

主辦單位



支持單位



Seminar: Smart Safe Distance Guarding System

An Effective Safety Device for Mobile Elevating Work Platform (MEWP)

Core Technology & Detection

- Utilises millimetre-wave radar technology – stable, accurate, and immune to dust, fog, and low-light conditions.
- Delivers real-time distance measurement with precision up to 1 cm.

Key Features:

- High-Precision Detection**
 - Utilises TOF (Time-of-Flight) laser sensor technology for real-time monitoring of obstacles.
 - Detection range: 10 ~ 4000 mm (Optional 8000mm) with an accuracy of ≤ 1 cm.
- Durable and Reliable**
 - IP67-rated protection for operation in harsh environments.
 - Advanced heat dissipation design to ensure stable performance.
- Multi-Level Alarms**
 - Alert Level (Orange):
 - Default trigger distance: ≤ 3 m (Adjustable).
 - Selectable alarm modes: Audio-Visual Alarm / Audio Only / Visual Only.
 - Danger Level (Red):
 - Default trigger distance: ≤ 2 m (Adjustable).
 - Alarm mode: Mandatory rapid audio-visual alarm.
- Communication & Connectivity**
 - Supports Bluetooth for wireless remote management via APP.
 - Wired interface: AV / RS485.
- Real-Time Data Monitoring**
 - Displays obstacle distance and status in real time monitoring.
 - Historical alarm records for post-event analysis.
- Modular Design**
 - Supports up to 1-8 sensors connections for multi-direction monitoring.



講座詳情：

- 講者：曾志誠 (Director, Business Development, Smart Treasure Technology Limited)
- 地點：旺角彌敦道612至618號好望角大廈9樓B室
- 日期：9月7日 (星期一) 7:00 pm 至 8:00 pm
- 報名登記：CH Hung (65468314)/ Stewart Wong (90972503)/ CK Hung (65462502)
- 及查詢 (不收費)

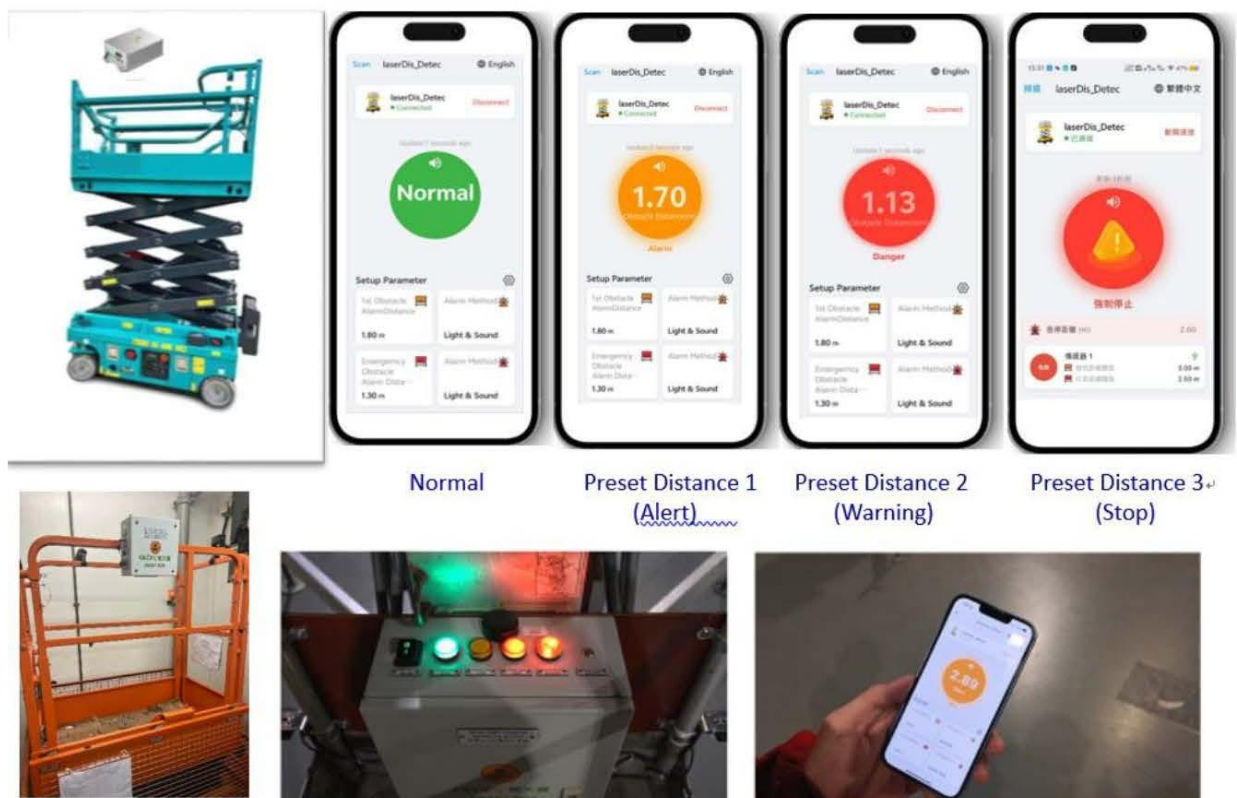
Smart Safe Distance Guarding System

An Effective Safety Device for Mobile Elevating Work Platform (MEWP)

Smart Treasure's Smart Safe Distance Monitoring and Control System is a ready-to-install secondary guarding solution specifically designed for Mobile Elevating Work Platforms (EWPs). It enables operators and contractors to fully comply with the Labour Department's updated safety guidance (Feb 2026) while significantly reducing overhead crushing risks.

Core Technology & Detection

- Utilises millimetre-wave radar technology – stable, accurate, and immune to dust, fog, and low-light conditions.
- Delivers real-time distance measurement with precision up to 1 cm.

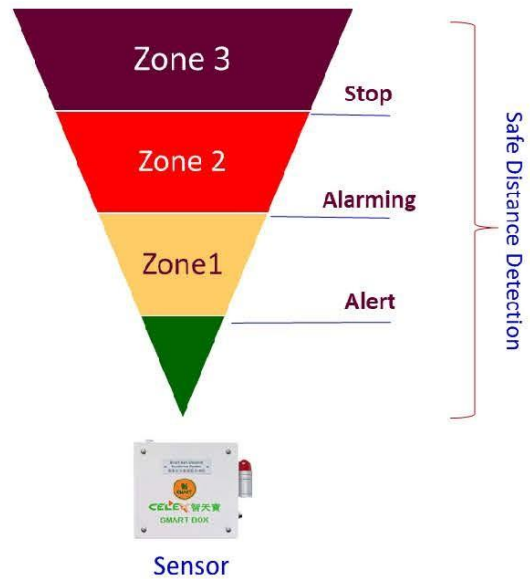


Two-Stage Alarms + Automatic Emergency Stoppage

- Orange alert (pre-warning, e.g. $\leq 2\text{m}$) and Red danger (critical, e.g. $\leq 1.5\text{m}$) with audible and visual signals.
- When the platform reaches the pre-set stop distance (e.g. $\leq 1\text{m}$), the system triggers a relay output (NC $\rightarrow$ NO) to cut off power – automatically stopping the EWP without any modification to its original control system.

Working Principle:

- **No Blind Spot:** Our Safe Distance Monitoring System is specifically designed to address this issue
- **Real time detection:** A single controller can connect multiple distance sensors to ensure all-around safety for workers.
- **Dual alarms:** Both the on-site worker's mobile phone and the controller emit audible and visual alarms simultaneously
- **Two Level of Alarms with Emergency Stop** at critical distance
- **Ease of Use App:** The app allows customization of two alert levels and enables Emergency Stop to the lifting platform. In addition, the App also helps to save historical data for safety analysis and asset management efficiency



Key Features:

1. High-Precision Detection
 - Utilises TOF (Time-of-Flight) laser sensor technology for real-time monitoring of obstacles.
 - Detection range: 10 ~ 4000 mm (Optional 8000mm) with an accuracy of ≤ 1 cm.
2. Durable and Reliable
 - IP67-rated protection for operation in harsh environments.
 - Advanced heat dissipation design to ensure stable performance.
3. Multi-Level Alarms
 - Alert Level (Orange):
 - Default trigger distance: ≤ 3 m (Adjustable).
 - Selectable alarm modes: Audio-Visual Alarm / Audio Only / Visual Only.
 - Danger Level (Red):
 - Default trigger distance: ≤ 2 m (Adjustable).
 - Alarm mode: Mandatory rapid audio-visual alarm.
4. Communication & Connectivity
 - Supports Bluetooth for wireless remote management via APP.
 - Wired interface: AV / RS485.
5. Real-Time Data Monitoring
 - Displays obstacle distance and status in real time monitoring.
 - Historical alarm records for post-event analysis.
6. Modular Design
 - Supports up to 1-8 sensors connections for multi-direction monitoring.

