

5G運輸智慧即時監控平台



大世科以高效能影像運算的強項優勢，在交通運輸業大範圍高密度影像接收整合，及衛星通訊無線電磁波影像傳輸經驗十足。

伸波通訊sDAS(Slim Distribution Antenna System)使用光纖技術，傳輸訊號耗損低，能解決傳統洩波電纜訊號傳輸耗損大而造成長距離末端訊號的損失的問題。同時光纖體積小，涵蓋範圍廣，能大幅縮短施工時間以及佈建成本。

此次攜手合作，搭配DAS及ORAN系統，自主軟硬體研發，加速企業5G應用以整合成E2E(端對端)的完整解決方案。

以AIoT與5G通訊整合，一線三站的乘客轉運輸分析五大應用情境「車廂內人員異常移動」、「車廂內人員鬥毆」、「車廂內人員倒臥」、「車廂人潮疏導」、「旅客口罩偵測」之危安情境監控，以提升營運安全及客戶體驗。

四大面向創新標竿

「場域應用」
AI智慧安全監控佈局

「乘客體驗」
提升安全及乘客滿意度

「創新商模」
組化訂閱

「擴充增值」
擴大商業發展

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In this case, AIoT and 5G communication were integrated to analyze the five major application scenarios of passenger transfer and transportation at the first line and three stations: "abnormal movement of people in the car", " Passengers fighting in the carriage ", " lying down in the carriage", " crowd evacuation of the carriage", " passenger mask detection" to improve operational safety and customer experience.

Tsti has high-performance image computing, has rich experience in the integration of large-scale high-density image reception in the transportation industry, and satellite communication wireless electromagnetic wave image transmission.

Wave-In' s sDAS extends 3/4/5G coverage into any indoor environment without loss. Due to easy and fast deployment, Wave-In effectively reduces the cost of ownership.

This joint cooperation, with DAS and ORAN systems, independent software and hardware research and development, to accelerate enterprise 5G applications to integrate into E2E (end-to-end) complete solution.

Innovation Index

「 Field application 」
AI smart security monitoring layout.

「 Passenger Experience 」
Improve safety and passenger satisfaction.

「 Innovative business model 」
modular subscription.

「 Expansion and added value 」
expand business development.
This is the first case of integrating comprehensive end-to-end 5G system services in a scenario of fast-moving trains. (Including ORAN + SDAS + CPE + IPCAM + AI)