

IIOT and Cyber physical systems

Applications of AI Solutions for

- Security and Surveillance(Defense/Civil)
- Manufacturing Industry
- Process Industry/Pollution Control
- General Civil and law enforcement applications
- Enterprise solutions; productivity enhancement

1. Perimeter Monitoring & Intrusion Detection (PMID)

Highlights:

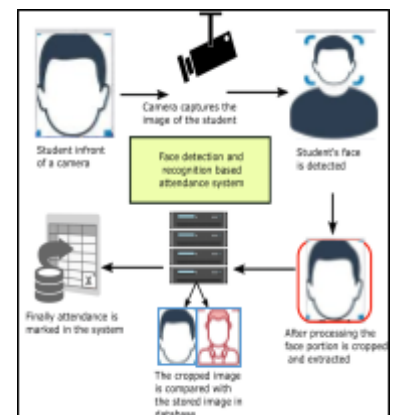
- PMID solution helps secure perimeter of critical installations
- 24/7 monitoring and alerting to detect human/ animal etc intrusions
- Real-time alerting at command centre or mobile phones/ edge devices
- Customizable boundaries or regions to be monitored on the fly
- Simple user friendly dashboard/ interface
- Solution Deployable on cloud/ on premise



2. Face Recognition

Highlights:

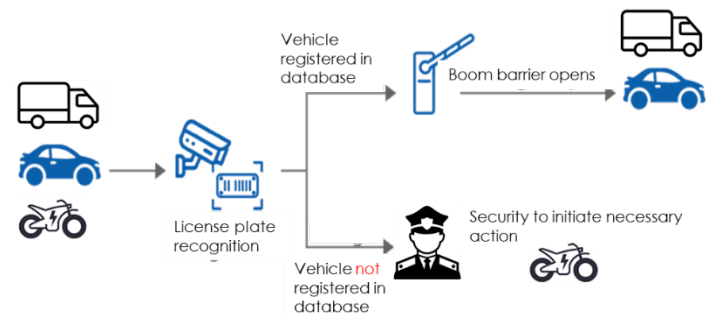
- Secure access to critical installations
- 24/7 monitoring and alerting for un-authorized entry
- Real-time alerting at command centre or mobile phones/ edge devices
- Solution Deployable on cloud/ on premise
- Simple user friendly dashboard/ interface



3. Vehicle Authentication

Highlights

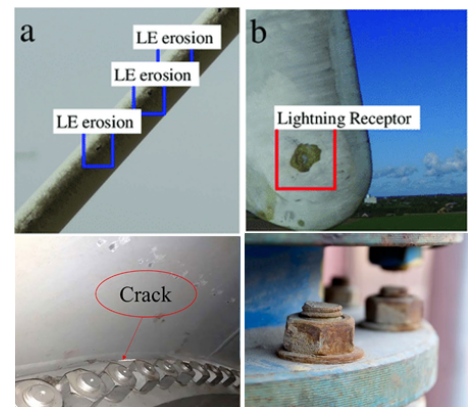
- Non-contact health check for individuals
- 24/7 monitoring and alerting for persons with fever
- Real-time alerting at command centre or mobile phones/ edge devices
- Solution Deployable on cloud/ on premise
- Simple user friendly dashboard/ interface



4. Defect Identification

Highlights

- Non-contact checking of parts
- Camera feed for identification of parts
- Characterising of defects based on ML
- Fast check of parts in screening in quality control
- Checking for flaws/damages due to operational conditions
- Corrosion induced failures



5. Predictive & Preventive Maintenance

Highlights

- Multi sensor feed
- Baselineing of asset performance
- Anomaly detection based on machine operation
- Active Recording of data and synthesis
- SRAM (safety reliability and maintainability as metrics)
- Live reporting of actual savings to CXO

