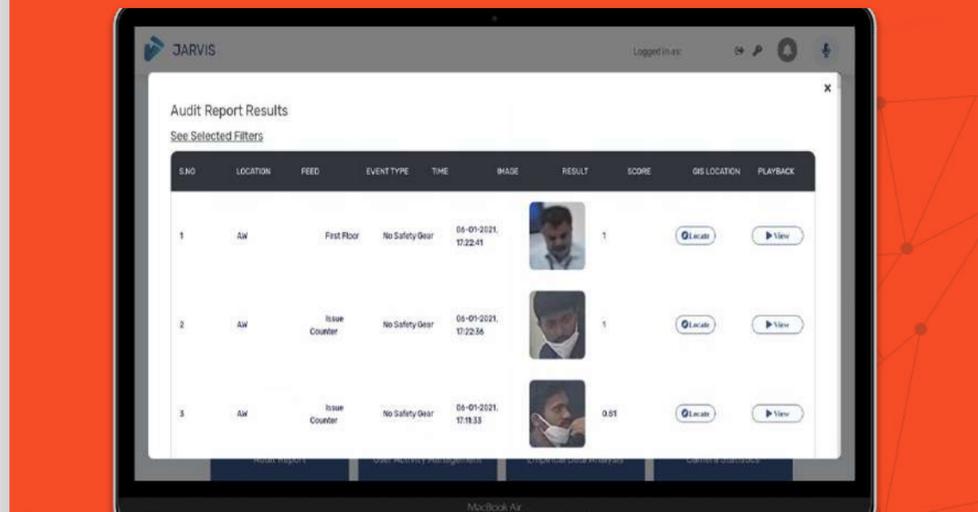
REPORTS & ANALYTICS



TICKET MANAGEMENT SYSTEM

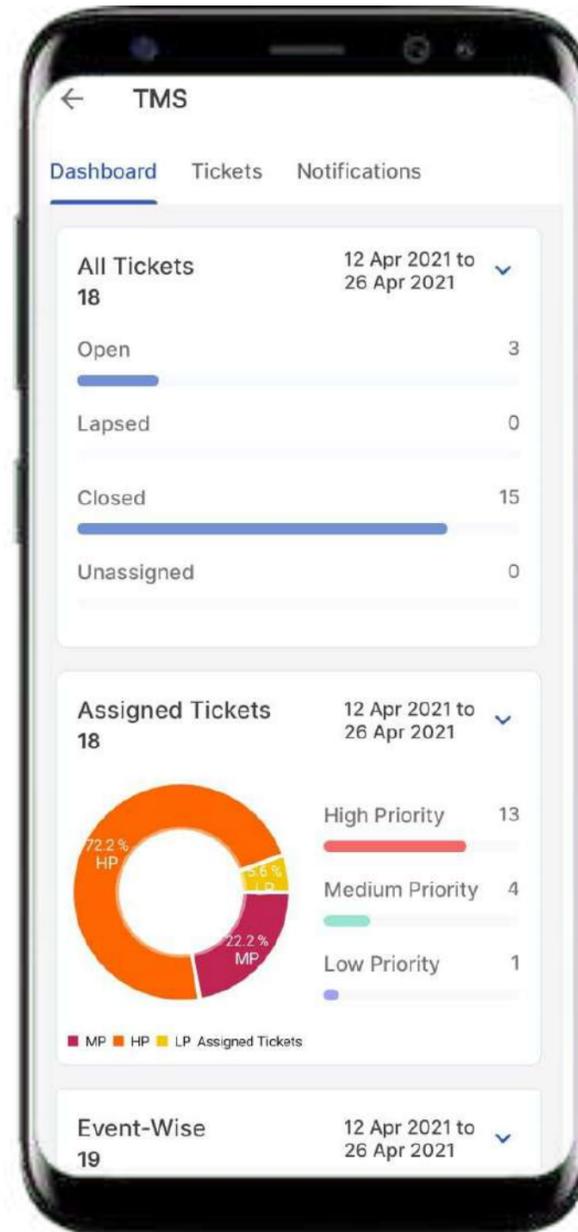
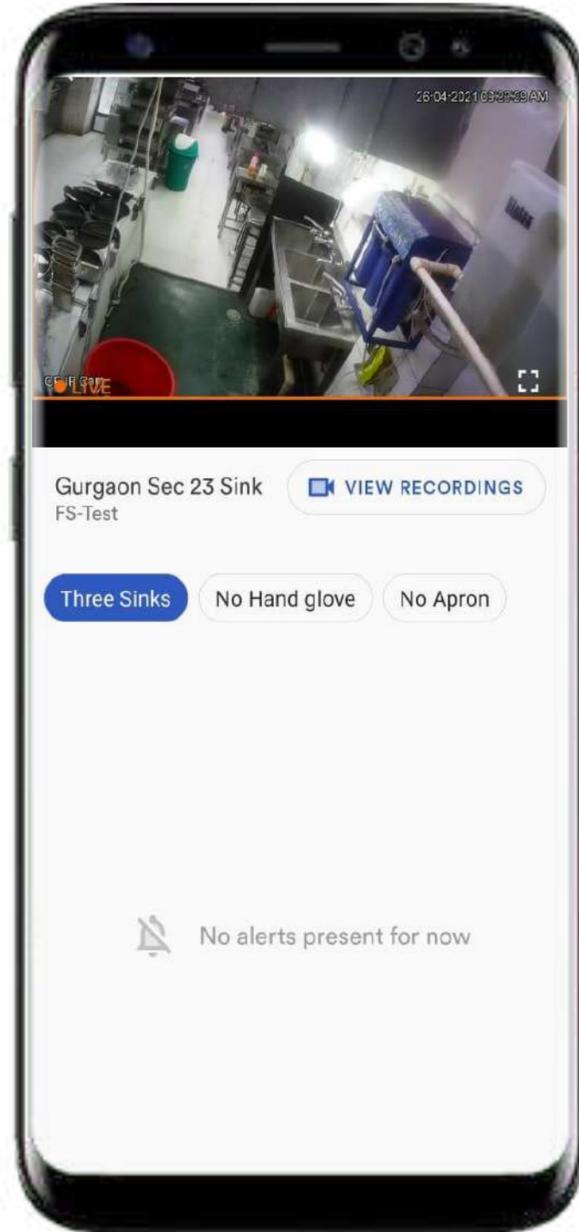
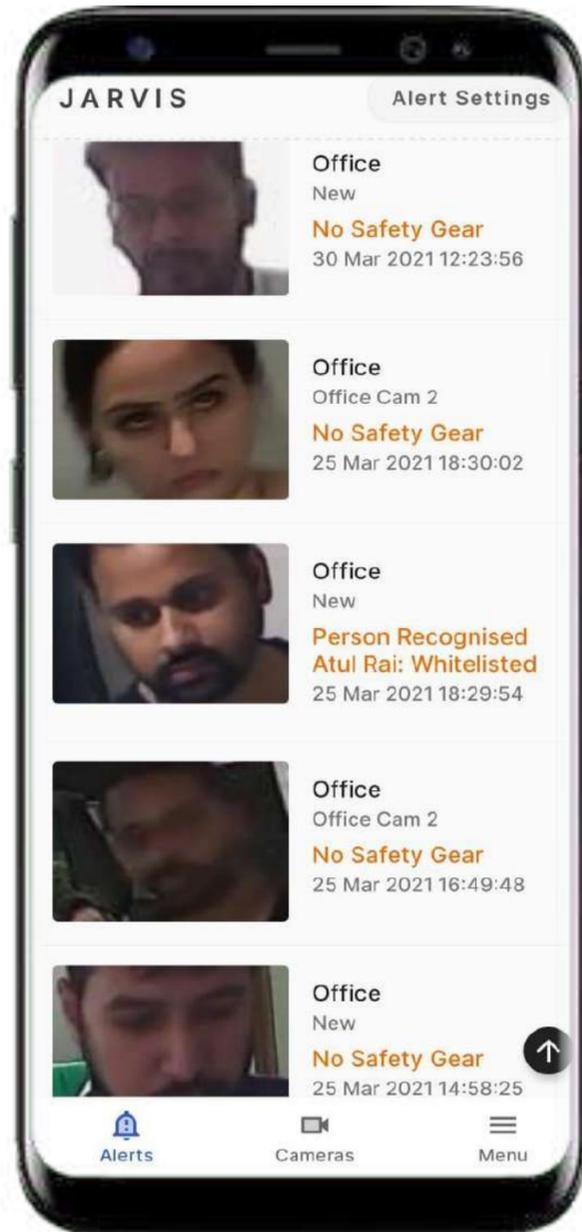


AUDIT REPORTING & TRACKING



SIAN

FEATURES OF JARVIS APP



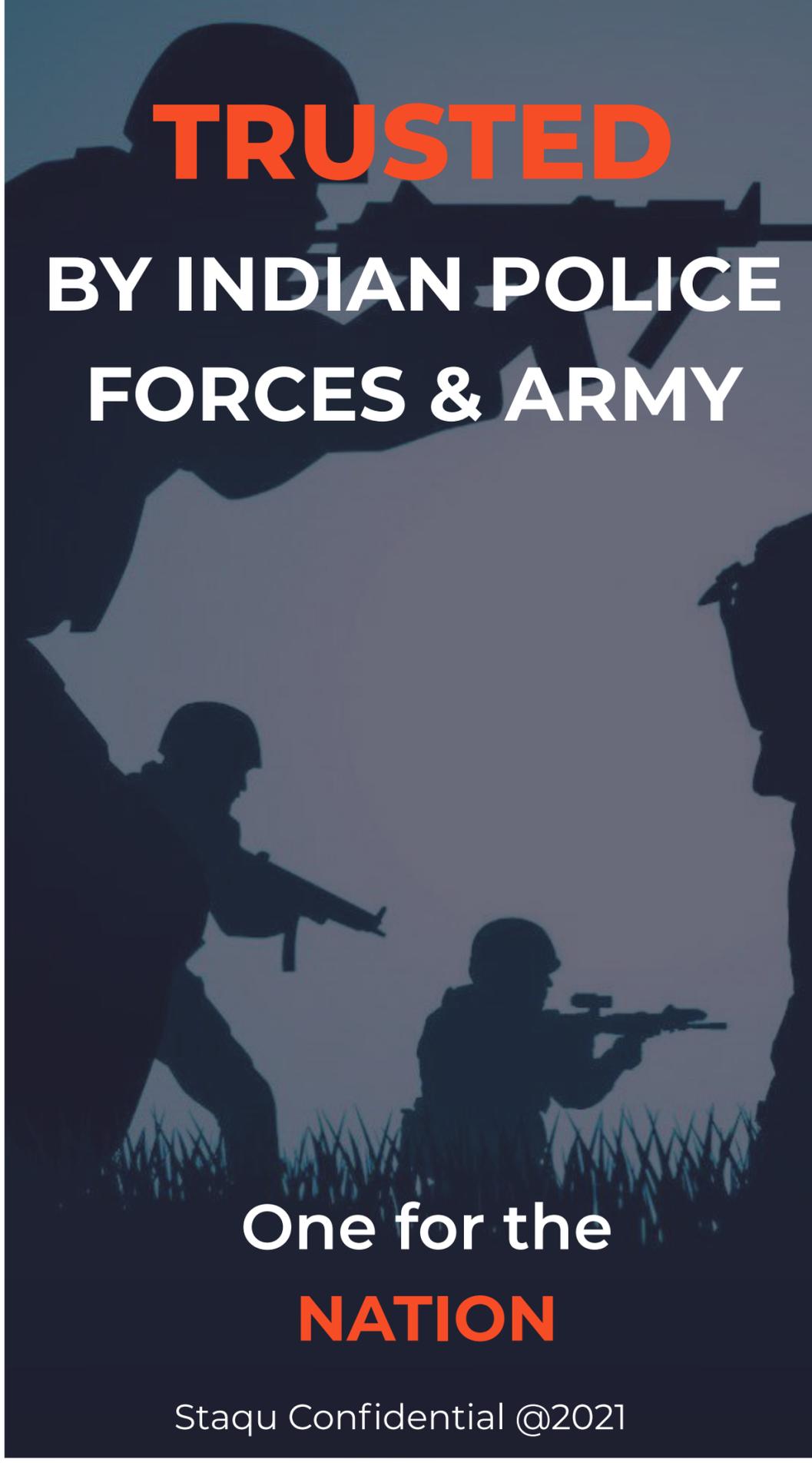
FEATURES & SPECIFICATIONS

- **High Accuracy:** Our Facial Recognition System comes with more than **99.7%** accuracy in LFW Dataset, Youtube Faces, Indian and foreign facial databases.
- **Camera Agnostic:** Our AI models are camera agnostic and is not particularly optimized for a particular brand, make and model of the camera. It works with any IP camera with at least 2 MP.
- **Plug n Play Solution (Minimal CAPEX Infusion):** We just need an IP camera and decent internet connectivity to run JARVIS. It can be further integrated with any VMS and can be deployed on cloud or edge.
- **Access Anywhere Anytime:** You can do multi-site deployment with centralized monitoring and cloud backup.
- **Resolution Independent:** The face recognition can be performed on videos with any resolution, 640×480 or higher. And, the size of the face should be atleast 30x30 pixels.
- **One Stop Automated Solution:** For all safety, security, productivity and hygiene compliances.



PROCESSING
20,000+
CAMERAS / MONTH

Ensuring **SAFER**
workplaces



TRUSTED
BY INDIAN POLICE
FORCES & ARMY

One for the
NATION

Staqu Confidential @2021



2 MILLION+
REAL-TIME ALERTS
PER MONTH

And the count is
STILL ON

OUR LAURELS & ACCOLADES



STARTUP INDIA
AWARD IN
CITIZEN SECURITY



TIE LUMIS
AWARD



IAMAI
AWARD



NASSCOM AI
GAME CHANGER



TOP-17
STARTUPS TIMES
OF INDIA



WINNER
OF IBM GEP
AWARD 2016



WINNER
OF IBM GEP
AWARD 2015

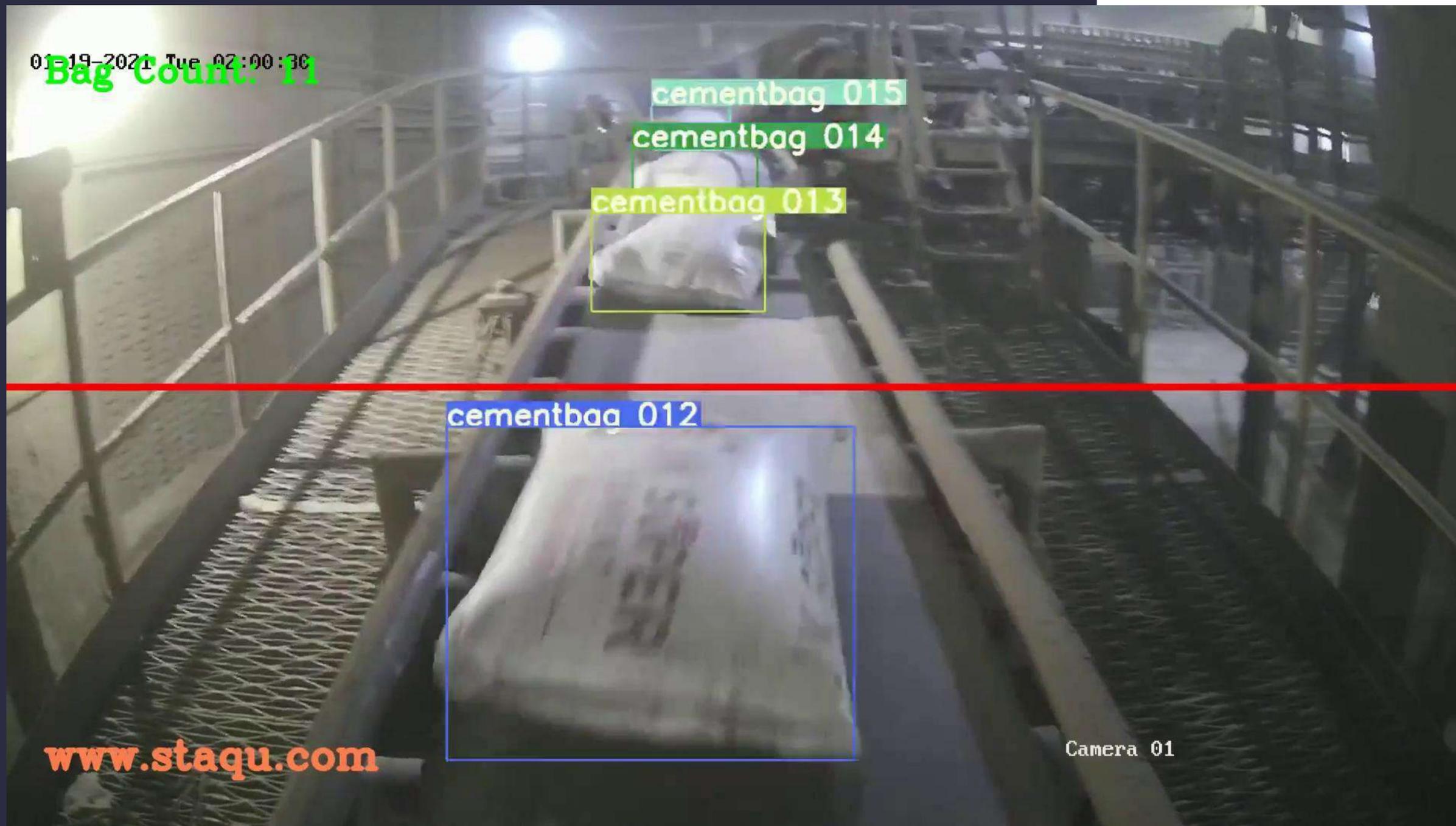
DEMO VIDEOS



PALLET/ BOX COUNTING



CUSTOM MODULE DEMO





301, JMD Regent Plaza Mall,
Mehrauli-Gurgaon Road, DLF Phase-I,
Sector 26, Gurgaon, Haryana - 122002

M: +91-9891763622

E: info@staqu.com

W: www.staqu.com