

## Integrated Smart Robot Assistant for Building IoT Network

Deploy and integrate Robotic and Building Management System to form a massive real-time 24\*7 services via Building IoT network. The smart robot assistant can provide active real-time monitoring on the conditions of site/ plant room anytime & anywhere. It can actively collect data for AI & machine learning to identify potential abnormal zones.

The robotic system works together with the Building systems including Building Information Model (BIM), Integrated Building Management System (iBMS), Digital Twin, etc. to react proactively to take preventive measures and prompt follow-up actions via building maintenance staff and user interface.

All the robotic data and other sub-systems within the building will be integrated with the Department's control centre to formulate a digital twins model in an interactive way on both monitoring, control and even human interface.

With mass deployment of Smart Robot Assistant in different buildings, a large amount of data can be collected and transmitted to control centre, then perform analysis and pave the foundation for smart city infrastructure.