

# Digital Energy Systems For a Sustainable Campus



- Reduction in Energy Usage
- Reduction in Energy Costs



## Occupancy Sensing<sup>-TL</sup>

Occupancy dashboard value  
assessment



## Smart Metering<sup>-LG</sup>

Analysis of behavioural change through  
use of smart meters

*Usage Requirement*



*Live Demand Data*



## Building Services<sup>-RS</sup>

Optimised heating and cooling system  
Demand side response control  
algorithm



## Peak Demand Reduction<sup>-AC</sup>

Optimised peak shaving system  
Cost benefit analysis for energy  
storage

*Building Requirement*



*Demand Charge Reduction*



## Smart Thermal Grids<sup>-JB</sup>

Cost-benefit-analysis and comparision  
to current heating systems



## Energy Pricing<sup>-TM</sup>

Business case for energy saving  
Techniques

