The IoT Asset Tracking Universe

Healthcare
Monitor the location, usage, and maintenance of medical equipment, supplies, and assets to ensure the right equipment is available in the right place at the right time.

eMobility
Track shared mobility devices for efficient deployment, maintenance, and utilisation, and to reduce theft and vandalism.

Returnable transport items (RTIs)
Have accurate and up-to-date information on RTI inventory; reduce overstocking, shortages, and loss.

Marine buoys & shipping containers
Real-time monitoring of the location and movement of assets at sea optimises supply chain management.

Vending machines & point-of-sale equipment
Monitoring vending machines and point-of-sale equipment reduces malfunction, theft, and vandalism.

Factories and warehouses
Track in indoor environments to monitor the location and utilisation of assets, and manage inventory.

Environmental monitoring
Collect weather and other data to identify potential hazards, track the movement of pollutants, and inform conservation efforts.

Water tanks & commercial generators
Track valuable commercial equipment usage, status, and location to reduce theft, damage, and malfunction.

LPWAN city

LPWAN site

LPWAN private

Vehicle fleets
Enhance fleet management, reduce loss, improve utilisation.

Construction vehicles
Improve fleet management and reduce the risk of theft with information on vehicle location, utilisation, and maintenance.

Cargo logistics
Track in-port cargo for efficient management of goods, and reduces the risk of theft, damage, or loss.

City maintenance equipment
Quickly locate and track equipment, reduce equipment theft, optimise maintenance schedules, and increase overall productivity.

Agriculture
Monitor location and movement of livestock, farm vehicles, and equipment; monitor the growth and development

Cold chain monitoring
Tracking perishable goods and using temperature sensors in cold chain environments improves the quality of goods and overall supply chain management.

Forestry
Monitor the condition of forest assets and help ensure the safety of workers in the field.

Pet tracking
Track pets to have information about their location and well-being.

People
Monitor and track lone workers to enhance personal safety and well-being.
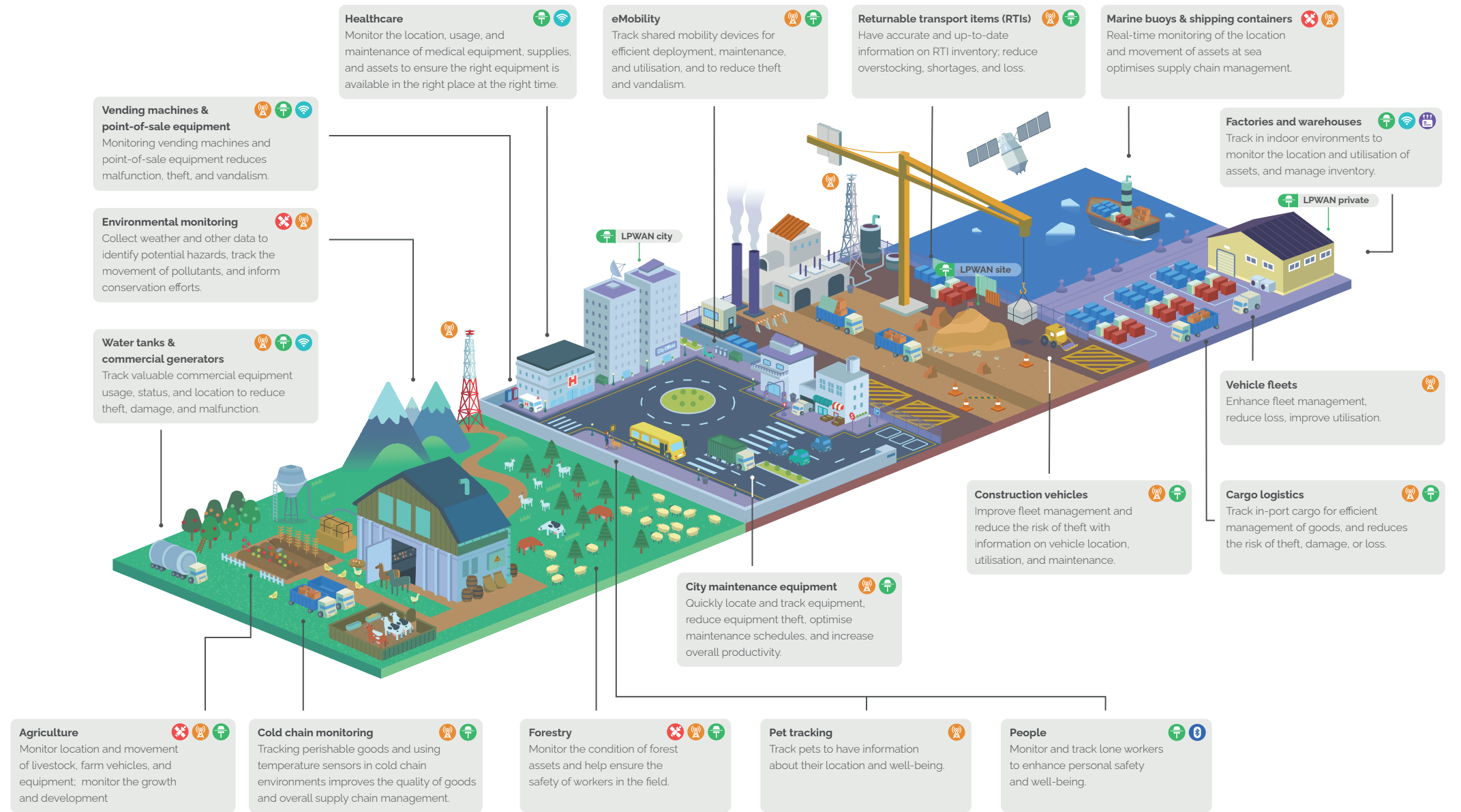
KEY – CONNECTIVITY OPTIONS

SatIoT
Provides global coverage that is not reliant on terrestrial infrastructure

Cellular
Provides high-speed connectivity and widespread coverage

LPWAN
A low-power, wide area network (Sigfox, Private LPWAN, LoRaWan, 6LoWPAN etc)

Wi-Fi
Wireless local area network that uses radio waves to provide internet connectivity

Bluetooth
Short-range wireless technology that enables devices to communicate with each other

RFID
Provides wireless connectivity between a reader and a tag.