

The closed-circuit television (CCTV) ensures a high level of security and facilitates the overall building management. This system enables staff to take timely action should they detect suspicious people or items, accidents or unauthorized people in a restricted area.



The highly efficient visitor management system will help minimize time spent exchanging ID cards for building access. It tightens loopholes and solves pain points inherent in the traditional reception desk method. Moreover, the system comes with a database to maintain detailed records of each individual's arrival and departure times.

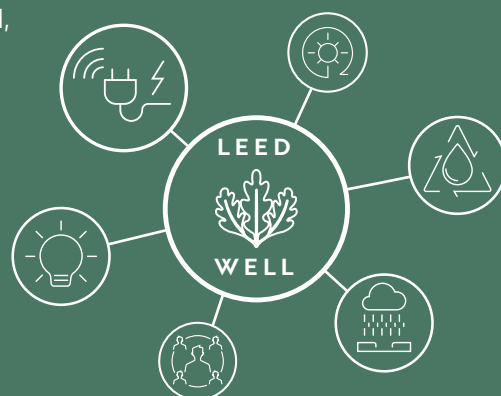
There is a self-registration kiosk in The PARQ lobby to enable visitors to register and obtain a QR code by scanning their ID cards or passports and following the screen prompts. This will reduce the number of staff required at the front reception desk (counter) and will minimise the time spent registering each visitor.

Tenants can pre-register by inputting their visitors' information into the system and forwarding an electronic "Visitor Pass" with corresponding QR code in advance through The PARQ mobile application. Upon arrival visitors can scan this QR code at the automated turnstiles to access the building. An administrator can set some security policies such as determining areas and hours that specific visitors can enter. Moreover, with the use of facial-recognition technology, The PARQ enhance the touchless experience whereby registered office tenants can pass through the turnstiles at the office lobby and calling elevators by using the facial detection system.



## INTEGRATED ENERGY MANAGEMENT AND BUILDING

- 13% energy saving compared to international energy efficiency standard, to support the policy of reducing greenhouse gas effects.
- Extremely high performance air cooling system with flexible air condition services.
- Superior sanitation with an air purification system to filter and sanitize air.
- Reverse osmosis filtered drinking water on every floor.
- Destination control Lifts and escalators with minimized waiting times.
- Integrated building security includes a fire alarm system, an earthquake-resistant structure, an emergency generator system and LEED and WELL standard criteria.



# SMART FEATURES

## SMART ICT INFRASTRUCTURE

The ICT network infrastructure provides state of the art ICT services and resiliency in order to provide end-users with high -speed connectivity in a highly resilient configuration. The system users:

### GPON (Gigabit Passive Optical Network):

there are fiber optic cables run to each office and retail tenant units to provide high bandwidth, low latency and high reliability.

### Seamless Wi-Fi Access and Mobile Network:

### Wi-Fi 6 technology deployment in Retail Area:

This fastest WLAN technology to date provides four times higher network bandwidth and four times more concurrent users than Wi-Fi 5. Latency is three times lower than Wi-Fi 5.

**Fully coverage mobile and high-speed Wi-Fi network** in both indoor and outdoor area, even in the elevators and basement carpark area, enable high-speed and seamless connection for everyone.



### CAR PARK MANAGEMENT

The PARQ's Smart Parking System features both license-plate recognition (LPR) technology and QR code entry to accommodate registered office tenants and visitors respectively. Visitors with "Visitor Pass" generated from The PARQ mobile application can also present their QR Codes at the parking gate to pass through barrier.



### UVC ROBOT AND THERMAL SCAN

Incorporating the ultimate hygiene and cleaning processes, The PARQ deploy UVC disinfection robots with intense UVC lamps that help eliminate bacteria, fungus and reduce the spread of airborne germs. In addition, there will be thermal cameras installed at all main entrances of both retail and office area. In addition, these cameras are connected to an AI-based platform to detect and keep records of visitors who do not wear face masks.



### DIGITAL SIGNAGE

All LED screens in the project both indoor and outdoor area are controlled by one single CMS (Content Management System), which allow building operators to manage all images and videos of each LED screen in real time.



### AIR QUALITY MONITORING

There are 33 air quality sensors to measure PM2.5, PM10, temperature and relative humidity installed throughout the public areas (both indoor and outdoor), which will notify building management when it detects harmful particles, so that air ventilation rate will be increased in order to increase the fresh and treated air from outside to inside the building.



### PEOPLE COUNTER

People counting sensors installed in front of all entry and exit doors, escalators, elevators and rest rooms allow operating staff to monitor crowded areas (if any) and maintain such facilities in a timely manner, while providing analytical information on footfall traffic.



### SMART POLE

The PARQ complex includes multi-purpose Smart Poles. They provide a connected light source as well as security features via an integrated CCTV camera and an emergency button. They also provide internet connectivity from wireless access points and features a Public Announcement (PA) speaker. All information from the Smart Poles is relayed back to the Command Centre so that immediate and appropriate action can be taken.



### EV CHARGERS

Responding to the growing electrical vehicle uptake in Thailand, The PARQ also offers 19 EV charging stations to support a cleaner roadway. This also reduces vehicle emissions.



### THE PARQ MOBILE APPLICATION

To enhance the user experience, The PARQ mobile application provides useful information and features for shoppers, visitors and office workers, such as promotions & events, store directory, indoor navigation, available parking lots, real-time traffic, QR code for building entry, lift calling, smart lighting control for office tenants and real-time air quality index. And many more features to come.

