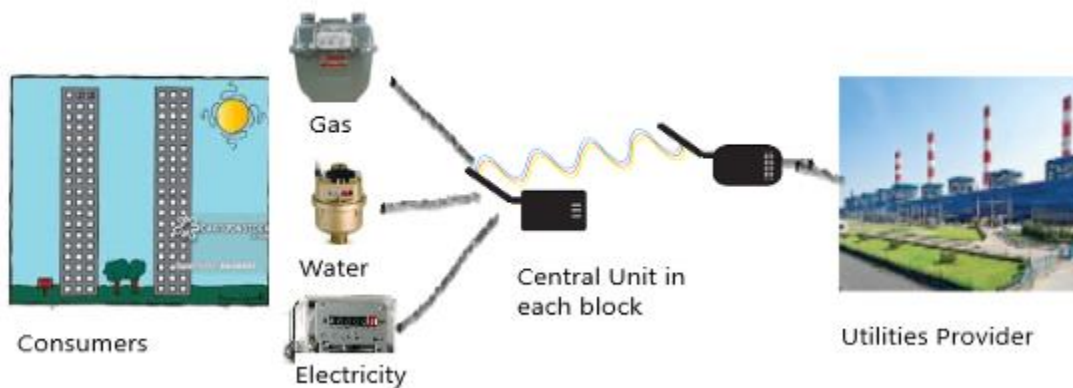


Ideation for a Energy and Resources category

In most of the cities and suburbs, manual reading of meters is necessary for water, electricity and gas consumption. The manual process takes on a monthly readings or other mode of reading frequency to inspect the meter and record the consumption per unit for their monthly or periodic billings.

A small device could be placed at each of the consumers' meters to wirelessly send in the usage of water, electricity or gas to a central accumulation unit and then transfer the data to the service providers for the billing process.



Consumers advantages:

- Consumers should be able to read the daily usage and conserve energy
- Consumers should be able to switch off their main power for all utilities remotely
- Consumers should be able to get alarms on their mobile if the energy consumption level is exceeded.
- Consumers should be able to turn off their main water supply or gas supply if there is a leak detected when there is a meter reading change when no one is present in the residence
- Consumers will be able to know their charges for the month instantly on their mobile app

Utilities Provider advantages:

- Utilities suppliers could read the meters in real-time or periodic basis and provide the billing information to the consumers.
- Manual reading of meters could be abolished completely except for times when wireless connectivity over the internet is disrupted for longer period of times.
- Utilities suppliers could advise consumers on statistical usage in comparison with other households