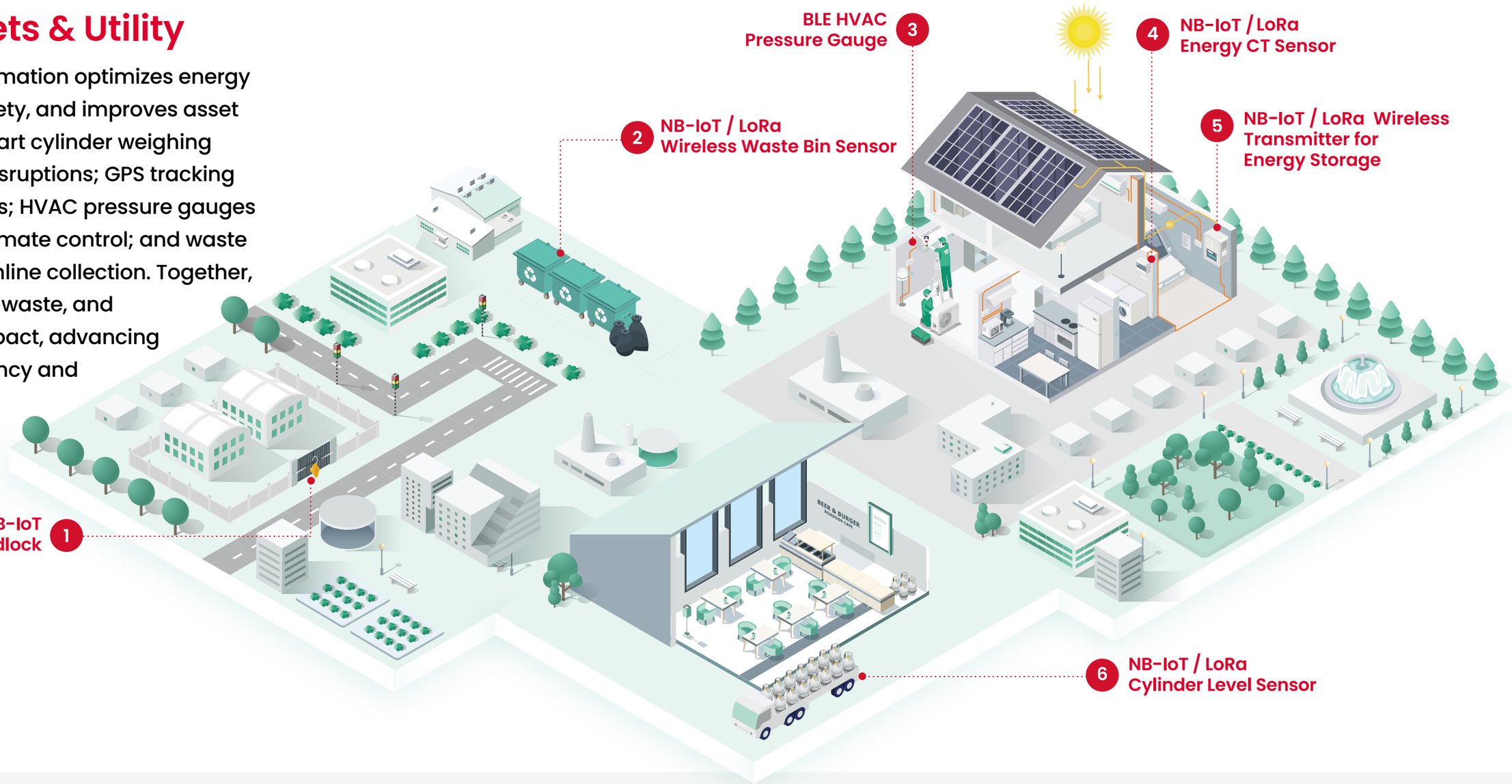
Smart Assets & Utility

IoT digital transformation optimizes energy use, enhances safety, and improves asset management. Smart cylinder weighing prevents supply disruptions; GPS tracking locks secure assets; HVAC pressure gauges enable efficient climate control; and waste bin sensors streamline collection. Together, they reduce costs, waste, and environmental impact, advancing operational efficiency and sustainability.



1 LTE-M / NB-IoT GPS Padlock

- Lock up on any gate entry
- Report GPS Coordinates when the Shackle is Open
- NB-IoT / LTE-M Wireless Communication

2 NB-IoT / LoRa Wireless Waste Bin Sensor

- Monitor level of waste bin
- NB-IoT / LoRa Wireless Communication
- Battery Power Supply

3 BLE HVAC Pressure Gauge

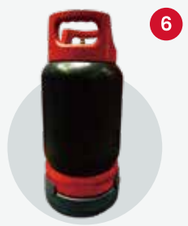
- Monitor pressure in HVAC
- BLE / NB-IoT Wireless Communication
- Battery Power Supply

4 NB-IoT / LoRa Energy CT Sensor

- Measuring Three-hase Electric Currents
- NB-IoT / LoRa Wireless Communication
- DC / Battery Power Supply (Optional)

5 NB-IoT / LoRa Wireless Transmitter for Energy Storage

- RS485 / 4~20mA Data Input from Utility Meter (Water / Gas / Electricity)
- NB-IoT / LoRa Wireless Data Output
- DC and Battery Power Supply



6 NB-IoT / LoRa Cylinder Level Sensor

- Monitor level of Consumption in LPG Cylinder
- NB-IoT / LoRa Wireless Communication
- Battery Power Supply

Energy Management Platform

- Dashboard for All Energy Data
- Device Management for Operation
- Daily Maintenance and Alarm for Out-limit

Multi-locations of waste bin for optimal cleaning management

Cylinder sensor reports usage for proactive delivery

Energy monitoring and analytics for optimization

Unexpected unlock notification gives exact Coordinates, Time and Vehicle of the event