

TV white spaces beneficiary profile:

University Town @ National University Singapore (NUS UTown), Singapore

Singapore White Spaces Pilot Group

University Town @ National University Singapore (NUS UTown), is the newest addition to the oldest University in Singapore – NUS. The main university campus and UTown are connected via a link bridge across the busy Ayer Rajah Expressway (AYE).

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 an innovative and leading technological hub. The implementation at UTown is a showcase of technological implementation of electrical metering operations.



In UTown, PA and I²R have implemented TV White Space (TVWS) to provide technological network coverage and greater wireless connectivity within the designated dormitory blocks for metering services. The TVWS network, commonly called Super Wi-Fi, requires minimum wire pulling to link up various corners of the Campus.



A great advantage Super Wi-Fi has over traditional Wi-Fi networks is that TVWS radio frequencies are able to travel and bend over longer range to provide connectivity.

Designed for maximum network coverage within the campus, further units of planned TVWS clients can be installed to provide campus-wide connectivity with minimum pulling of wires and trenching. Overall, TVWS clients have been strategically located within the campus, achieving best user experiences for connectivity and future scalability.



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