



SMART WIRELESS SCADA SYSTEM



A use case on Mimosa wireless infrastructure for smart SCADA system application for Pengurusan Air Selangor Sdn. Bhd.

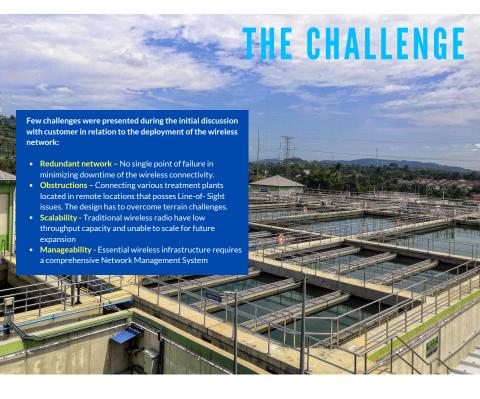




OBJECTIVES:

Fulfilling their initiatives in using technology to automate their operations and management, Air Selangor high capacity wireless network are designed based on the following objectives:

- Support various SCADA applications in collecting data and automated management pumps, valves, motors
 and sensors.
- Support integration of multiple components including high definition intelligent cameras, IOT and Al
 applications.
- Using high capacity gigabit wireless backhaul to connect to various application devices now and for future
 expansion.
- The infrastructure must be able to run without single point of failure. A back-up redundant wireless network
 is compulsory.





THE SOLUTION

The Mimosa Networks high capacity 1.5Gbps point-to-point backhaul and 1Gbps Point-to-Multipoint base station delivers blazing fast speed to support multiple devices providing real-time monitoring and control for sensitive applications. The Mimosa wireless solution design provides a complete long distance, high capacity and secured private network infrastructure for Air Selangor without the need to lay cables. A combination of different models of Mimosa radios were being deployed:

- 1.5Gbps B5c backhaul with full N+1 redundancy to ensure robust and high availability networks. The B5
 point-to-point radio operates on 5GHz unlicensed band spectrum
- 1Gbps A5c point-to-multipoint base station at the central building providing wireless connectivity to surrounding treatment plants
- . 600Mbps CPE end point tapping into various SCADA applications providing high capacity connectivity.





THE RESULT

With the high capacity Mimosa wireless solution deployed at Air Selangor water treatment plant, 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 Air Selangor's current and future infrastructure requirements for SCADA and other IP related applications.

Customer: Air Selangor

Location: Semenyih & Putrajaya

Applications: Wireless backhaul and last-mile for **SCADA** connectivity

Products deployed: Mimosa A5c Base Station,

B5c backhaul and C5x CPE





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