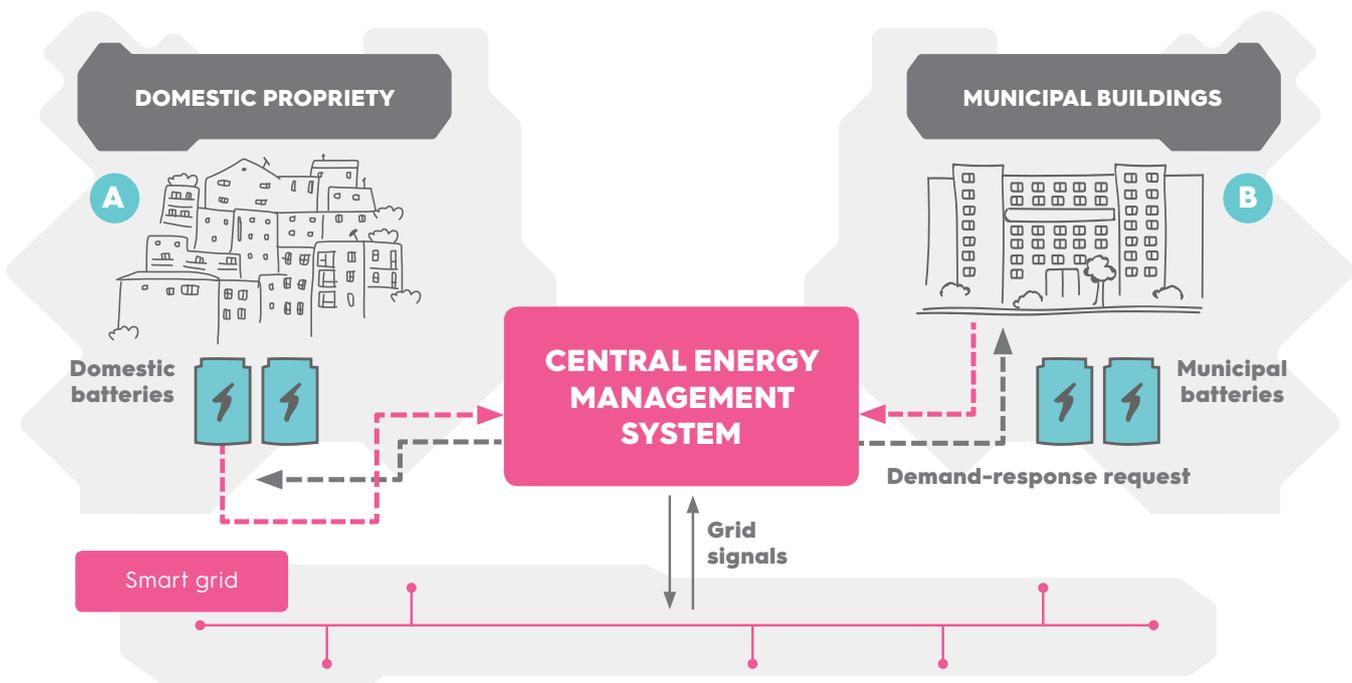


## Implementation of demand-side management technology in domestic & non-domestic properties

Glasgow

Energy management and ICT



A: The objective of this solution is to explore how domestic flats that utilise electricity as a heating source (by way of storage heaters) can be included as assets connected to the grid to supply demand-side response to grid signals. This solution will include the installation of domestic batteries to explore options for charging/discharging schedules related to electricity tariffs.

B: The objective of this solution is to build upon previous work that was undertaken by Glasgow City Council to look at how non-domestic buildings could be connected into a smart grid system via their in-house building management systems (BMS). Via connection to the BMS, the grid can ask for reductions in buildings' demand to create availability on the network to match overall demand. This can provide savings for the buildings in question, and provide resilience to the grid infrastructure, whilst negating the need for very expensive infrastructure upgrades.

### Main partners involved:

SIEMENS



