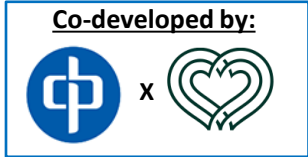
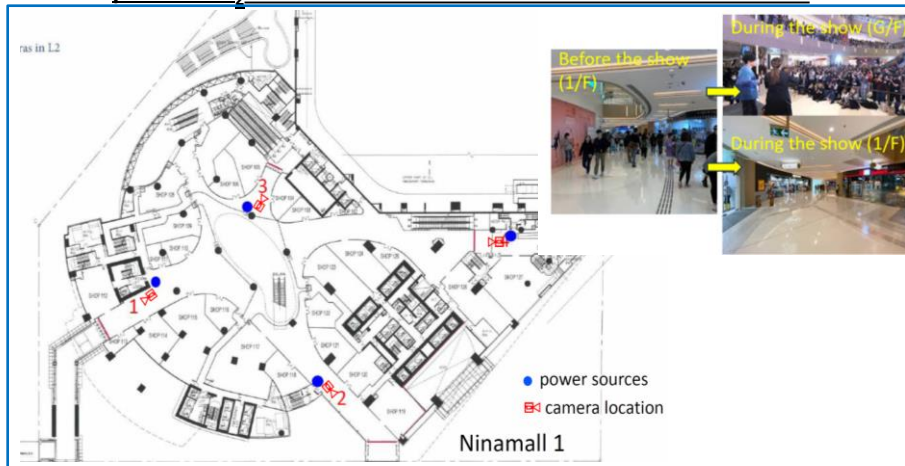


5G and AI-enabled Energy Management System for Predictive Control on AC System

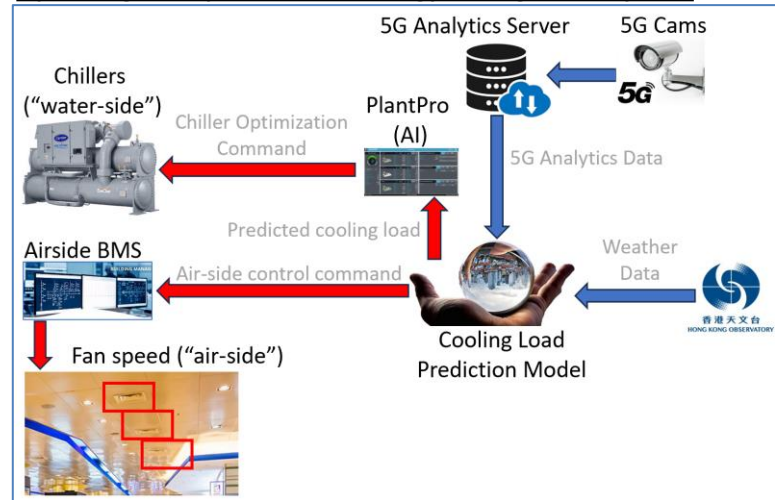
- The new **5G Energy Management System** uses **real-time people traffic** captured by **5G video analytics**, plus weather data and AI technology to predict and regulate **the airflow and cooling demand** of Nina Mall to achieve energy saving.
- **ITC Funding, Super Tax and CLP Eco Building Fund** have been approved for this innovative energy saving project. Total worth is **80%** of project cost.



Ten 5G cameras are installed to capture real time people traffic and predict CO₂ concentration on different floors inside the mall



Operating Principle of the 5G Energy Management System



The estimated energy saving by the 5G system is over 10%. The same system can be applied to other malls.