

AICUDA TECHNOLOGY AND IRONYUN

WORLD'S LEADING AI ENGINE BUILDERS

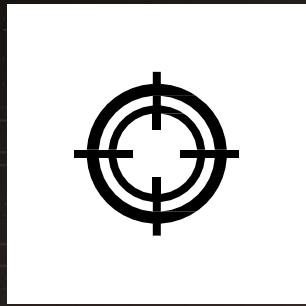
VAIDIO

MILESTONE SYSTEMS

EXPERIENCE THE POWER OF XPROTECT

ANALYTICS FOR A SAFER WORLD





ACCURATE
ALERTS



MAXIMIZED
EFFICIENCY



FAST
VIDEO SEARCH



AI-ENABLED
ANALYTICS



COMPREHENSIVE
FUNCTIONALITY

VERSATILE

More analytics than any alternative

FAST

Search days of video in minutes

ACCURATE

Reduce false positives by orders of magnitude

IMMEDIATE

Real-time alerts in 3 seconds or less

INTELLIGENT

Natural-language search across multiple objects

OPEN

Integrate with 97% of ONVIF devices

IMPACTFUL

Increase alert readiness, improve productivity



CONSTRUCTION

EMPLOYEE SAFETY



Uniform recognition



Glove usage



People Counting



Person Smoking

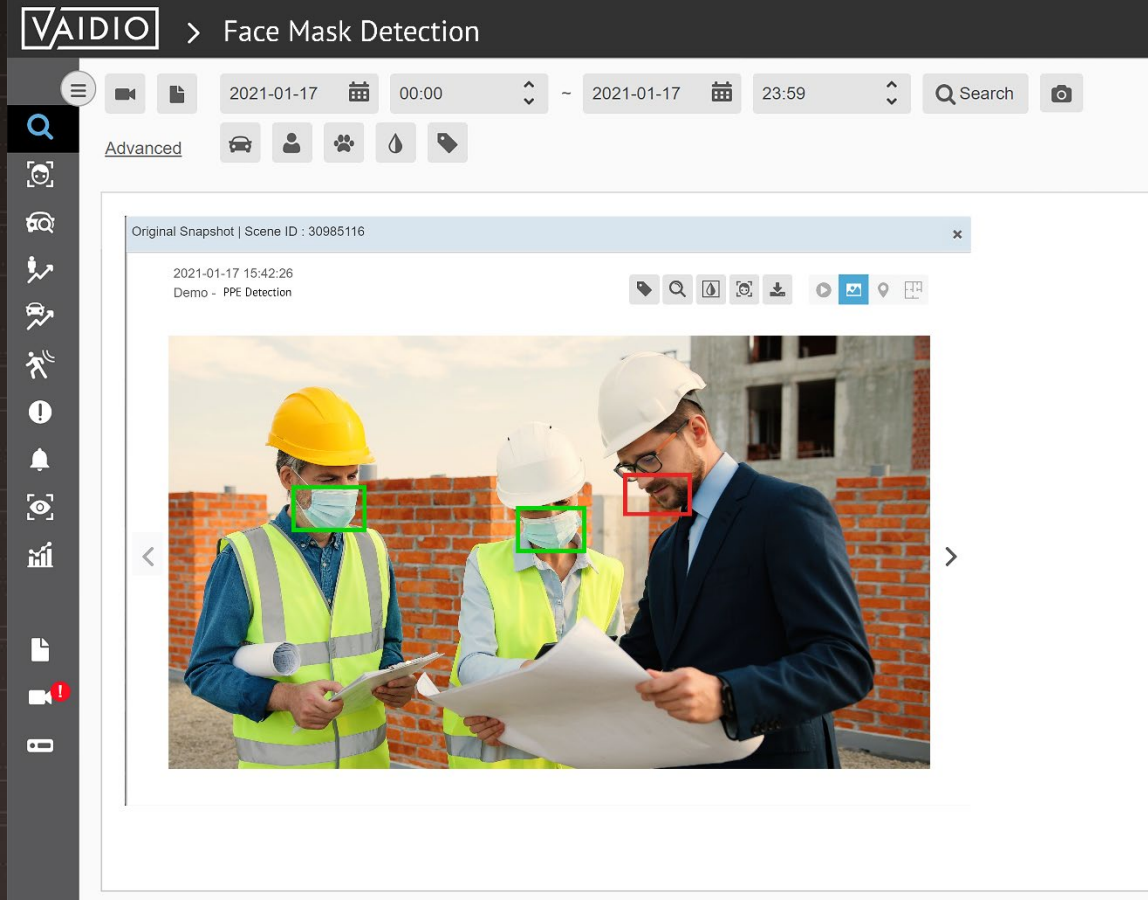


Helmet usage



Fall Detection

AI-BASED FACE MASK DETECTION



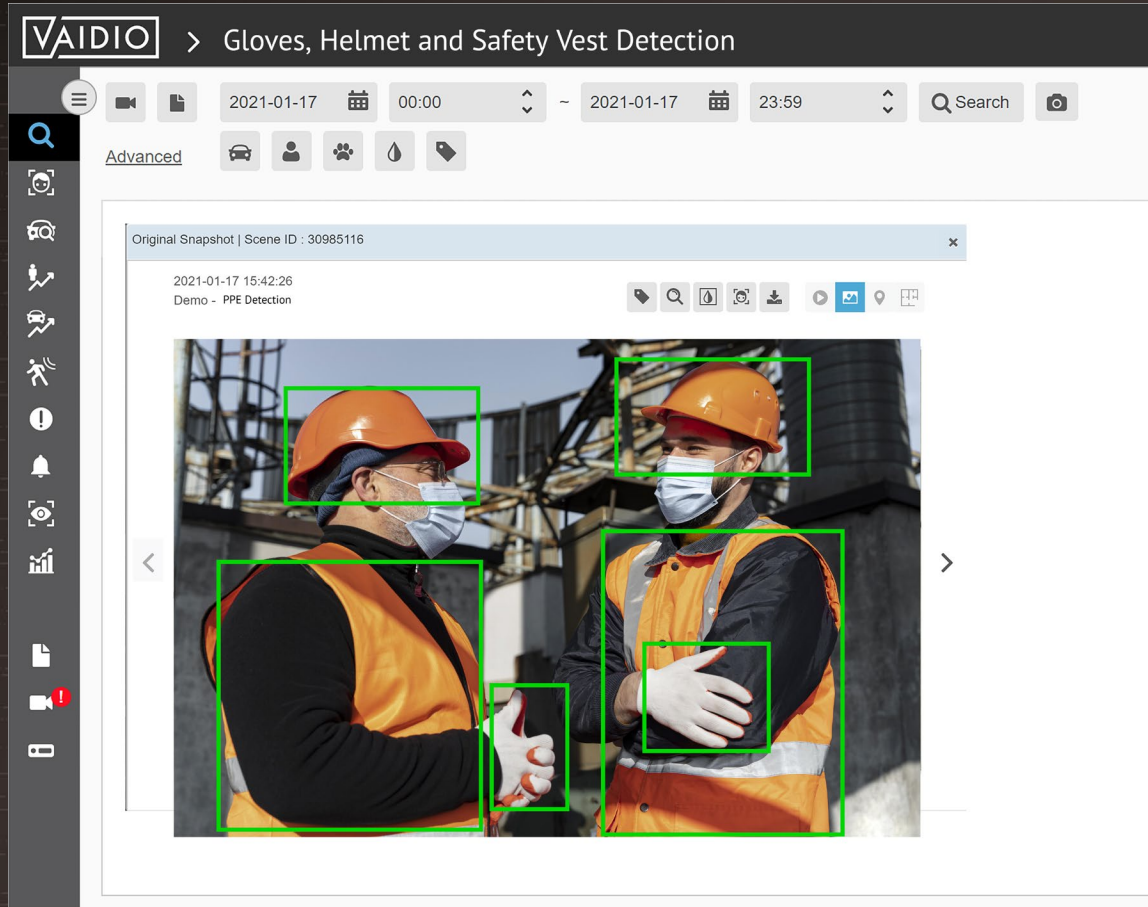
DETECT PERSONS THAT ARE WEARING OR NOT WEARING A FACE MASK AT A CONSTRUCTION SITE

GENERATE REPORTS FROM MULTIPLE CONSTRUCTION SITES TO COMPARE THE NUMBER OF PERSONS THAT WEAR FACE MASKS VERSUS THE NUMBER OF PERSONS THAT DO NOT WEAR FACE MASKS

MAP TRACKING MULTIPLE CAMERAS

MAP POSITIONING FOR REAL-TIME ALERTS

AI-BASED GLOVES, HELMET & SAFETY VEST DETECTION



DETECT PERSONS THAT ARE WEARING OR NOT WEARING GLOVES, HELMET AND SAFETY VEST AT A CONSTRUCTION SITE

GRANT WORKERS ACCESS TO CONSTRUCTION SITES BASED ON WHETHER PROTECTIVE GEAR IS IDENTIFIED OR NOT

GENERATE REPORTS FROM MULTIPLE CONSTRUCTION SITES TO COMPARE THE NUMBER OF PERSONS WEARING PROTECTIVE GEAR VERSUS THE NUMBER OF PERSONS NOT WEARING PROTECTIVE GEAR

MAP TRACKING MULTIPLE CAMERAS

MAP POSITIONING FOR REAL-TIME ALERTS

VAIDIO TOOL KIT

VAIDIO - DIY

DO IT
YOURSELF

ARTIFICIAL INTELLIGENCE
ENGINE BUILDER

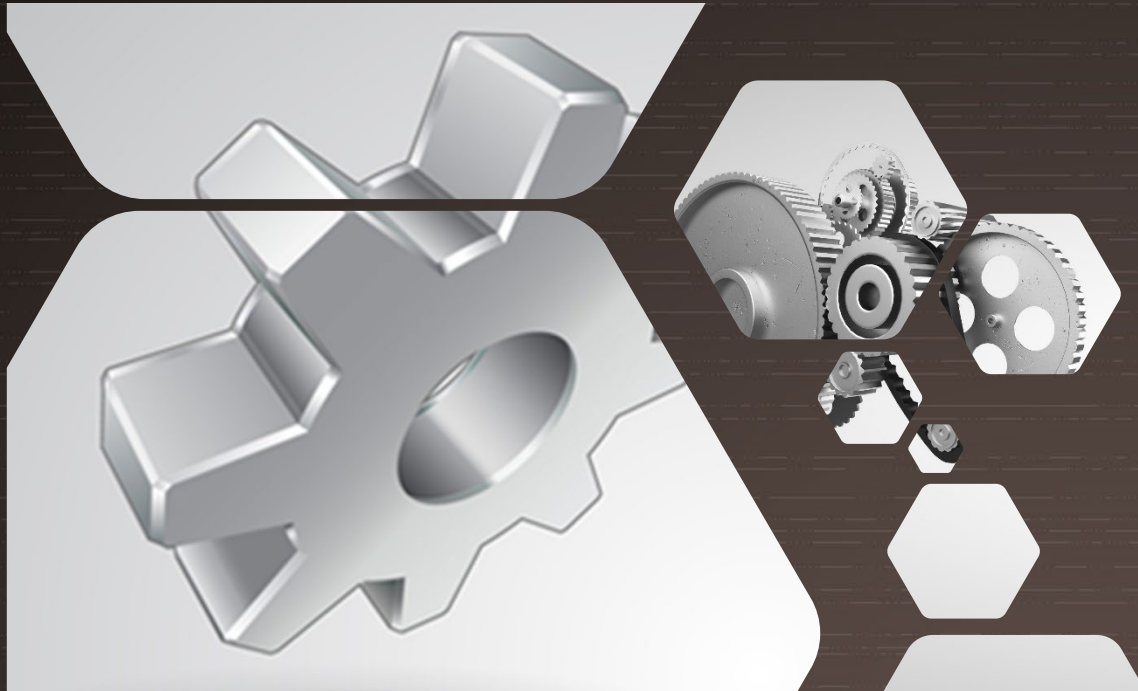
TRAIN YOUR OWN OBJECT
DETECTION MODEL

INPUT: USER SELECTED
FOOTAGE

OUTPUT: READY-TO-USE
AI MODEL



VAIDIO TOOL KIT



ADVANTAGES

EASE-OF-USE

NO KNOWLEDGE REQUIRED AROUND NEURAL NETWORKS, AI LIBRARIES, ALGORITHMS AND DATASETS

VERSATILITY

TRAIN A MODEL FOR ANY OBJECT

INTERFACE

INTUITIVE GRAPHICAL USER INTERFACE

SECURITY

NO DATA SHARING TO 3rd-PARTY LABELLING SERVICES

CUSTOMIZATION

NO CUSTOMIZATION FEE FOR CUSTOMER SPECIFIC REQUESTS



VAIDIO TOOL KIT



TRAIN YOUR OWN OBJECT
DETECTION MODEL FOR
CONSTRUCTION SITES WITH
YOUR OWN SELECTED FOOTAGE

USE CASE



CORROSION DETECTION

CHALLENGE

DETECT CORROSION IN CRANES

SOLUTION

TRAIN YOUR OWN CORROSION DETECTION MODEL FOR CRANES WITH VAIDIO-DIY

BENEFITS

- ❖ PROTECT THE SAFETY OF CONSTRUCTION WORKERS
- ❖ PREVENT SERIOUS ACCIDENTS

INTEGRATION CAPABILITIES



CAMERA INTEGRATION

CLOUD PLATFORM INTEGRATION

ERP INTEGRATION



IO DEVICE INTEGRATION

SOFTWARE SERVICES

VMS INTEGRATION

CONSTRUCTION



VAIDIO BENEFITS & SAVINGS

VAIDIO AI-ENABLED VIDEO ANALYTICS HELP MAINTAIN THE SAFETY AT CONSTRUCTION SITES

VAIDIO AI-ENABLED VIDEO ANALYTICS PROVIDES ACTIONABLE DATA TO ANALYZE & OPTIMIZE DECISION MAKING AROUND THE CONSTRUCTION SITE

REVIEW HOURS OF VIDEO IN SECONDS – INCREASE IN PRODUCTIVITY OF THE MONITORING SECURITY STAFF

REAL-TIME ALERTS AND PRO-ACTIVE FOLLOW UP CAN PREVENT EVENTS FROM HAPPENING – REDUCE DAMAGE

VAIDIO AI-ENABLED VIDEO ANALYTICS WILL REDUCE THE NUMBER OF FALSE POSITIVES TO A MINIMUM – SAVE TIME AND RESOURCES FROM INVESTIGATING FALSE ALERTS

MONITOR MULTIPLE CONSTRUCTION SITES FROM A CENTRAL LOCATION. PROVIDE REAL-TIME ALERTS TO ON-SITE SECURITY STAFF VIA MOBILE DEVICES

WORKING TOGETHER
ON THE ROAD TO A
SAFER TOMORROW



BY AICUDA TECHNOLOGY