

Seamless Connectivity For Hospitals

Solution Brief | Healthcare Solutions



Seamless Network For Efficiency

The Automated Guided Vehicles (AGVs) depends on a tightly knit wireless network to guide itself from one point to another. Automating manual labor of material handling to ease human resources

Application

Automating manual labor through the use of robots guided by wireless networks

Solution

Motorola's wireless access point & Cambium PTP provide seamless wireless network to guide the robots

Benefits

Scalable & reliable wireless network that grows with your requirement

Our Selected Customer



Together with our partner, we designed and deployed wireless network for hospitals in Singapore. The solution requires ROOTS to provide the Wireless LAN (WiFi) communications for the hospital's TransCar AGV system to transport meals to patients in the ward.

[Contact us to find out more!](#)

Constant Communication Anytime, Anywhere

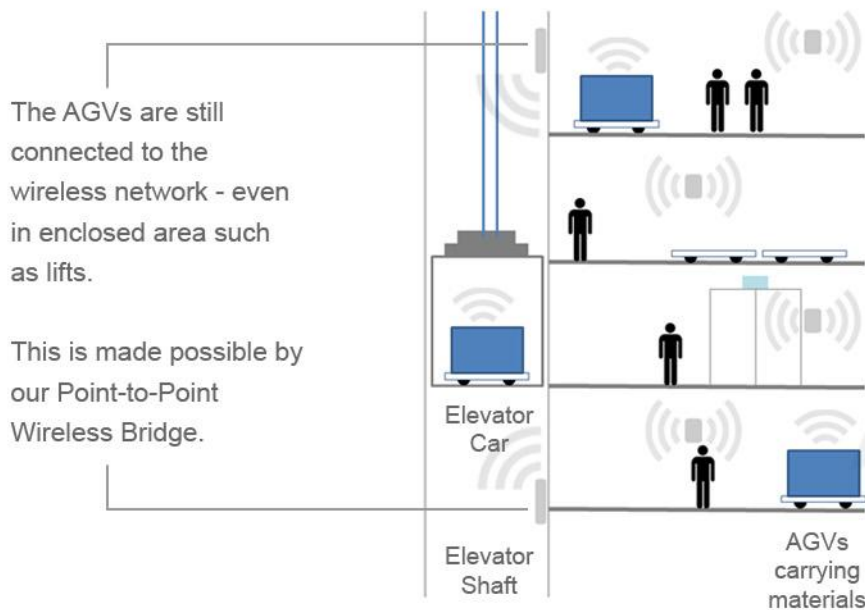
The challenges faced is how to provide enough wireless and seamless coverage for Wireless LAN (WiFi) so as to function with all Transcar vehicles.

In addition, constant communication with Hospital's TransCar Management System central computer must be maintained to monitor the vehicles locations and control traffic. Care must be taken to prevent radio frequency interference with the sensitive medical equipment.



In the past, the Transcar's inter-network communication uses Infrared technology(IR).

However, the IR technology has many limitations. And it was an attempt for Transcar to deploy Wireless AP for each floor and inside lift shaft; we have **Cambium PTP 230** to complete the link to ensure seamless communication for Transcar.



Cambium PTP 230 Point-to-Point Wireless Bridge

- Dual band for robust performance & reliability
- GPS Synchronization to reduce frequency interference



Motorola AP621 Cost Efficient 802.11n Access Point

- Low cost with superior receive and transmit sensitivity
- Designed for rapid deployment with small form factor for flexible installation

Deploy reliable wireless network solution today!
enquiry@rootscomm.com or 6283 8500

Contact
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