

# SOL-X

BY MAGELLANX 

## Connected Safety from Your Wrist

One of the world's first explosion proof smartwatches, custom designed for safety operations and managing worker wellbeing in hazardous work zones

### SOL-X SmartWatch



Zone 1 ATEX Certified

Android OS



## A New Era Of Worker Safety

Workers face multiple risks to their health and wellbeing, which can affect both safety and performance, as well as damage individual lives and livelihoods.

Through the SOL-X platform, the SOL-X ATEX Certified SmartWatch transforms safety

operations by extending safety intelligence to the edge. The SOL-X SmartWatch enables connected wellbeing programmes, provides near real time visibility to front line worker operations and enhances worker situational awareness on site.

## Enhanced Control Of Work with Behavioural Based Safety



Operational compliance previously relied on manual observations and human interventions. Through the SmartWatch, this approach becomes digitalised and automated in near real time.

It enables visibility of worker movements, which is important during hazardous tasks and in high-risk zones such as enclosed spaces. When linked with the

SmartWatch, the validity of safety forms can also be checked to ensure inspections and procedures are being followed on site.

Restricted work zones can also be enforced via the SmartWatch with workers receiving contextual warnings in near real time\* when they approach these areas.

\*Subject to worksite connectivity

# SmartWatch Features Overview



## Crew Assist

When workers need assistance, they can access a **Crew Assist** function that helps to contact their supervisor and immediately provide location and task details, speeding up rescue times.



## Exposure Monitoring

The SOL-X SmartWatch measures ambient temperature and humidity of the individual's surrounding area and assesses potential **heat stress** related risks.



## Wellbeing Monitoring

With the SmartWatch, workers are empowered to take ownership of their broader health and activity levels. **Resting Heart Rate (RHR)** and **Active Heart Rate** are actively monitored and displayed for the workers on their watch. There is also an activity tracker feature to track daily steps goal.



## Workload Management

By managing working hours and workloads more effectively, the risk of fatigue amongst workers declines. This feature allows workers to conveniently record and track their **Work Rest** hours via their SmartWatch.



Intrinsically Safe SmartWatch for ATEX Zone 1



Long battery life



Waterproof and IP67 rating



Wide range of health vitals and environmental sensors



Industrial grade 1.78" touch screen



Wi-Fi connectivity



**Situational Awareness**  
GeoFencing & Contextual Notifications for Hazardous Tasks

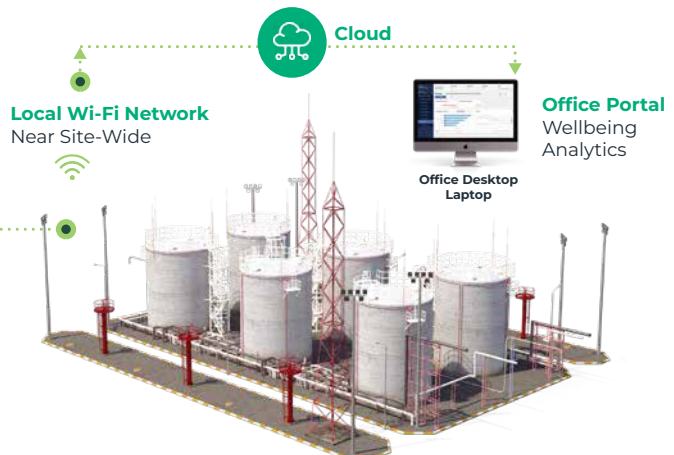


**Worker Wellbeing**

- Heart rate monitor
- Fitness tracker
- Heat stress monitor
- Health & wellbeing indicators
- Proactive work / rest management



**Near Realtime Visibility**  
Safety Operations Monitoring



## Contact Us

Magellan X Pte. Ltd.

83 Clemenceau Avenue #17-05, UE Square, Singapore 239920



magellanx.co



contact@magellanx.co



+65 6721 3023