

















### **Perfect**

# Vision

Leading Innovation to Build an Intelligent Future

مصنع الرؤية المثالية للصناعة PERFECT VISION FACTORY



# About the Company

Perfect Vision is a smart high-tech factory that develops and manufactures innovative products and solutions based on the latest technologies of the Fourth Industrial Revolution (4IR), such as IIoT, IoT, AI, robotics, machine learning, big data, analytics, integration, monitoring, customization, edge computing, and immersive technology.

**Vision** 

World Leader in Technological Transitions for a Sustainable Future.

Mission

Leverage the power of path-breaking technologies and deployment of operational excellence with stakeholder engagement to provide cutting-edge solutions, in order to transform lives, advance human progress and protect nature.

1



**VALUES** 

Client First Accountable Safety Collaboration

Agility Diversity Ethical

CASCADE



## Message from the CEO

### Engr. Saleh Awad

Perfect Vision is known for its products with world class standards in the safety solutions arena. Starting from basic customization to the most sophisticated Al-Powered Solutions, Perfect Vision's innovative solutions have played an essential role in solving partners' most complex challenges by deeply understanding and addressing their core issues and delivering the best solutions.

We have developed various products in the field of Occupational Health and Safety with first-rate standards to help decrease the odds of worksite accidents while enhancing sustainability. When it comes to accident prevention, precision is everything. Our products are powered by the leading-edge Al processor and advanced computer algorithms that detect unsafe working with unrivaled accuracy. Our solutions for the logistics and transportation industry are the most advanced in the market, with unmatched features that will boost our customers' efficiency and productivity.

Proudly, our comprehensive range of solutions, including Industrial Internet of Things (IIoT), Artificial Intelligence of Things (AIoT), and Internet of Things (IoT) are being progressively developed in-house under the supervision of Perfect Vision's talented engineers and researchers. By leveraging the power of AI and other latest cutting-edge technologies businesses can create a safer environment for their employees and protect their bottom line.

I welcome you to the world of safe workplace and to be a partner with us in ensuring international safety standards in the workplaces and in our daily life.





### **Solutions & Services**



Total Worksite Management Platform



IoT Worksite Monitoring & Asset Optimization



Smart Waste Management



ICT Manufacturing



Research & Development



Al Infrastructure Technology



IoT Consultation & Development



For more solutions, Scan the QR.

### **Products**



Proximity Warning & Alert System - PWAS



LMI - Load Moment Indicator



DMS - Driver Monitoring System



Air Quality Monitoring System



Smart IoT Helmet



Portable Gas Detector



Automatic Fire Suppression System for Heavy Vehicle

For Products Specifications & Datasheets, Please Scan the QR In the Product's Page

### J

# TOTAL WORKSITE MANAGEMENT PLATFORM





Operations & Logistics Management The **The Total Worksite Management Platform** is an all-in-one comprehensive solution for managing Health, Safety, Environment and Operations at your worksite; providing the tools and capabilities needed to monitor and ensure optimum productivity, efficiency and environmental compliance. With this platform, you can start managing your worksite smartly, utilizing the power of data, Al, and IoT.







Productivity Enhancement



Control Room NOC/SOC



Carbon Live
Calculation



Safety PPE Al Monitoring



Tracking Emissions Offsetting



Hazard & Risk Management



Loss Prevention



Unsafe Postures
Detection



Maintenance Schedules



Sustainability Module



Reporting δ Analysis





Fuel Monitoring



Workplace Wellbeing



Data Source Integration



Document Control



Chemical Management



Equipment δ Asset Monitoring



Trigger Reminders δ Notifications



Workflows & Customization Capabilities ?

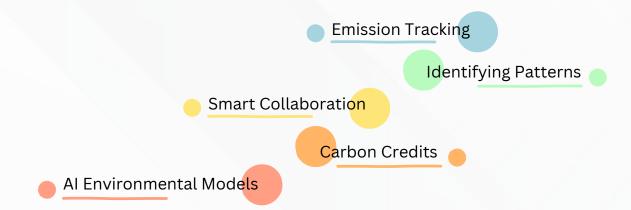


## Track, Calculate, and Verify Your Environmental Emissions

According to several studies and sources, the total carbon emission from heavy vehicles in Saudi Arabia (including heavy construction equipment and heavy truck) reach roughly about 40 million tonnes\*\* CO2 per year.

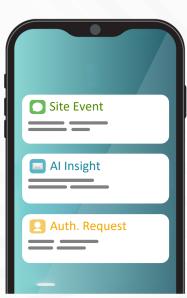


-> Report Dec 2021.



Supporting Sustainable
Development While Minimizing
Environmental Impact.





A flexible and scalable AI platform that can integrate seamlessly OPT LOGS with any equipment and data source; utilizing PV IoT platform to adapt to your specific operations and logistics needs.

### **Benefits of OptiLogs:**

- Transform Equipment Data into insightful reports and dashboards.
- CAN Data to monitor the performance and the status of your vehicle, like fuel consumption, temperature, etc.
- Apply Predictive Analytics for effective resource allocation and risk mitigation.
- Automate and Control various worksites operations, safety and security measures.
- Telematics Data for real time visibility and optimization of fleet operations.
- Monitor Driver Behavior to detect unsafe actions, provide feedback and enhance efficiency.
- Track Environmental Impact to reduce emissions and carbon footprint.





### Fleet CAPEX and OPEX Management

### Unlock Your Fleet True Potential

By leveraging the Financial Analytics features in the platform, you will gain real-time visibility of data from your fleet of heavy equipment and other assets, plus access to advanced analytics and insights tools to optimize your costs and profitability.



Connect Your Data



Analyze Your ROI



Optimize Your Decisions

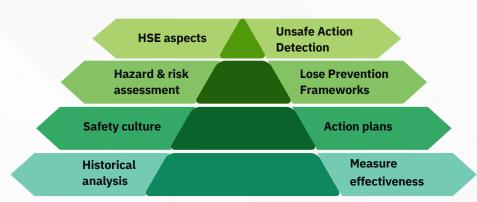
Track and compare the performance and ROI of your assets, simulate different scenarios, and make data-driven decisions.



### **The Fleet Financial Platform Offers:**

- A comprehensive suite of financial features to manage your costs and profitability.
- Integration with your existing infrastructure systems for data consistency and accuracy.
- Rich and customizable set of reports and dashboards to uncover financial insights.
- Utilization of the AI engine capabilities to enhance your decision making.

### **Health & Safety Management**





### **Solution Applications**



### **Benefits of HSE Management Platform**

Streamline and centralize
Better-equipped team
Track performance
Analytical reports
Safe-guard
Compare performance



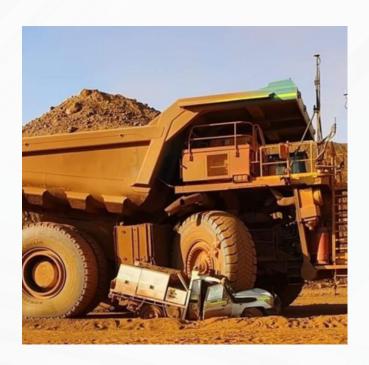
7 Enhance compliance





- Al Camera PWAS
- People & Objects Detection
- No Down Time
- Customizable Range
- Multi-Language Alarm

### Why PWAS?





### Norkplace injury

142

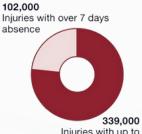
Workers killed at work in 2020/21

441,000

Workers sustaining a non-fatal injury according to self-reports from the Labour Force Survey in 2020/21

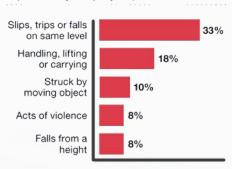
Employee non-fatal injuries reported by employers under RIDDOR in 2020/21

Estimated self-reported non-fatal injuries, 2020/21



Injuries with up to 7 days absence

Non-fatal injuries to employees by most common accident kinds (as reported by employers), 2020/21



Estimated self-reported workplace non-fatal injury per 100,000 workers

\*\* Report source: Non-fatal injuries reported under RIDDOR 2020/21

### **System Explained:**

**B-Safe (PWAS)** Proximity Warning and Alert Systems are designed to create a safe detection zone around people and vehicles to prevent accidents and promote worksite safety. By utilizing advanced sensor technology, B-Safe systems can detect the proximity of individuals and vehicles; and issue an alarm to warn operators of any potential hazards.

**B-Safe comes in several types of systems** to suit different worksite requirements. These include AI PWAS, Tag-Based PWAS, Non-Tag-Based PWAS, Forklift PWAS, and Combo PWAS. **AI PWAS** is considered the most advanced solution, as it utilizes artificial intelligence (AI camera) to enhance the safety of your worksite. AI PWAS can accurately detect and recognize when workers cross the detection safety zone using advanced computer vision algorithms to alert the workers and the operators of any collision risks visual audible and visual alarm.











### **Types of PWAS**

Tag Based PWAS



AI PWAS



COMBO PWAS (Tag & Non Tag Based PWAS)







Non Tag Based -PWAS







Forklift Solutions PWAS



### **ABOUT THE** SOLUTION

Driver Monitoring System (DMS) is an intelligent system designed to enhance safety and improve the efficiency of a company's vehicle fleet. By utilizing advanced monitoring and analysis capabilities, DMS helps to optimize functionality, productivity and costs associated with operations and maintenance.



### **Benefits of DMS:**

- GPS Real-Time Combined with Insights
- Enhancing the Safety of the Driver, Vehicle and Pedestrian
- Customized Reports to Improve Efficiency and Reduce Cost
- Better Fuel Consumption
- Improving Vehicle Maintenance
- Optimized and Effective Route Planning

### **AI Behavior Monitoring**

AI based camera to monitor various human behaviors, to ensure driver safety.

The camera will detect the signs of fatigue, smoking, and mobile device usage, and the system will alert the driver about potential violations.







Fatigue/Yawn



Look-Aside



Calling



15

### Advanced Driver Assistance System (ADAS)

By leveraging the capabilities of the ADAS technology, the driver will have access to a wide range of advanced safety features, including:

- Lane Departure Warning (LDW)
- Forward Collision Warning (FCW)
- Pedestrian Detection Warning
- Overspeed Warning







### ABOUT THE SOLUTION

The Digital MEMS Inclinometer System, matching ASME-B30.14-2015 & ARAMCO STANDARD, has been developed by Perfect Vision for crane's sideboom safety, especially used for real-time monitoring, preventing the crane from operating under dangerous conditions. This solution can effectively improve the safety of lifting equipment, including sideboom, boom truck, etc.

### **LMI Load Sensor**

Load Sensor has the capability of detecting the angle and weight of the load lifted. Specifically, this sensor is critical when hook height cannot be compromised.



### **LMI Control Module & Display Monitor**

This is the main display, cable/wireless receiver and control module for the PV LMI System. Sensor transmissions are received through this panel and are clearly displayed for the operator. The display panel supports all software logic and menu interface are loaded and is typically mounted in the operator's field.



- Separate "o-ring sealed" battery compartment with captive screws.
- Potted electronics and boot-sealed piston assembly for increased waterproofing.
- A2B Switch bracket design allows for easy addition and removal of A2B Switch from boom tip.



### Types of LMI

Our LMI Solutions are customizable as per the client's needs and provide configurations for various lifting equipment.









### **ABOUT THE SOLUTION**

At the worksite, helmet is the most important PPE. The **Smart IoT Helmet** takes safety to the next level with advanced technology and real-time data on surroundings, providing an all-round protection.



**Real-Time Monitoring** 



**Emergency Alert** 



**Live Feed** 



Fall Down Alarm



IP67 Waterproof δ Dustproof





Anti-Collision Warning & Alerting



Heart Rate
Detection



Hat Off Alarm



**Cloud Connectivity** 



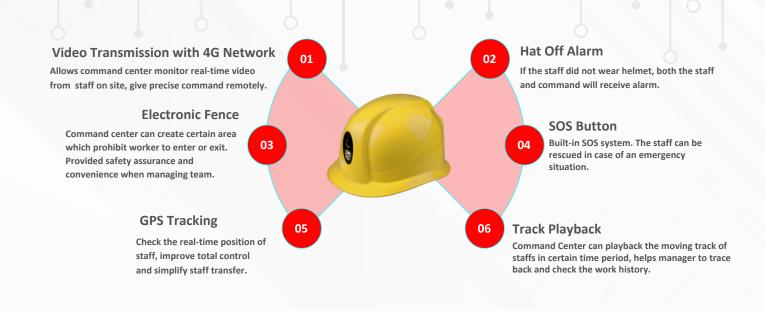
Indicator Flashlight



Temperature Detection



No Response Alarm





### **Applications**





### ABOUT THE SOLUTION



The **Portable Gas Detector** will reliably detect several types of gases including LEL, O2, H2S,  $\delta$  CO. The gas sensor can be flexibly selected according to the field requirements. Based on our advanced sensor technology and IP66, the compact design will redefine safety in the most harsh environments.

### **FEATURES**



Multiple Gas
Types



H2S, CO, O2, LEL



Fast Response



Sound, Light, Vibration



PC, ABS, Rubber Protection



Type-C USB Rechargeable Battery



**Confined Space Usage** 



Dustproof δ Waterproof



**Continuous Detection** 



### **ABOUT THE** SOLUTION



The Heavy Vehicle Fire Suppression System is most commonly used for automatic fire detection and extinguish in heavy duty vehicles, industrial equipment, mining, vehicles like truck, tractor, bus, on-road equipment and off-road equipment. Because, they are non-conductive, and can be utilized not only to quell fires in ordinary combustible materials, but also on flammable liquid fires that involve live electrical equipment.

















Auto Cooling



Fast **Detection** 



Harsh **Environment** 



Real-Time **Temperature** 







130-170 Customized **Detection** 



Manual Activation

## AIR QUALITY MONITORING SYSTEM

PAVING THE WAY TOWARDS NET ZERO

### ABOUT THE SOLUTION



The **Air Quality Monitoring System (AQMS)** can measure outdoor air pollutants in real-time, measuring data quickly and accurately. AQMS can be customized for different demands and applications.





All-in-One Solution



03, NO2, SO2



Carbon Monoxide



Humidity Measurement



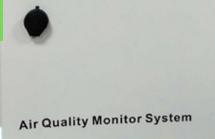
Particulate Matter



Temperature Measurement









Noise Monitoring



Wind Direction



Barometric Pressure



Alarm Function



**Wind Speed** 



Remote Parameter Adjustment

### **Applications of AQMS**

Oil & Gas, Construction, Smart Cities, Mining & Quarrying, Cement Plants, Recycling Plants, Environmental Compliance Monitoring, Factories & Industrial Fenceline, etc.



## Why Choose Perfect Vision Products?

### A. Our products are meeting international environmental standards.

We choose high quality raw materials and components in our products, and use world-class manufacturing processes to ensure that our products meet international environmental standards. Our products can withstand the most extreme and harsh environments, thanks to our extensive testing during the development and manufacturing stages in the real workplace settings. We have overcome many challenges to offer the best safety solutions to our clients.

### B. We provide excellent services including after sales services with 24/7 Customer Support.

We do not just sell products, we build partnerships. We care about our customers and their satisfaction. That is why we offer after-sale services with 24/7 customer support. Our unparalleled commitment to support our partners is what sets us apart. We are committed to providing excellent services to our customers. Our customer support team is dedicated to resolve any issues pertaining to our products and services, exceeding the expectations of our customers towards customer delight.

### C. All features are customizable as required.

Our solutions are the result of our in-house innovation and expertise. Our high-tech labs are manned by highly educated and talented engineers, and researchers who have the know-how to create cutting-edge products and solutions. Whether you need simple system adjustments, additional features, or integration with other solutions, our R&D department will support you to fulfil your requirements.

### D. We offer competitive prices.

We believe that quality and price can go hand in hand. Customers often assume that high price means high quality, but that is not always true. Our innovative approach allows us to deliver exceptional quality products with top-notch customer services at very competitive prices.

### E. We provide technical training.

We very well know that training is essential to prevent accidents in the worksites. According to HSE studies, about 32% of the accidents are caused by lack of adequate training. This is the reason why we provide appropriate technical training regarding safety solutions to our customers. We ensure that our customers understand and use our safety solutions effectively and safely.

### Certificates



#### Registration Approval Letter

re pleased to inform you that PERFECT VISION FACTORY is now registered in the Saudi Aramco plier Management System under Vendor Code No. 10064254, provided your company continues i slevant Saudi Arabian and Saudi Aramco standards.

all relevant Saudi Anabas and Saudi Aramos tandards.

This registration, Noverse, should not be conserved as a commitment by Saudi Anamos to procure from you. Being registred as a supplier only grant sour company the opportunity, along with other registred possible and content of the registred of source, to respond to requests for solumining proposals an accordance with Saudi Anamos established be policies and procedures. All procurement instruments including but not limited to service contexts, porchase of the process of the process of the solution of the process of th

Dawoud Suliman Al Nuwais, Supervisor Supplier Registration&Qualification Unit Supplier Registration&Qualification Unit

the following:

1. Change of Name / Commercial Registration Number / Address / Owner(s)

2. Any change of the supplier location

3. Discontinue supply of approved commodities (9COMs and 9CATS)

This is an electronically generated letter by Saudi Aramco. To verify Supplier approval status, please o Supplier Help Desk at supplierhelpdesk@aramco.com



### Certificate of Registration

(Environmental Management System)

QFS MANAGEMENT SYSTEMS LLP

This is to Certify that the Environmental Manager

#### PERFECT VISION FACTORY

AL JUBAIL - 10335, SAUDI ARABIA

### is in accordance with the requirement of the Environmental Management System Standard detailed below ISO 14001:2015

This certificate is valid for the following product or service range DESIGN, MANUFACTURING, SALE, INSTALLATION AND MAINTEANNE OF FICE, LILCTRONICS
DEVICES, APPLICATION SYSTEM INTEGRATION WITH IT EXABLING DEVICES, SECURITY
SYSTEMS, AND MILITARY TELECOMMUNICATION DEVICES, ACCESSORIES, AND CONTROL
SYSTEM, CCTV DEVICES AND FLEET MANAGEMENT SYSTEM DEVICES.

Certificate Number: INT/2212PI/3533

Initial Date of Certification: 09.12.2022 Date of Certificate: 09.12.2022 Date of Expiry: 08.12.2023







Accredited by International Accreditation Service, Inc



### Certificate of Registration

QFS MANAGEMENT SYSTEMS LLP

This is to Certify that the Information Security Management System of

#### PERFECT VISION FACTORY

ALJUBAIL - 10335, SAUDI ARABIA

Has been found to be of the Information Security Management System Standard

#### ISO/IEC 27001:2013

This certificate is valid for the following product or service range BISIGN, MANTRACTURING, SIJE, INSTALLATION & MAINTEANCE OF PCE, ELECTRONIS, DEVICES, IT BRAHLEN DEVICES, PHELOTION, SYSTEM INTEGRATION, CLES CURITY SYSTEMS, INFRASTRICTURE, SOFTWARE ANALISIS AND DEVELOPMENT, MILITARY TELECOMMINICATION DEVICES, ACCESSORIS, CONTROL SYSTEM, CCTV DEVICES, FLEET MANAGEMENT SYSTEM & 10T DEVICES, PUYSON, LEESTONS (8) BATTER 118.222

Certificate Number: INT/2206PI/2736 Date of Certificate: 22.86.2022

Surv. Audit on or Before: 21,05,2023









Date of Expiry: 21.06.2023

## iktva (E





هيئة المحتوى المحلي والمشتريات الحكومية Local Content & Government Procurement Authority





### Certificate of Registration

(Occupational Health & Safety Management System)

### QFS MANAGEMENT SYSTEMS LLP

This is to Certify that the Occupational Health & Safety Management System of

#### PERFECT VISION FACTORY

AL JUBAIL - 10335, SAUDI ARABIA is in accordance with the requirement of the Management System Standard detailed below

### ISO 45001:2018

RETAIN CONTINUES AND LET MANUFACTURING. SALE, INSTALLATION AND MANTENANCE OF R'ELELECTRONICS
DEVICES, IT EXABLING DEVICES, APPLICATION, SYSTEM INTEGRATION, ICT, SECURITY
SYSTEM, AND PRASTRICTURE, SOFTWARE ANALYSES, AND DEVELOPMENT, MILITARY
THEICOMMUNICATION DRIVES, ACCESSORIES, AND CONTROLS SYSTEM, CCTV
DEVICES AND FLEET MANAGEMENT SYSTEM, AND TO BENCES.

CERTIFICATE Number: INT/2266/P1/2735

Surv. Audit on or Belove: 21.85.2023

Re-certification Due on: 21.06.2025

Initial Date of Certification: 22.06.2022 Date of Certificate: 22.06.2022







### Certificate of Registration

(Quality Management System)

### QFS MANAGEMENT SYSTEMS LLP

This is to Certify that the Quality Management System of

### PERFECT VISION FACTORY

AL JUBAIL - 10335, SAUDI ARABIA

Has been found to be of the Quality Management System Standard

#### ISO 9001:2015

This certificate is valid for the following product or service range design, many actually, sale, installation and many examples of PCP, electronics devices, it exabling devices, application, sistem integration, ict, secreti systems, and persagnetices, software analysis, and development, military telecommunication devices, accessories, and conclusivities, cctv devices and plear management system of the production. Surv. Audit on or Before: 21.05.2023

Certificate Number: INT/2206PI/2733 Initial Date of Certification: 22.06.2022

Date of Certificate: 22.06.2022 Date of Expiry: 21.06.2023







Date: 22.06.2022

### **Clients & Vendors**























# Perfect

Leading Innovation to Build an Intellingent Future

### **Contact Us**



+966 59 888 1117 +966 13 893 3338



Info@perfectvisionksa.com



Corporate Office Address: Perfect Vision, No. 4292, 4th Floor, Novotel Business Park, King Fahad Road, Al Khalidiyah Ash Shamaliyah Dist., Dammam 32232, Eastern Province, Kingdom of Saudi Arabia



Factory Address:

No.7300, 39 street, 2nd Industrial Area, Dammam, Kingdom of Saudi Arabia



www.perfectvisionksa.com