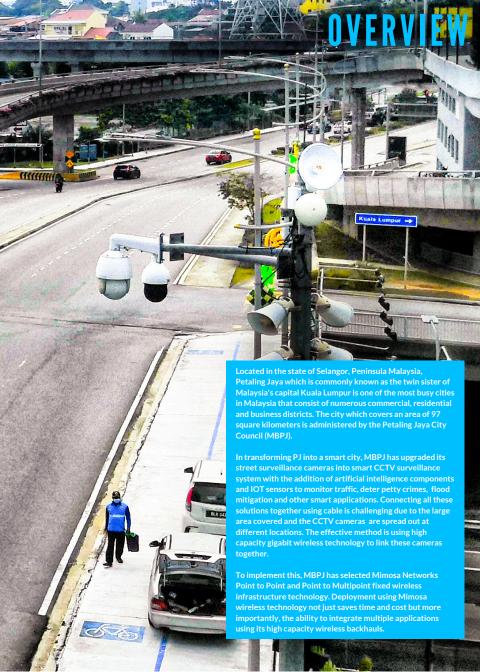




# WIRELESS SMART CCTV CITY SURVEILLANCE



A use case on Mimosa wireless infrastructure for Smart CCTV surveillance application for Majlis Bandaraya Petaling Jaya, Malaysia





### **OBJECTIVES:**

Fulfilling their smart city and security initiatives, MBPJ wireless CCTV surveillance solutions are designed based on the following objectives:

- The CCTV surveillance system network at MBPJ must be robust and foolproof with redundancy backup without single point of failure.
- Support integration of multiple components including high definition intelligent cameras, voice, IOT and Al
  applications.
- Using high capacity gigabit wireless backhaul to cater for existing cameras and future expansion.
- The infrastructure must be able to support state-of-the-art surveillance cameras with facial recognition and other crucial applications which promote Petaling Jaya as a safe and smart city.

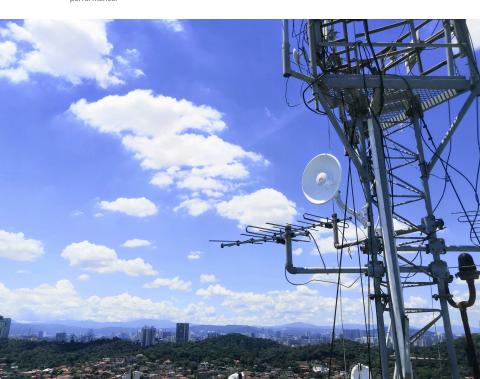




## THE SOLUTION

With such a large number of surveillance cameras' requirements yet having limited locations to lay cables, the fast and practical approach to solve this is using total wireless network infrastructure. A combination of different Mimosa radios were being deployed:

- Mimosa high-capacity wireless solution eliminates the need to lay physical fibre optic cables. The high-capacity wireless radios provide up to 1.5Gbps Point to Multipoint wireless network as well as Point to point backhaul on the 5GHz unlicensed band spectrum.
- To eliminate radio spectrum congestion, Mimosa B5 series license free point to point backhaul radios that support frequency range between 4.9GHz-6GHz provides up to 1.5Gbps capacity were deployed as main backhaul. This frequency range allows full utilization of the spectrum effectively.
- C5x CPE radios were deployed giving up to 600Mbps capacity to each camera. This flexible and cost
  effective radios allow quality images that require high bandwidth to be transmitted without dropping the
  performance.





# THE RESULT

With the high capacity Mimosa wireless solution deployed at MBPJ, the objectives are achieved with much lesser investment. Besides, the entire project deployment time took less than one month to complete.

This project has exceeded customer's expectation. The excellent performance of Mimosa's wireless solutions fulfilled both MBPJ's current and future infrastructure requirements for CCTV surveillance needs.

Customer: Petaling Jaya City Council, Malaysia

Location: Petaling Jaya, Selangor, Malaysia

Applications: Wireless CCTV surveillance

Products deployed: Mimosa A5c Base Station, B5c backhaul and C5x CPE







### CONTACT US:

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