PRODUCT DESCRIPTION
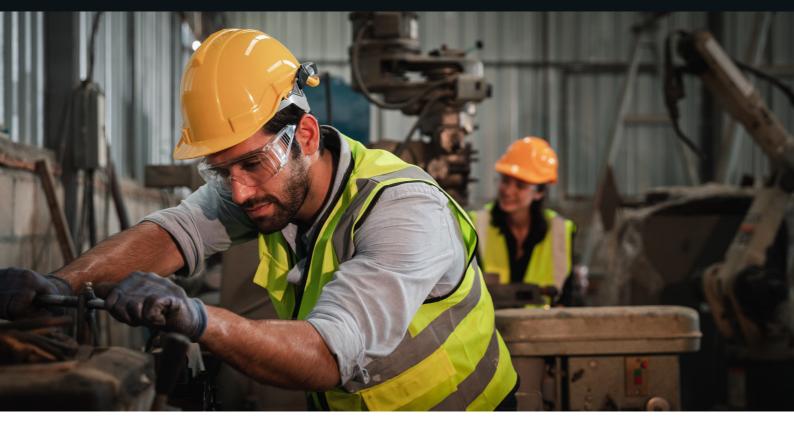
IncoreSoft VEZHA® Hard Hat software rapidly identifies the absence of a protective hard hat on a person's head while scanning the site and alerts management teams. This enables them to take action to prevent any injury at the worksite. This solution could be used for factories, plants, and various other workplaces.

VEZHA HARD HAT FEATURES

- Pre-built machine learning architecture, including infrastructure for model design, training, and deployment in production
- Ability to work with different colors of hard hats.
- Instant alarm/notification dispatched to office monitors, cell phones of concerned personnel, and speakers installed at the site
- Ability to work with low-quality images and video data to create solutions based on existing video and IT infrastructure.
- Had size for detection minimum: 30×30 px (WxH), recommended: 40×60 px (WxH) (resolution camera 2MPx)

GENERAL INFORMATION

SUPPORTED OPERATING SYSTEMS	LINUX UBUNTU 20.04 / FROM WINDOWS 10 / FROM WINDOWS SERVER 2019
SUPPORTED PLATFORM	X64
SUPPORTED HARDWARE ACCELERATION	INTEL OPENVINO / NVIDIA TENSORRT
SUPPORTED DATABASE	SUPPORTED DATABASE MYSQL / POSTGRESQL / MS SQL / ORACLE

INTERFACE

CAMERA STREAM PROTOCOL	RTSP / HTTP / HTTPS / ONVIF
RECORDED VIDEO FORMATS	MKV; MP4; ASF; AVI; MJPEG
SUPPORTED CODECS	MPEG-4; MJPEG; H.264; H.265
OUTPUT FORMATS	JSON / XML / CSV / PDF

MAIN FUNCTIONALITY

CENTRALIZED MANAGEMENT	✓
REAL-TIME ALARMS	✓
INTEGRATION WITH MICROSOFT POWER BI, GOOGLE DATA STUDIO, AND OTHERS	✓
NOTIFICATION SETTINGS: INTERNAL ALARM, BY TELEGRAM OR OTHER EXTERNAL SYSTEMS	✓
REST API	✓
INTEGRATED BUSINESS LOGIC BUILDER	✓
SUPPORT FOR VARIOUS INTERFACE LANGUAGES	✓

VMS INTEGRATION

EVENT BASED INTEGRATION	LUXRIOT EVO, MILESTONE XPROTECT, NX META, AND OTHER
PLUGINS INTEGRATION	LUXRIOT EVO, MILESTONE XPROTECT, NX META

SECURITY FEATURES

ACTIVE DIRECTORY / LDAP	✓
GROUPS AND ROLES SUPPORT	✓
ENCRYPTION OF ALL PACKAGES	✓