Vision Based
People Protective Equipment
Non- Compliance Detection Solution

BOSCH
Invented for life

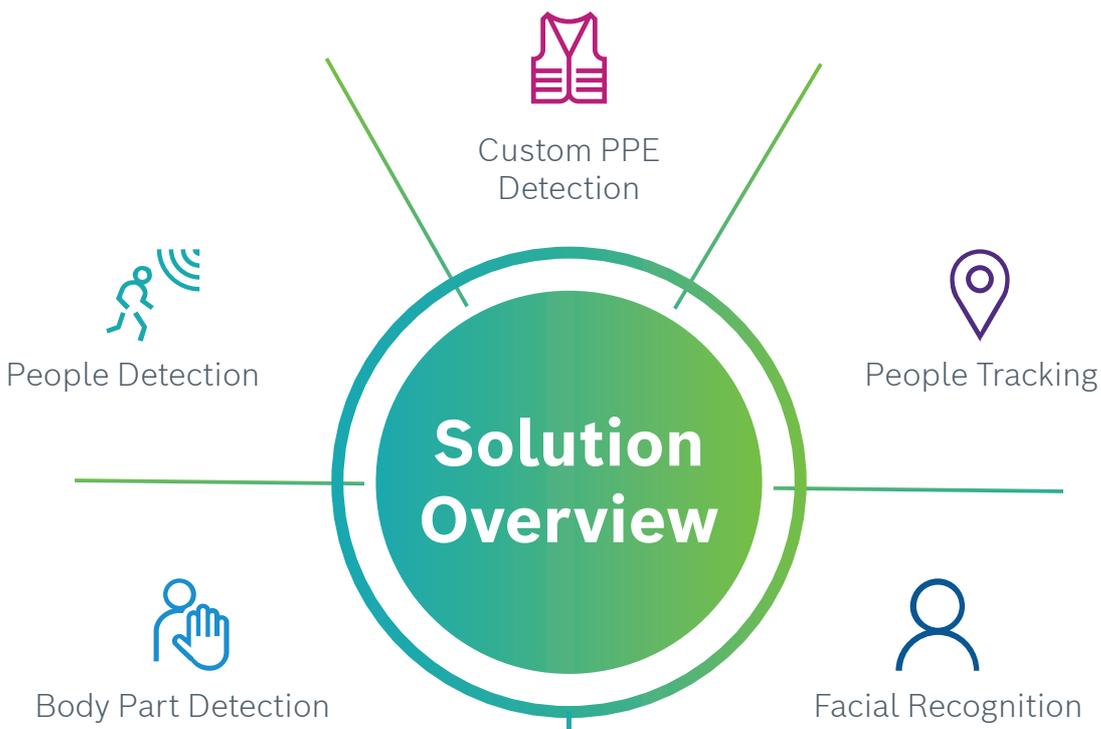Helmet · Vest · Helmet · Vest · Helmet · Helmet · Vest · Vest

Introduction

Goal
- ▶ Detect and alert while employees do not adhere to safety compliance of wearing People Protective Equipment (PPE) defined by organization.
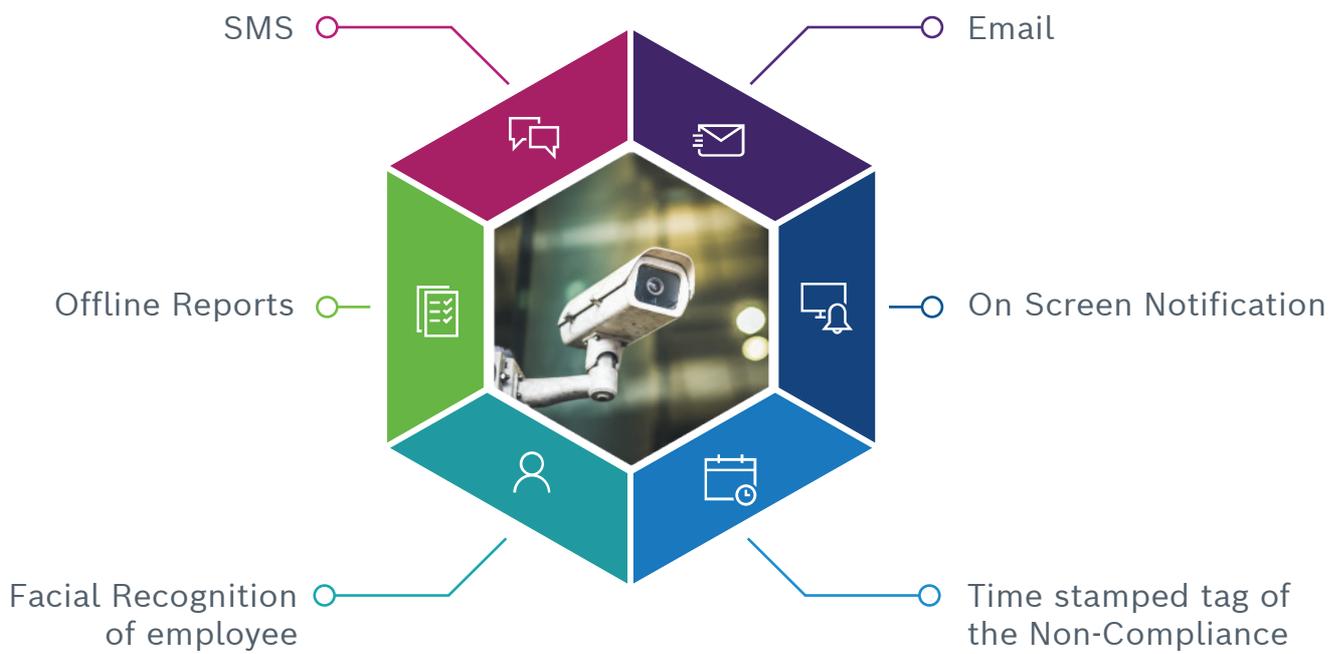- ▶ Tagging of the employee through facial recognition

Scope
- ▶ Vision based Detection and analytics
- ▶ Processing done on Windows OS based system connected to the cameras
- ▶ Live alerts and offline reports.

Solution Overview

- Custom PPE Detection
- People Detection
- People Tracking
- Body Part Detection
- Facial Recognition

Result Output

Alert will be issued in the form of

- SMS
- Email
- Offline Reports
- On Screen Notification
- Facial Recognition of employee
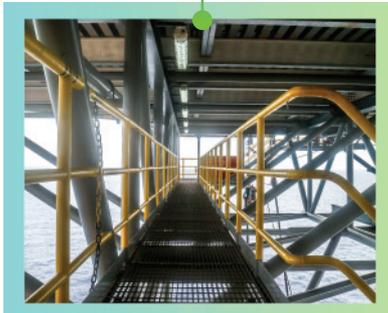- Time stamped tag of the Non-Compliance

Use Cases

- To Check emission norms for Pollution
- Hand Rail Non Compliance
- Detect Compliance in LAB scenarios