



領建™ 智能塔吊預警系統

RANGER™ TOWER CRANE ALERT SYSTEM



政府資助及標籤顧問服務



十項核心技術全自主研发



本地技術團隊快速響應支援



開放平台技術行業首創免接費用

安全先行 效率隨行
Invest in Safety
Gain in Efficiency

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產品結構 - 領建智能塔吊預警系統

Product Structure- RANGER Tower Crane Alert System



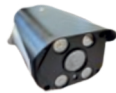
使用太陽能電源
Solar-powered

先進的高精度測量
Advanced high-precision measurement

人工智能監測吊物下方
AI-Powered Intrusion Detection

即時錄影及儲存片段
Automatic Recording with Video Evidence

同步至CMP平台
Alerts Displayed in CMP



AI Camera



Solar Panel



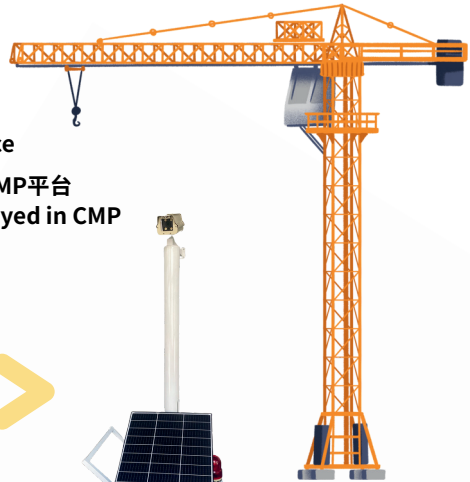
UWB Tag



UWB Station & Alarm



Physical Assembly Effect



安全先行 Invest in Safety

AI監控入侵警示

AI偵測吊物下方有人，
實時自動聲光警報
AI detects people under the lifted load
and triggers real-time automatic
audio-visual alarms

入侵事件自動錄圖存證

當偵測到人員入侵吊運區域，
自動截圖並存檔以供查證
Captures and stores images when
unauthorized entry into lifting zones is
detected

UWB雙向感應

UWB技術精準探測吊鉤距離，
及時自動警報
UWB technology accurately detects
the distance of the crane hook and
provides timely alarms

效率隨行 Gain in Efficiency

警報事件雲端通知

當觸發警示時，
即時推播通知相關人員處理
Alerts are pushed to designated
personnel via cloud for quick
response

吊運影像留存與回放

所有警示事件的影片及圖片自動儲存，
可供事後調閱與佐證
Stores relevant video and images for
each alert event for later review and
documentation

多工地集中管理介面

支援多個工地警示事件圖片集中於
平台統一查閱
Allows centralized viewing of
alert image logs from multiple
sites