

TV white spaces beneficiary profile:

Gardens by the Bay, Singapore

Singapore White Spaces Pilot Group

Gardens by the Bay (GB) is the latest icon in Singapore, widely promoted as the place within the city where both locals and tourist can enjoy the greenery. The Gardens capture the essence of Singapore as the premier tropical garden city with the perfect environment in which to live and work – a leading global city of the 21st century.



After GB's grand opening in late 2011, the park management initiated a project to provide wireless internet connectivity solution for public users around the main attractions. Along with providing greenery for visitors' enjoyment, the free public Wi-Fi implemented via

Wireless@SG provides a platform for local and overseas visitors to enjoy Internet connectivity at the Gardens attractions.

As a member of the Singapore White Spaces Pilot Group, a group established with the support of Singapore's regulator, Infocomm Development Authority (IDA), Power Automation (PA) works closely with the Institute for Infocomm Research (I²R) and authorities to promote Singapore as a innovative and leading technological hub.

In the Gardens, PA and I²R implement TV White Space (TVWS) for cutting-edge technological network coverage and greater wireless connectivity within the designated attractions of The Supertree Grove, The Canopy and The Meadows. Along with enjoyment of the lush surroundings, the network in GB is an all-in-one solution providing seamless Internet connectivity from the various attractions to the base station located at the Gardens Headquarters.



Today, Wireless@SG at GB creates a broadband connection utilising traditional TV spectrum used for television transmissions to provide long range internet connectivity from a base fibre line to the selected sites where park visitors access the network.

Designed for maximum coverage within the selected locations, the Wireless@SG TVWS network has been integrated into various corners of the attractions for best user experiences for internet surfing. This scalable and cost-effective design allows organic growth and easy upgrades in coverage and speed without specialist knowledge.

For more information, please contact *Singapore White Spaces Pilot Group* member from Power Automation, Kerk See Gim, at sgkerk@pa.com.sg