

PFE BOOK 2026

Rosenberger Tunisia



Rosenberger



Who we are ?



Internship benefits



Selection Process



Internships Projects



How to Apply ?

VISION 2027

Rosenberger

WE DELIVER VALUES.

Rosenberger

Rosenberger Group

Global Player with the Pragmatic Power of Innovation

Europe



- Germany
- Hungary
- Sweden



- Austria
- Denmark
- Germany
- Italy
- Spain
- Sweden
- United Kingdom

Asia Pacific



- China
- India



- China
- India
- Japan
- South Korea

Americas



- Brazil
- Chile
- Mexico
- USA



- Brazil
- Chile
- USA

Africa



- Tunisia



Production

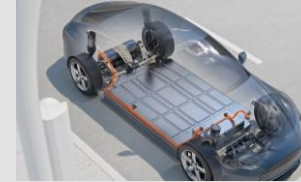
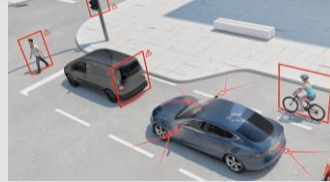


Location

Product Presentation - Business Areas

Automotive

E-Mobility, autonomous driving, digitization and electrification



Interconnect

Mobile communications, site infrastructure, medical/industrial electronic and data centers



Semicon & Test

Precision products for industrial testing and measurement technology, connectivity solutions for quantum technologies



Custom Machining

High vertical range of machining technologies for complex mechanical components

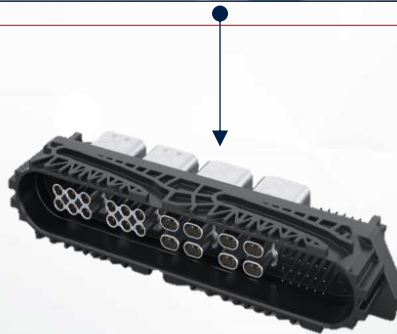
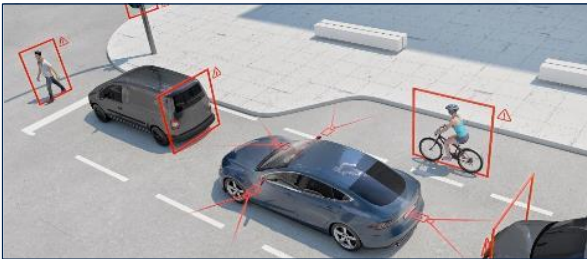


Our Products

Business Area Automotive

Assistance & Safety System

Surround View, 4k-Camera System



Sustainable Mobility

Hybrid- and Electric Drive, Optimized Engine



Connectivity & Infotainment

Control Unit, HD-Display, WiGig, Network Mainframe



Rosenberger Tunisia

Our Comapny

Company foundation

- Since August 2020

Rosenberger Tunisia: Key Facts

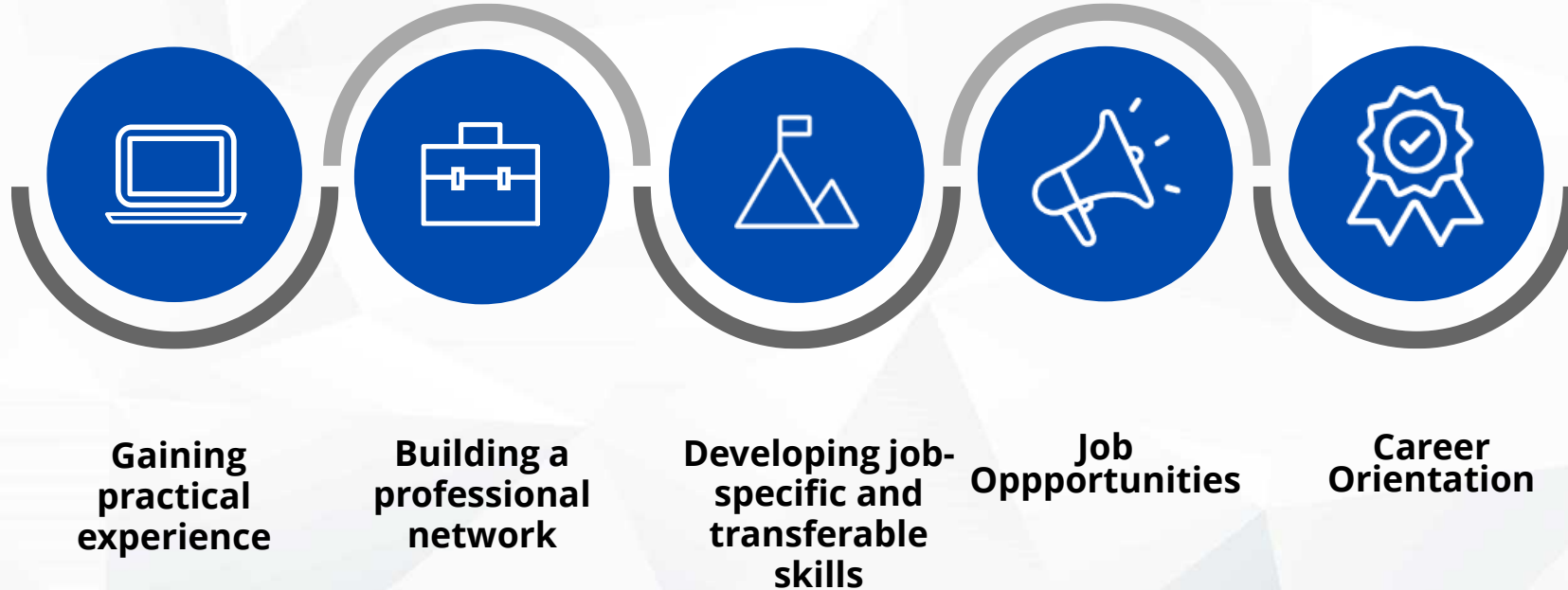
- Novation Industrial City in Enfidha is an Industrial City fully developed and totally urbanized

Building & Capacities

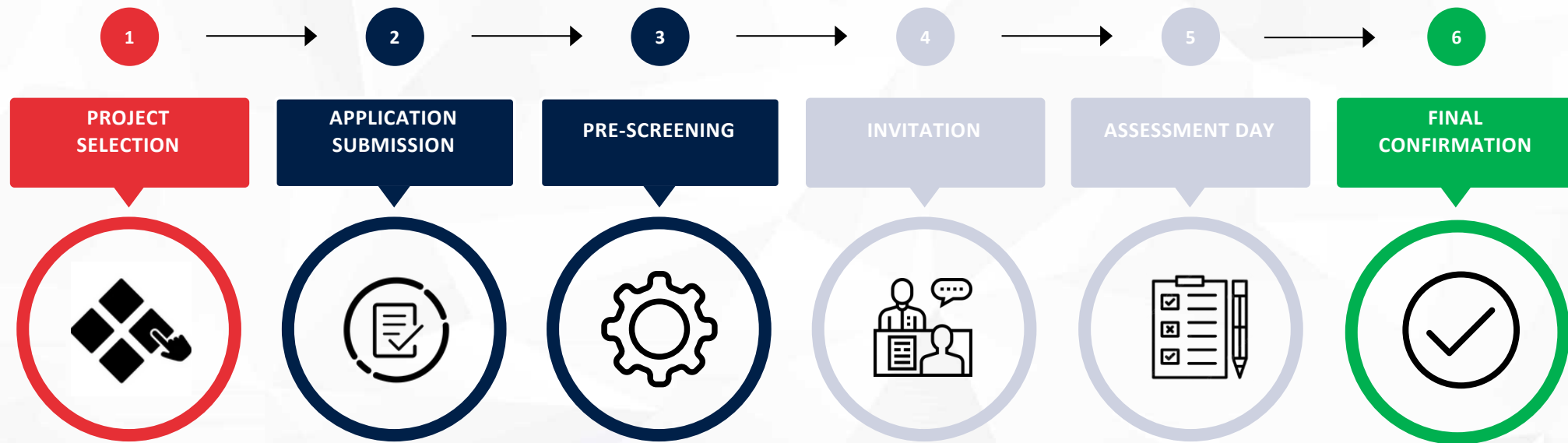
- Modern Building, ready for production since March 2022



Internship benefits



Our Selection Process



Our Internships Projects



Project Name:

Production Start Release System



ID Project: PROD1



Project Description :

The Production Start Release System is a comprehensive platform designed to supervise and control process releases across all production lines. It features a three-color signal system (Red, Blue, Green) managed via Arduino WiFi (or equivalent) controllers, integrated with a centralized web application. The system ensures smooth coordination between Production and Quality teams through predefined checklists and real-time validation of processes, enhancing efficiency, compliance, and operational transparency.



Needed Qualification :

Engineering Level : mechanical

Department

Production





Project Name:

HR Chatbot Development



ID Project: HR1



Project Description :

The project involves the development of an intelligent HR chatbot aimed at optimizing human resources operations. The chatbot delivers instant responses to employee inquiries, automates routine HR tasks, and supports processes such as onboarding, leave management, and policy guidance. By harnessing artificial intelligence and natural language processing, the system improves operational efficiency, reduces response times, and enhances the overall employee experience.



Needed Qualification :

Engineering or License Level : Computing, Information technology

Department

HR



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Project Name:

HR-Dashboard digitization



ID Project: HR2



Project Description :

This project digitizes HR operations through a centralized dashboard, providing real-time insights into attendance, performance, leave, and recruitment. By automating data collection and reporting, it enables faster, data-driven decisions, improves accuracy, and boosts HR efficiency.



Needed Qualification :

Engineering or License Level : Computing, Information technology

Department

HR



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Project Name:

Applicant Tracking System (ATS) Implementation



ID Project: HR3



Project Description :

This project implements an ATS to streamline recruitment by centralizing candidate data, automating application tracking, and improving communication. It accelerates hiring, reduces administrative workload, and enhances the overall candidate experience.



Needed Qualification :

Engineering or License Level : Computing, Information technology

Department

HR



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Project Name:

Digitalization of payment orders



ID Project: FICO1



Project Description :

This project digitizes the payment order process, automating creation, approval, and tracking. It reduces errors, speeds up processing, and provides real-time visibility, enhancing efficiency and transparency in financial operations.



Needed Qualification :

Engineering or License Level : Computing, Information technology

Department

Finance





Project Name:

Fixed Asset Inventory Application



ID Project: FICO2



Project Description :

This project digitizes fixed asset management, enabling real-time tracking, automated reporting, and accurate record-keeping. It reduces errors, improves efficiency, and enhances transparency in asset management.



Needed Qualification :

Engineering or License Level

Department

Finance





Project Name:

Automation and Monitoring of the Housing Assembly Line



ID Project: EN1



Project Description :

This project aims to design and implement an automated control and monitoring system for the housing assembly line. Its primary objective is to enhance process reliability and provide real-time supervision by integrating advanced automation technologies, including PLC programming, HMI interfaces, and data acquisition systems.



Needed Qualification :

Engineering or License Level : Electrical & Automation

Department

Engineering





Project Name:

Management and Monitoring of Toolshop Activities & KPIs



ID Project: EN2



Project Description :

This project aims to design and implement a digital dashboard using Microsoft Excel to manage and monitor the various activities of the Toolshop. The system includes key functions such as tracking machining operations, managing raw material inventory, monitoring tool consumption, and following up on work orders.



Needed Qualification :

Engineering Level

Department

Engineering





Project Name:

Improvement of Machine OEE in the Cabling Zone



ID Project: EN3



Project Description :

This project focuses on enhancing the Overall Equipment Effectiveness (OEE) of machines in the Cabling Zone. By leveraging data from production, maintenance, and quality records, it aims to identify the main sources of performance losses and implement targeted improvement actions to optimize machine efficiency and ensure operational reliability.



Needed Qualification :

Engineering Level

Department

Engineering





Project Name:

Smart IT Asset & Software Management System



ID Project: IT1



Project Description :

This project involves a web and mobile application integrated with RFID readers or BLE beacons to automatically track hardware assets, software licenses, and maintenance activities. The system interfaces with existing inventory and maintenance databases to provide real-time monitoring, automated alerts, and audit-ready reports, reducing equipment loss, improving asset utilization, ensuring IT compliance, and enhancing overall operational efficiency.

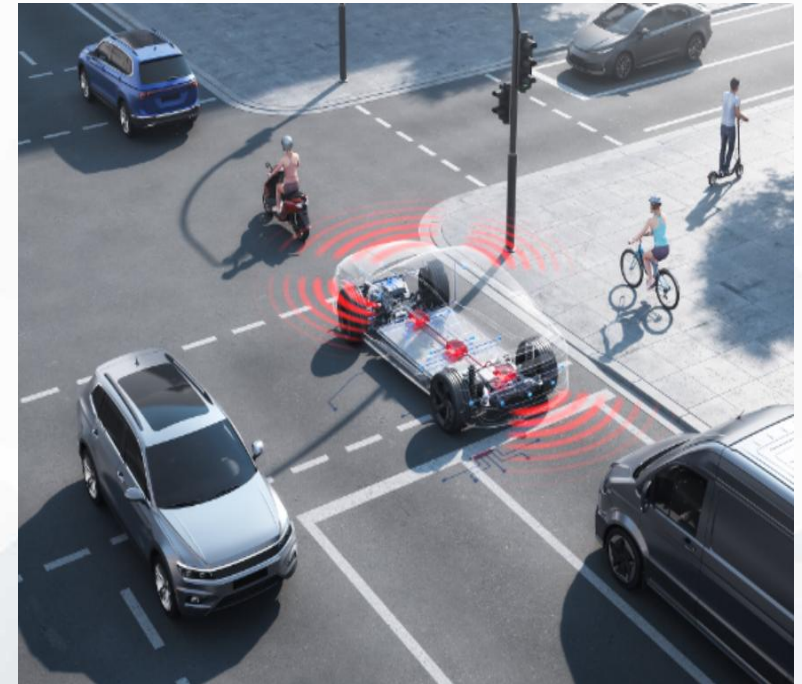


Needed Qualification :

Engineering Level

Department

IT





Project Name:

Development of a Lightweight SOAR Platform



ID Project: IT2



Project Description :

This project develops a SOAR platform that integrates cybersecurity tools like CrowdStrike, DSM, IPAM, and CheckMK to automate incident detection, asset identification, and response workflows. It provides real-time dashboards, accelerates incident response, and ensures compliance with ISO 27001 and ISO 22301 standards.

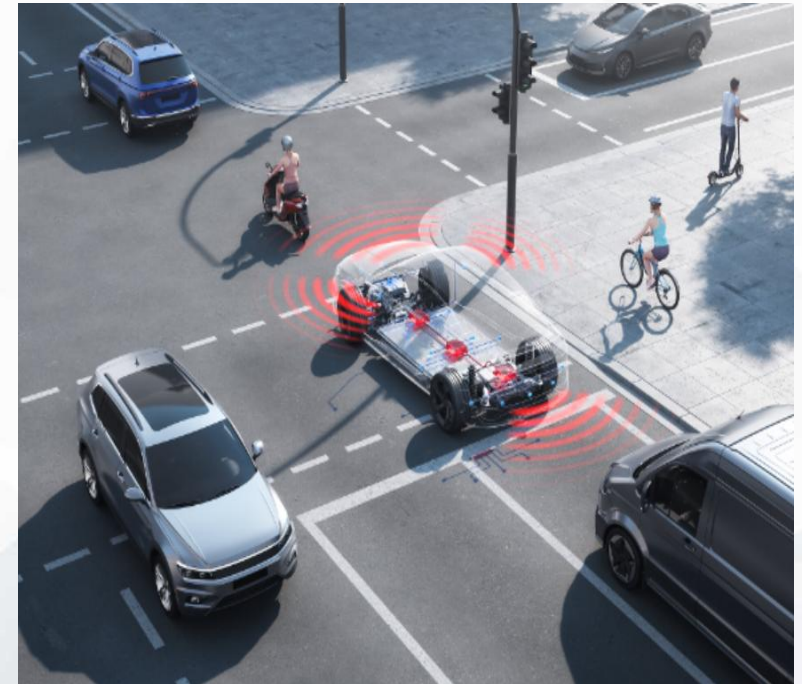


Needed Qualification :

Engineering Level

Department

IT





Project Name:

Automated Toner Management Platform



ID Project: IT3



Project Description :

This project implements a smart toner management system with IoT-enabled cabinets, real-time printer monitoring, and centralized stock control. It automates refills, tracks consumption, ensures traceability, and supports ISO 45001 and ISO 14001 compliance, improving efficiency and sustainability.

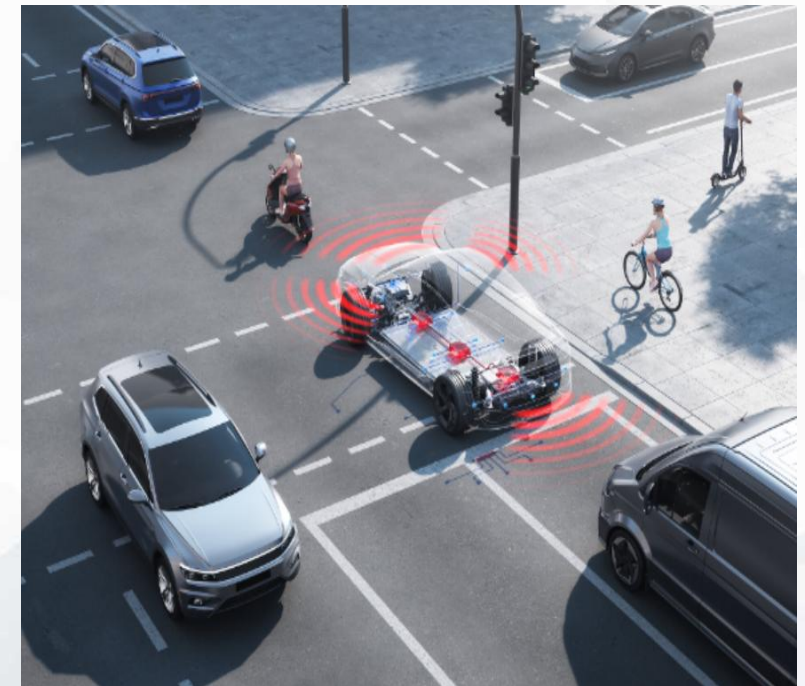


Needed Qualification :

Engineering Level

Department

IT





Project Name:

Hybrid USB Device Control and Audit Platform



ID Project: IT4



Project Description :

This project implements a hybrid USB control platform with autonomous kiosks and centralized supervision via Ivanti DSM. It enables multilayer USB analysis, AI-powered anomaly detection, full traceability, and automated reporting, ensuring efficient monitoring and compliance with TISAX AL2/AL3 and ISO 27001.

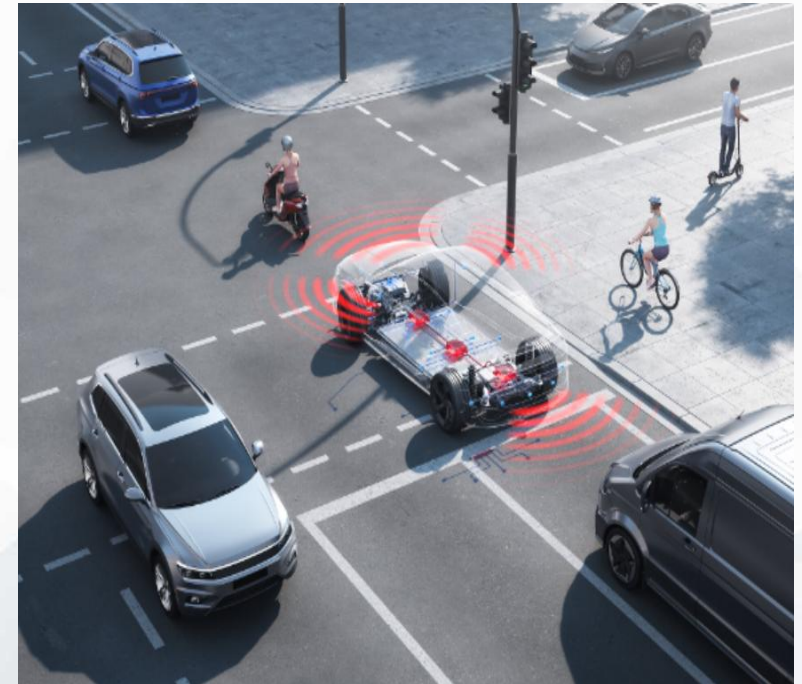


Needed Qualification :

Engineering Level

Department

IT





Project Name:

AI-Powered Safety Monitoring System



ID Project: IT5



Project Description :

This project develops an AI-based system to detect PPE compliance, fire/smoke, danger zones, unsafe ergonomics, and vehicle violations. It automatically sends alerts and records incidents for review, enhancing workplace safety and compliance.

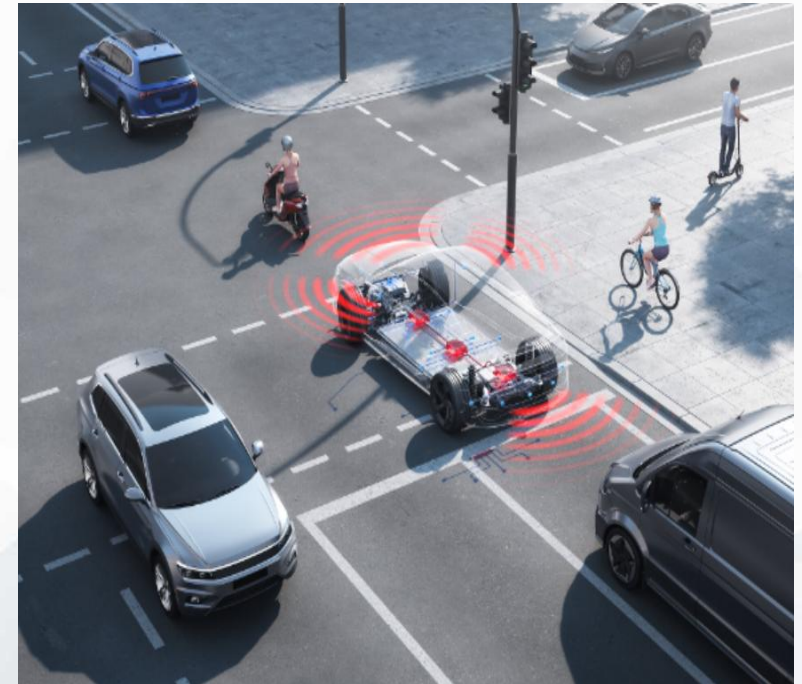


Needed Qualification :

Engineering Level

Department

IT





Project Name:

AI-Driven Material Recognition System for Automated Assembly Line Supply



ID Project: IT6



Project Description :

This project develops an AI-based system to identify raw material needs at each assembly workstation. By integrating mobile devices with a centralized AI platform, it ensures timely replenishment, optimizes workflow, and reduces stockouts.

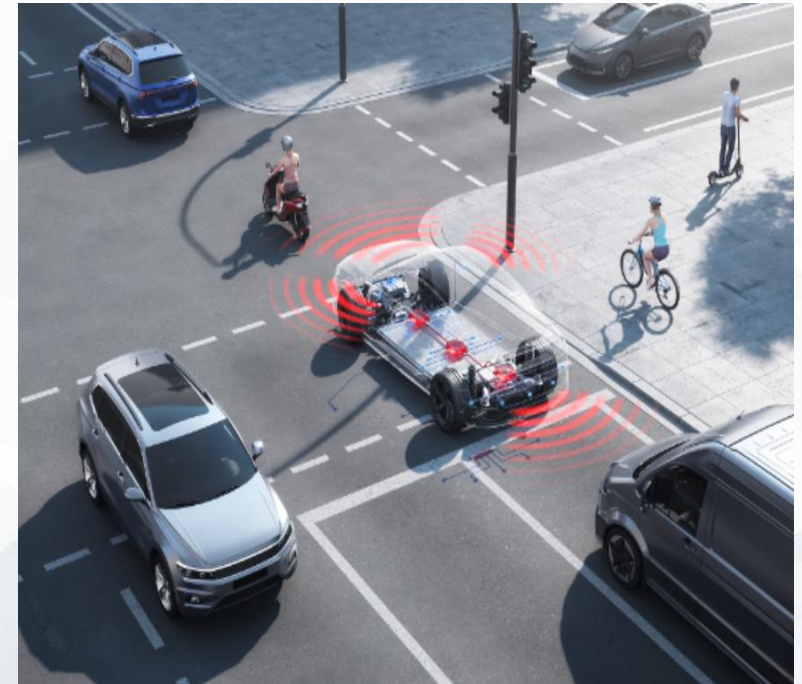


Needed Qualification :

Engineering Level

Department

IT





Project Name:

Interactive Maintenance Dashboard



ID Project: MT1



Project Description :

This project involves the design and development of an interactive maintenance dashboard for real-time monitoring of key performance indicators (KPIs). The dashboard centralizes maintenance data, facilitates analysis, and enables managers to make quick, informed decisions, improving overall service performance.



Needed Qualification :

Engineering or License Level

Department Maintenance





Project Name:

Total Productive Maintenance (TPM) Program Implementation



ID Project: MT2



Project Description :

This project focuses on implementing a Total Productive Maintenance (TPM) program to enhance equipment availability and reliability. It emphasizes operator-led autonomous maintenance, reduces recurring breakdowns, and optimizes Overall Equipment Effectiveness (OEE) through continuous improvement initiatives and regular monitoring of maintenance indicators.



Needed Qualification :

Engineering Level

Department

Maintenance





Project Name:

Machine Energy Monitoring and Carbon Footprint Assessment



ID Project: MT3



Project Description :

This project involves the implementation of a machine energy monitoring system to analyze and optimize energy consumption. It also includes a workshop carbon footprint assessment to identify major emission sources and recommend actions to reduce environmental impact.



Needed Qualification :

Engineering Level

Department

Maintenance



 **Project Name:**
Intelligent Defect Detection and Classification System

 **ID Project:** MT4

 **Project Description :**
This project focuses on the development of an AI-powered defect detection and classification system using machine vision. The solution aims to improve the accuracy and speed of quality control by automating the analysis of images captured by cameras on the production line.

 **Needed Qualification :**
Engineering Level

Department
Maintenance



How to apply ?



Link to submit your application



Scan barre code



Please add the project ID

Thank you

