

Smart Parking and Charging



Complete end-to-end Internet of Things (IoT) solution to drive mobility services

The electric vehicle market growth is gaining pace as city drivers are reaping the benefits of electronic driving. The uptake of electric vehicles brings enormous growth potential to various businesses within the ecosystem.

Combining outstanding delivery capability with industry expertise, PCCW Solutions has developed Smart Parking and Charging solution on the world-class Infinitum™ IoT platform that enables shopping malls, commercial and residential

buildings, as well as telecommunication and public utility companies to deliver seamless experience to the modern drivers and capitalize on business opportunities.

The solution is designed from ground-up to be modular yet integrated, and interoperable. Operators with existing automotive infrastructure could expand their scope of services by simply integrating the automotive APIs without the need to completely overhaul their technology stack.

The Smart Parking and Charging solution consists of four major components:



Availability

Reservation

Navigation

Payment / Offers



Smart Parking

Sensors & Gates

Occupancy Management

Access Control

Meter & Charging



Smart Charging

Charging Stations

Service Provisioning

Access Control

Meter & Charging



Customer Management

Sales

Service

Billing

Marketing



Mobile App

- Enable drivers to locate and reserve parking and charging facilities in real-time
- Navigate to the desired location
- Propose alternative nearest options and routes
- Provide option to select preferred online payment methods, and pay seamlessly



Smart Parking

- Provide sensors, gates, access control and occupancy management
- Enable parking facility operators to monitor and optimize occupancy in real-time, allowing them to increase utilization, improve efficiency and unlock new revenue streams
- Environmentally friendly and enable operators to reap benefits from adopting corporate social responsibility



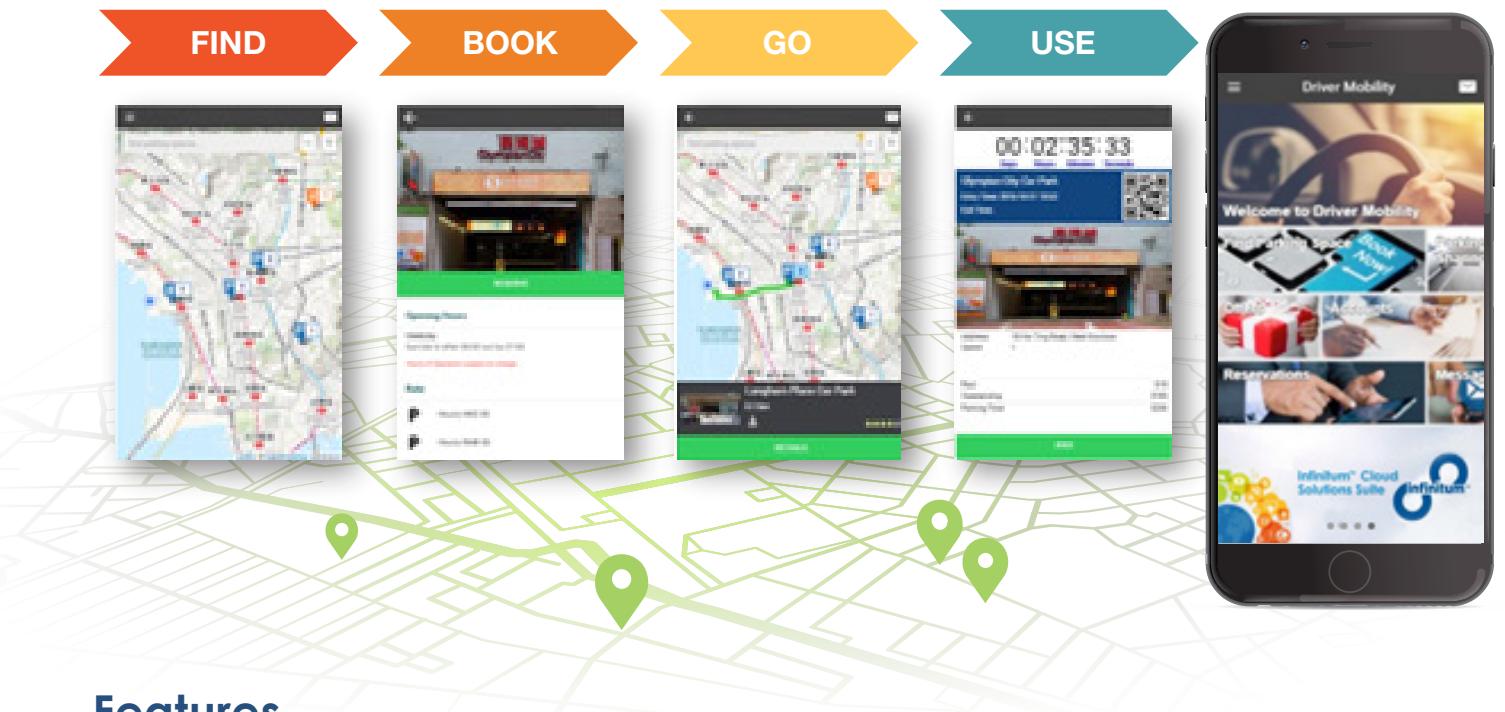
Smart Charging

- Provide charging station, service provisioning, metering and charging
- Provide notifications on the real-time status of actual charging
- Fast charging system compatible with industry standards, supporting multi-vendor charge stations
- Enable operators to remotely manage usage and billing under multiple subscriptions and charging models



Customer Management

- Provide sales report, marketing analysis and billing
- Provide operators visibility on customer behaviour through big-data analytics, enabling them to develop personalised promotions and propose value-added services to increase revenue and customer satisfaction
- Provide comprehensive support and customizable solutions from design, installation and management of the network infrastructure, security and access control

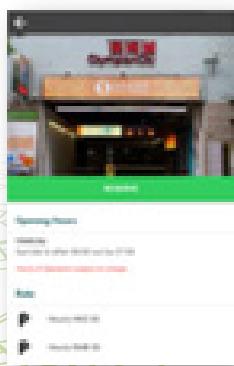
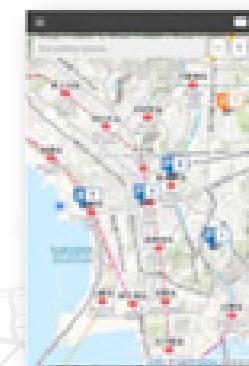


FIND

BOOK

GO

USE



Features



SMART PARKING

- Public, residential and commercial operations
- Cloud-enabled IoT sensors and reservation, support both indoor and outdoor parking facilities
- Integration with existing access control and metering systems
- Manage and optimize parking lot occupancy in real time
- Bay level reservation and access control
- Operator control center, dashboard and analytics
- Respond to a driver's remote input, controlling access to vacant parking spaces



SMART CHARGING

- Multi-vendor charge stations with support for OCPP standard
- Subscription and per-usage charging models
- Remote status monitoring via mobile or web app
- Operator control center, dashboard and analytics
- Payment via smart card or NFC enabled bank card
- Integration with CRM systems for subscription sales and billing
- Integration with Smart Parking for parking bay access control



MOBILITY APP

- View location and availability of parking and charging spaces across multiple sites run by various operators
- Search and reserve parking and space
- Routing and navigation to nearest available and reserved space
- Monitor parking and charging status
- Make online payment
- Receive offers and discounts

About PCCW Solutions

PCCW Solutions is a leading IT services company in Hong Kong and mainland China. We adopt the latest technology to help clients create business value and success in the ever-changing economic environment. We offer a wide range of services including digital solutions, IT and business process outsourcing, cloud computing, system development and solutions integration, data center hosting and managed services, e-commerce and IoT solutions. PCCW Solutions is committed to meeting customer needs to help them achieve business goals and transform digitally.