

NETWORK SLICING BY FAR EASTONE | CASE:

5G for smart policing



Taiwanese service provider Far EasTone uses the power of network slicing to give Kaohsiung City Police Department's smart patrol cars a flawless connection – helping them make the city a safer place.

The challenge

In a city of almost three million residents, police in Kaohsiung required a proactive approach to fight crime and assist front line officers. Together with Far EasTone, they developed a smart patrol car with AI-powered automatic number plate recognition to identify reported stolen vehicles on the roads. For this smart solution to work around the clock and while on the move, a top-performing 5G connection with low latency and high throughput is a must.

The solution

With a dedicated 5G network slice at their disposal, images of number plates from the patrol cars are transmitted and cross-referenced against the police department's central register almost instantly – allowing officers to quickly act to recover stolen vehicles.

Ericsson's Dynamic Radio Resource Partitioning ensures a solid connection as patrol cars travel around the city, and Local Packet Gateway means city-level data is always available to officers.

The result

After the deployment of the solution in 2022, the police department experienced a boost in their operational efficiency and discovered stolen vehicles more quickly and dynamically than before. Critical data on vehicle registrations was kept secure, and officers got access to up-to-date information while on the job. In future, this scalable system can be deployed in new areas of the city, or across the country, and similar solutions will evolve in new use cases, such as crime detection in crowded public areas.

"I believe this is just the beginning to explore limitless possibilities in 5G to enhance people's lives and make our city more livable."

Spokesperson,
Kaohsiung City Police Department

"The 5G Smart Patrol Car is made possible by our continuous investment in big data, AI and IoT, combining the Ericsson top-notch 5G technology and the great support from Kaohsiung City Police Department."

Chee Ching,
President of Far EasTone Telecommunications