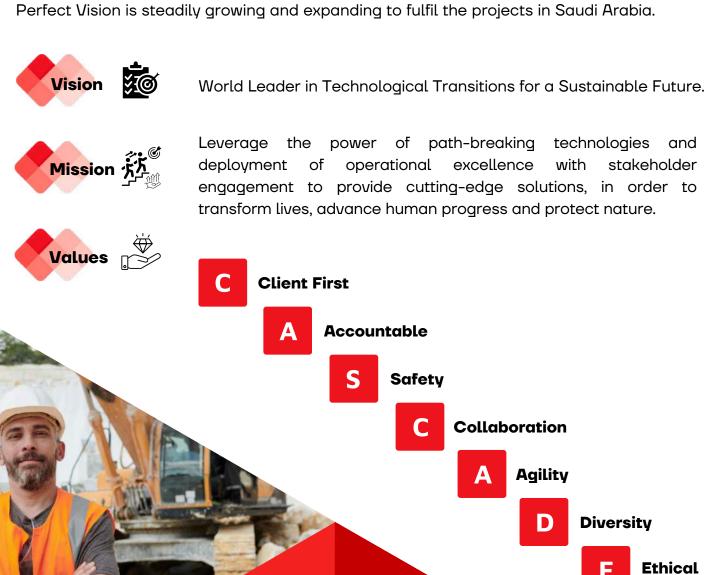


## **About Perfect Vision**

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. Perfect Vision is steadily growing and expanding to fulfil the projects in Saudi Arabia.



## **Message from the CEO and Managing Director**



Dear Stakeholders,

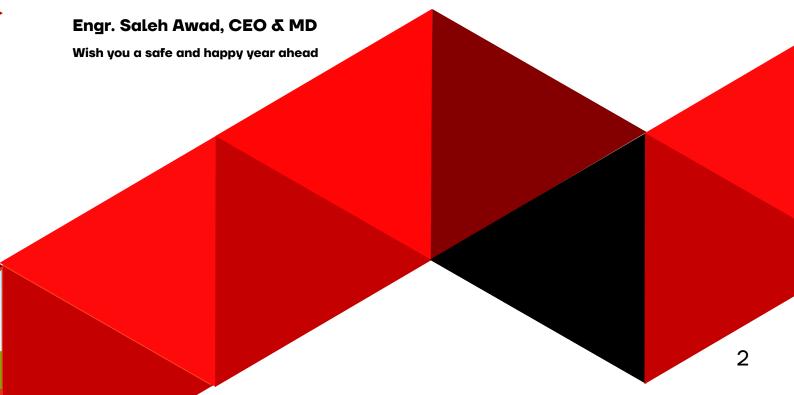
Greetings from Perfect vision.

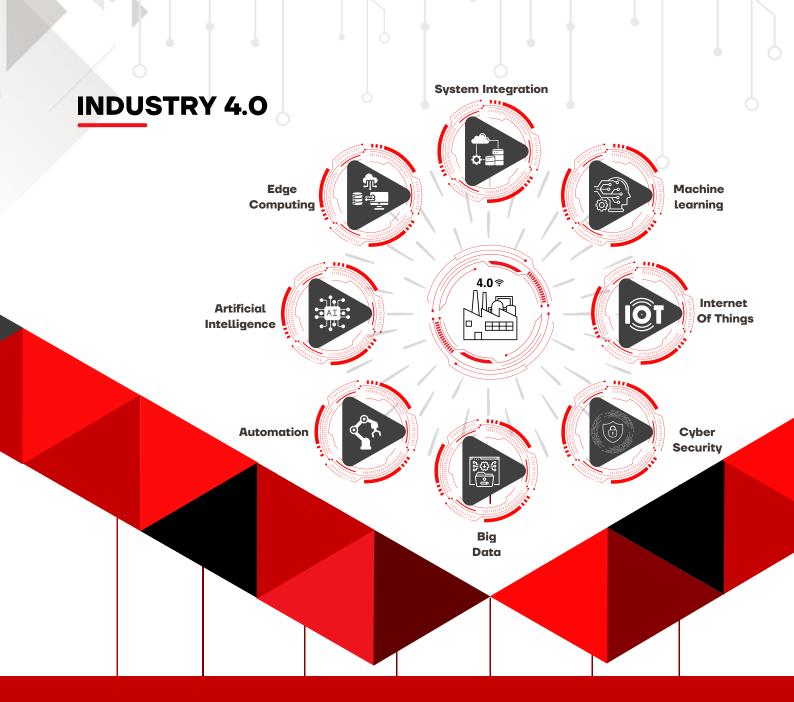
Perfect Vision is known for its products with world class standards in the safety solutions arena. Starting from basic customization to the most sophisticated AI-Powered Solutions, Perfect Vision's innovative solutions have played an essential role in solving partners' most complex challenges by deeply 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/IoT processor and advanced computer algorithms that detect unsafe working with unrivaled accuracy. Our solutions for the construction technology, logistics and transportation industry are the most advanced in the market, with unmatched features that will boost our customers' efficiency and productivity.

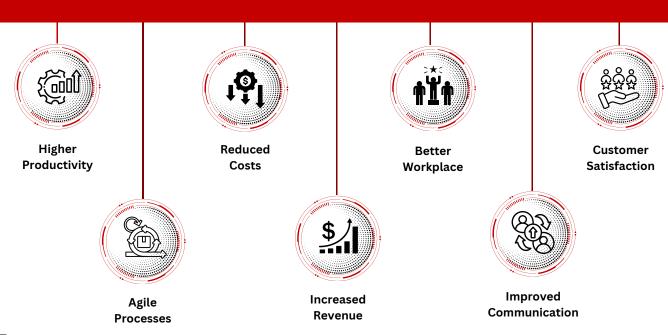
Proudly, our comprehensive range of solutions, including Industrial Internet of Things (IIoT), Artificial Intelligence of Things (AIoT), and Internet of Things (IoT) are being progressively developed in-house under the supervision of Perfect Vision's talented engineers and researchers. By leveraging 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.



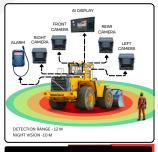


## **Leading The Fourth Industrial Revolution in KSA**



### **OUR PRODUCTS**

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







LOAD MOMENT INDICATOR (LMI)



DRIVER MONITORING SYSTEM (DMS)



AIR QUALITY MONITORING SYSTEM (AQMS)



SMART IOT HELMET



PORTABLE GAS DETECTOR



AUTOMATIC FIRE SUPPRESSION SYSTEM

### **SOLUTIONS AND ADVANCED INTEGRATIONS**





















The (4S) is a groundbreaking site safety solution designed to revolutionize worker protection and prevent accidents. It leverages cutting-edge technology of Al  $\delta$  IoT to create a comprehensive safety ecosystem, safeguarding lives and promoting a culture of proactive risk management.

## **Boosting Worksite Safety with 4S:**

- **Tech-Powered Protection:** The 4S deploys cutting-edge technologies like AI cameras, wearables, and real-time monitoring to proactively mitigate risks, keeping workers safe.
- Smart Sensors Everywhere: The 4S deploys a network of intelligent sensors across the entire site, keeping a watchful eye on potential hazards including falling objects, hazardous materials, unsafe working conditions, etc.
- **Connected Worker Protection:** Wearables and smart devices track worker location and health metrics, ensuring their well-being and enabling rapid response in emergencies.
- **Proactive Risk Management:** No more reactive measures. The 4S identifies and predicts potential hazards before they become accidents, preventing injuries and saving lives.



#### **Examples of Al/IoT Detection**



Unsafe Postures Detection



Danger Zone Alert



Missing PPE Detection



Emission Monitoring

# 4S: Reimagines Construction Safety With INDUSTRY 4.0 Powered Technology









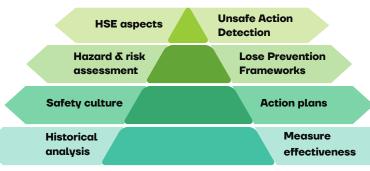


### Health, Safety, Environment and Productivity









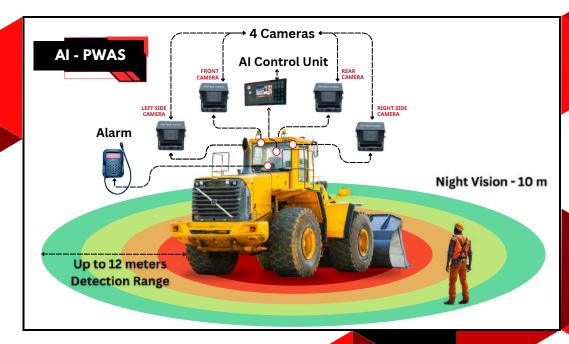




The PWAS employs a cutting-edge technology for worksite safety, utilizing AI algorithms to prevent accidents and enhance worksite safety. Leveraging vehicle to individual (persons) and vehicle to vehicle proximity warnings, our system ensures a safer environment by analyzing data and issuing timely alerts.

### **Key Features**

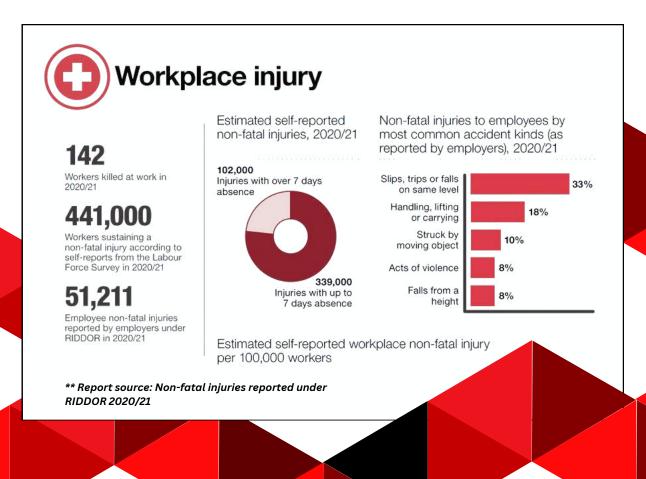




## **WHY PWAS?**







#### **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 accurately detect the proximity of individuals and vehicles; and issue an alarm to warn operators of any potential hazards.

B-Safe offers several types of systems to suit different worksite requirements. These include AI-Based Monitor PWAS, Tag-Based PWAS, Non-Tag-Based PWAS, Forklift PWAS, and Combo PWAS. Combo PWAS is an integrated advanced solution, as it combines both Tag-Based and Non-Tag-Based PWAS technologies into a single system, which offers a high level of flexibility and adaptability to various worksites and client projects' requirements. AI PWAS is the most advanced solution with cutting edge AI Monitor technology that provides wide range of capabilities and extended features.



REMOTE

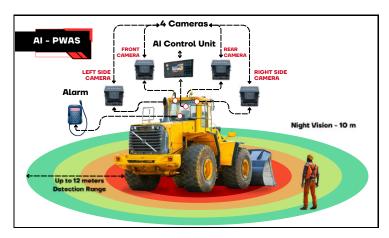
- AI, Tag, Non-Tag, Combo
- AI/IOT Infrastructure
   Technology
- No Down Time
- Customizable Range
- HSE Report & Tracking





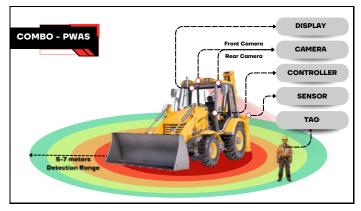


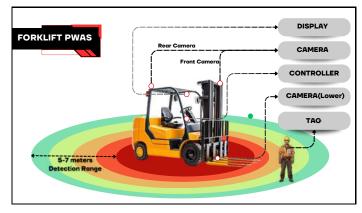
## **TYPES OF PWAS:**





Please Scan this QR for Products Specifications & Datasheets about AI - PWAS



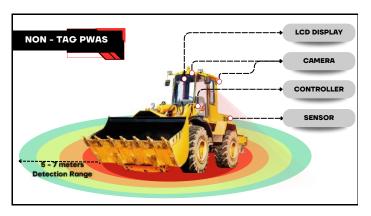


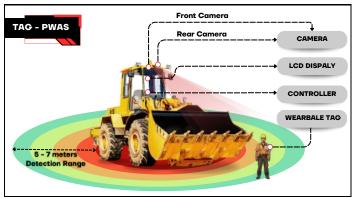


Please Scan this QR for Products Specifications & Datasheets about combo - PWAS



Please Scan this QR for Products Specifications & Datasheets Forklift PWAS











**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.



#### ADVANCED DEIVER ASSISTANCE SYSTEM

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





#### AI BEHAVIOR MONITORING

Al 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.

#### **Features of DMS**





**Loop Recording** 







**Capabilities 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





The **Load Moment Indicator**, matching ASME-B30.14-2015  $\delta$  ARAMCO STANDARD, has been developed by Perfect Vision for various type of crane 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 side-boom, boom truck, etc.

#### **VARIOUS COMPNENTS OF LMI**













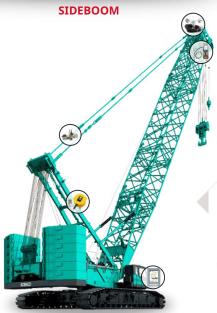




**BOOM TRUCK** 







	THE PARTY OF THE P	Total State of the last of the	ALC: U	4500	
RAN	CRAWLER CR				
				100	

	TYPE OF VEHICLES							
COMPONENTS	ARTICULATED CRANE	CRAWLER CRANE	BOOM TRUCK	MOBILE CRANE (Telescopic)	FORKLIFT	EXCAVATOR	SIDE BOOM TRUCK	
DISPLAY SCREEN	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	
LOAD CELL	OPTIONAL	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	✓	
A2B SWITCH	✓	<b>√</b>	<b>√</b>	<b>√</b>	NA	<b>√</b>	✓	
LENGTH SENSOR	✓	<b>√</b>	<b>√</b>	<b>√</b>	NA	NA	NA	
ANGLE SENSOR	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>✓</b>	<b>√</b>	<b>√</b>	
PRESSURE SENSOR	<b>√</b>	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	<b>√</b>	NA	
CONTROL UNIT	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>√</b>	<b>✓</b>	NA	
ANEMOMETER	NA	<b>✓</b>	NA	OPTIONAL	NA	OPTIONAL	NA	
TILT ANGLE SENSOR	NA	NA	NA	NA	<b>√</b>	NA	NA	



At the worksite, helmet is the most important PPE. The digital **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** 



Heart Rate Detection



Helmet off Alarm



**Cloud Connectivity** 



**Live Feed** 



Fall Down Alarm



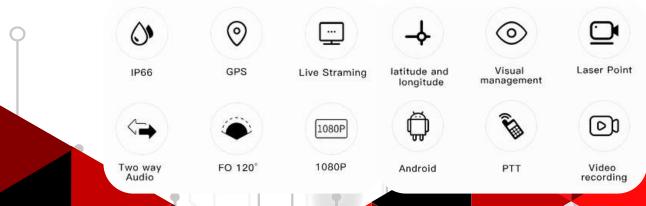
Temperature Detection



No Response Alarm



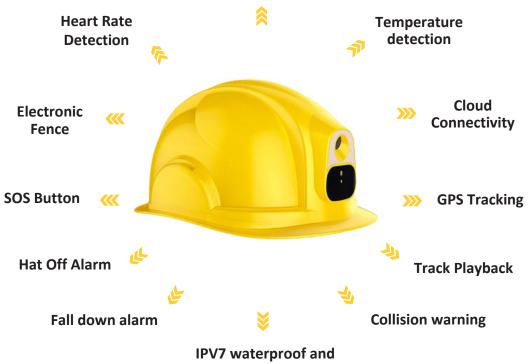
IP67 Waterproof & Dustproof



## **FEATURES OF AI HELMET**







## dust proof

### **APPLICATIONS**







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**



Detects Multiple Gases



H2S, CO, O2



Confined Space Usage



Dustproof & Waterproof



Type-C USB Rechargeable



Sound, Light, Vibration



PC+ABS+ Rubber Protection



Fast Response



Continuous Detection



Portable and light weight

### **APPLICATIONS**



Mining



Steel



Oil and Gas



Power Station



**Bio-Gas** 





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.











Dry Powder, Foam



ECE R107 & CE Certified



Auto Cooling



Fast Detection



Harsh Environment



Real-Time Temperature





Refillable



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



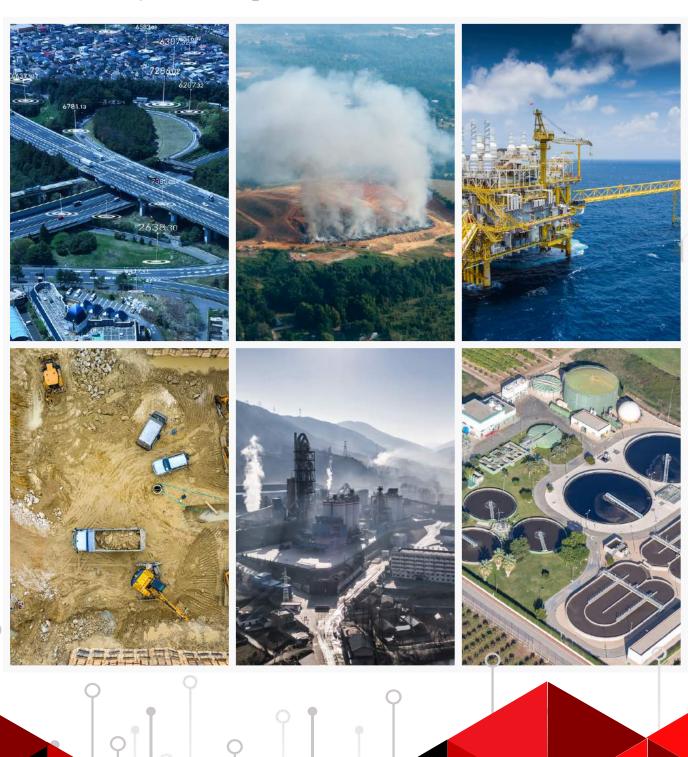
**Wind Speed** 



Remote
Parameter
Adjustment

## APPLICATIONS OF AOMS

Oil  $\delta$  Gas, Construction, Smart Cities, Mining  $\delta$  Quarrying, Cement Plants, Recycling Plants, Environmental Compliance Monitoring, Factories  $\delta$  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  $R\delta D$  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**













هيئة المحتوى المحلي والمشتريات الحكومية Local Content & Government Procurement Authority





Accredited by Standards Council of Canada



### **Clients & Vendors**





















# Perfect Vision

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