SKIDATA®
KUDELSKI GROUP

SkiData Smart Parking Solutions:
The Key to Modern Urban Mobility

let´s
welcome
Austrian Technology Days

SKIDATA – The Global Leader in Access & Revenue Management

HQ located at Salzburg, Austria. For more than 45 years, we change the world of welcoming people – for you and with you. We are more than just a supplier. We are your partner and advisor.

SKIDATA | Access to Mountains, Events and Parking

80% of ski days per year are managed by SKIDATA solutions. 30,000 ski tickets sold per hour via SKIDATA systems.

Products are used in more than 200 stadiums including 50% of all Euro and World Cup stadiums.

Over 10,000 installations in 100 countries. Biggest airports and car parks in the world are using SKIDATA systems.

SKIDATA Company Milestones
- Expertise for Over 45 years and 100 Countries

1977 — Founding year: SKIDATA develops the first cash regis-ter and printed ski tickets

1987 — Installation of first parking systems.

1987 — keycard®: first hands-free ski tickets based on RFID technology

1989 — World-first entry and payment with CC at the parking column

1991 — SKIDATA expands its portfolio to include fairs, attractions and stadiums

2001 — Kudelski Group acquires SKIDATA

2017 — sweb® Platform: cloud-based system architectu-re is introduced

2019 — The 26th subsidiary is formed in Portugal

NAGRA
KUDELSKI GROUP

SKIDATA Deutschland GmbH
Altdorf • Germany

SKIDATA Scandinavia AB
Kil • Sweden

SKIDATA Austria GmbH
Grödig • Austria

SKIDATA (RU) OOO
Moscow • Russia

SKIDATA B.V.
Barendrecht • Netherlands

SKIDATA GmbH Headquarters
Grödig • Austria

SKIDATA SA/NV
Zaventem • Belgium

APT SKIDATA LTD
Hemel Hempstead • UK

SKIDATA Ireland Limited
Lisburn • UK

SKIDATA (Schweiz) AG
Altdorf • Switzerland

SKIDATATRENDS, LDA
Lisbon • Portugal

SKIDATA, Inc.
Los Angeles • USA

SKIDATA Iberica SL
Madrid • Spain

SKIDATA France SAS
Montmelian • France

SKIDATA KK
Tokyo • Japan

Cytel (Shanghai) Ltd
Shanghai • China

SKIDATA Parking Systems Ltd.
Hong Kong • China

SKIDATA Malaysia Sdn Bhd
Kuala Lumpur • Malaysia

SKIDATA ACCESS AND REVENUE MANAGEMENT SOLUTIONS MEXICO, S.A.P.I. DE C.V.
Monterrey • Mexico

SD (India) Private Ltd.
Mumbai • India

SKIDATA SRL
Bologna • Italy

SKIDATA Middle East LLC
Dubai • UAE

SKIDATA Service Tunisia SARL
Tunis • Tunisia

SKIDATA Technologies Bangalore Pty. Ltd.
Bangalore • India

SKIDATA bilişim ve TIC LTD ŞTI
Istanbul • Turkey

SKIDATA Soluções e Serviços em Tecnologia Ltda
São Paulo • Brazil

SKIDATA South Africa (PTY) Ltd
Johannesburg • South Africa

SKIDATA Uruguay S.A.
Montevideo • Uruguay

SKIDATA Australasia Pty Ltd
Melbourne • Australia

SKIDATA Chile SpA
Santiago • Chile

- SKIDATA Headquarters
- SKIDATA Subsidiary Head Offices
- SKIDATA Joint Ventures
- Distributors
- SKIDATA Locations
- Installations

SKIDATA Parking Systems Limited (HK)

Established 1998

ISO 9001
ISO 14001
ISO 45001
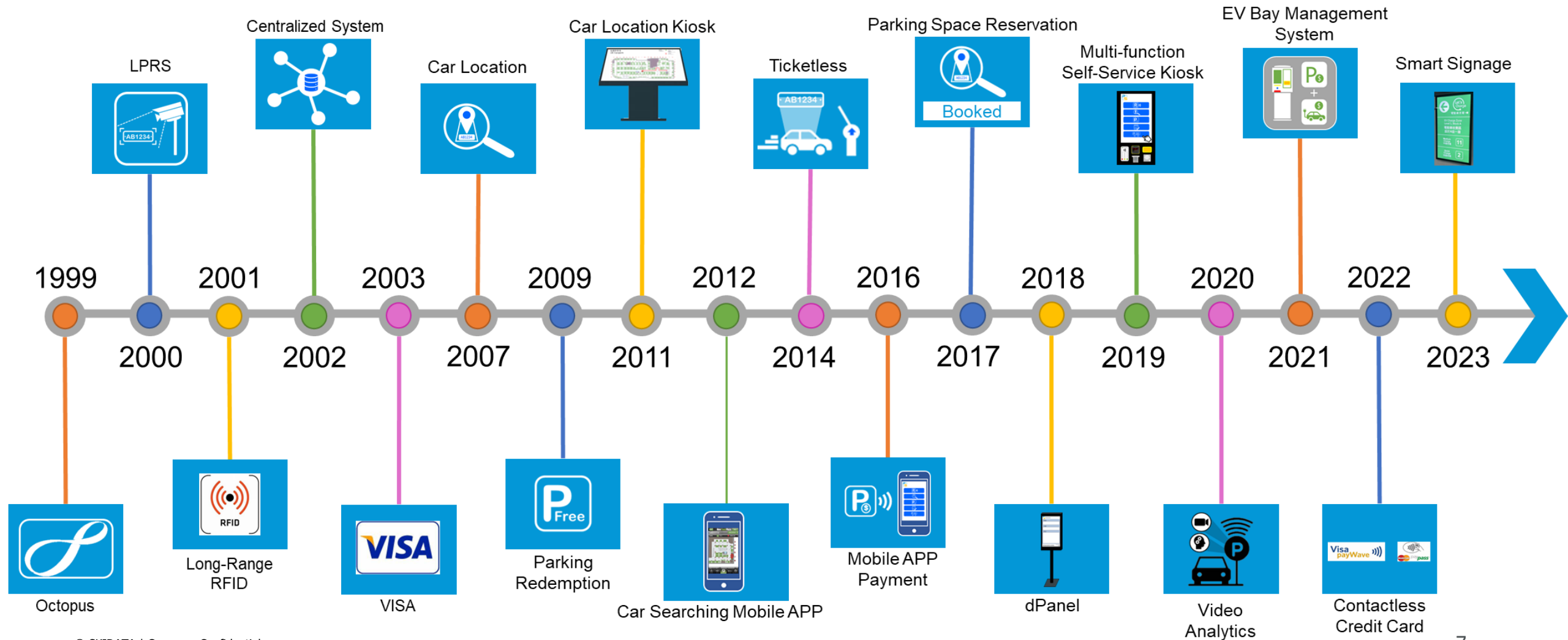**ISO 27001**

70+

Our Major Business Areas

Car Access

People Access

300+ Installations
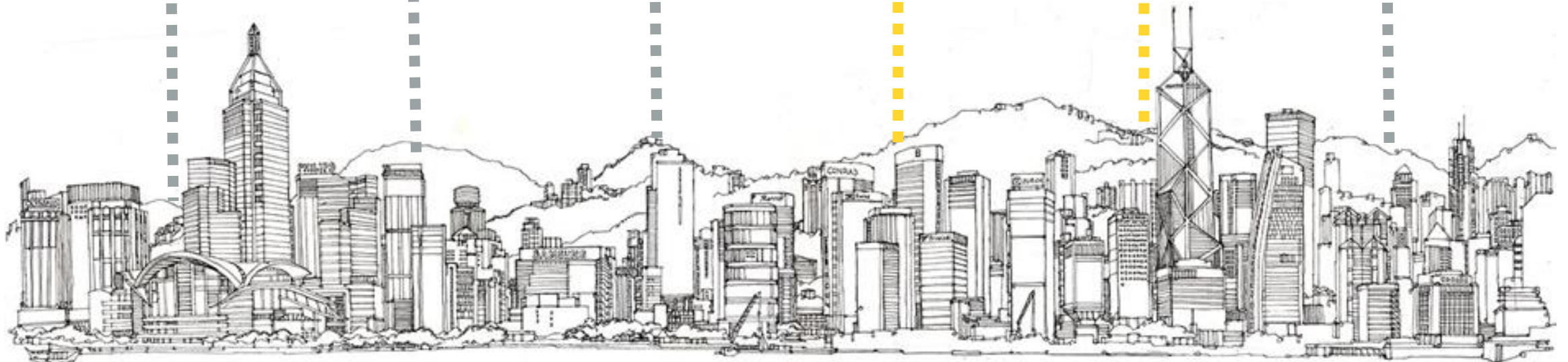
Our Major Clients

Our Development History

Timeline:

- **LPRS** — 1999/2000
- **Centralized System** — 2002
- **Car Location** — 2007
- **Car Location Kiosk** — 2009
- **Ticketless** — 2014
- **Parking Space Reservation** (Booked) — 2016/2017
- **Multi-function Self-Service Kiosk** — 2018/2019
- **EV Bay Management System** — 2020
- **Smart Signage** — 2022/2023

- **Octopus** — 1999
- **Long-Range RFID** — 2001
- **VISA** — 2003
- **Parking Redemption** (PFree) — 2009
- **Car Searching Mobile APP** — 2011
- **Mobile APP Payment** — 2014
- **dPanel** — 2018
- **Video Analytics** — 2020
- **Contactless Credit Card** — 2021

Timeline years: 1999, 2000, 2001, 2002, 2003, 2007, 2009, 2011, 2012, 2014, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023

Leading in Online Services and E-Payment Solutions

SHKP MALLS APP

WP iMonthly
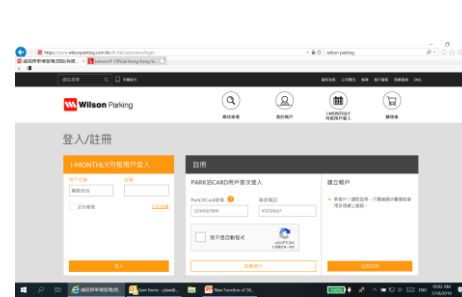
WP APP
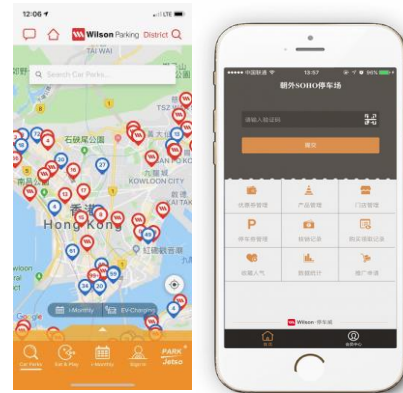
Car Search and Available Bays

HKIA Pre-book and Online Payment
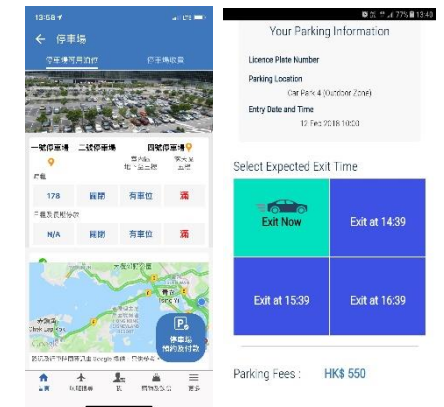
SkiData E-Payment Solutions

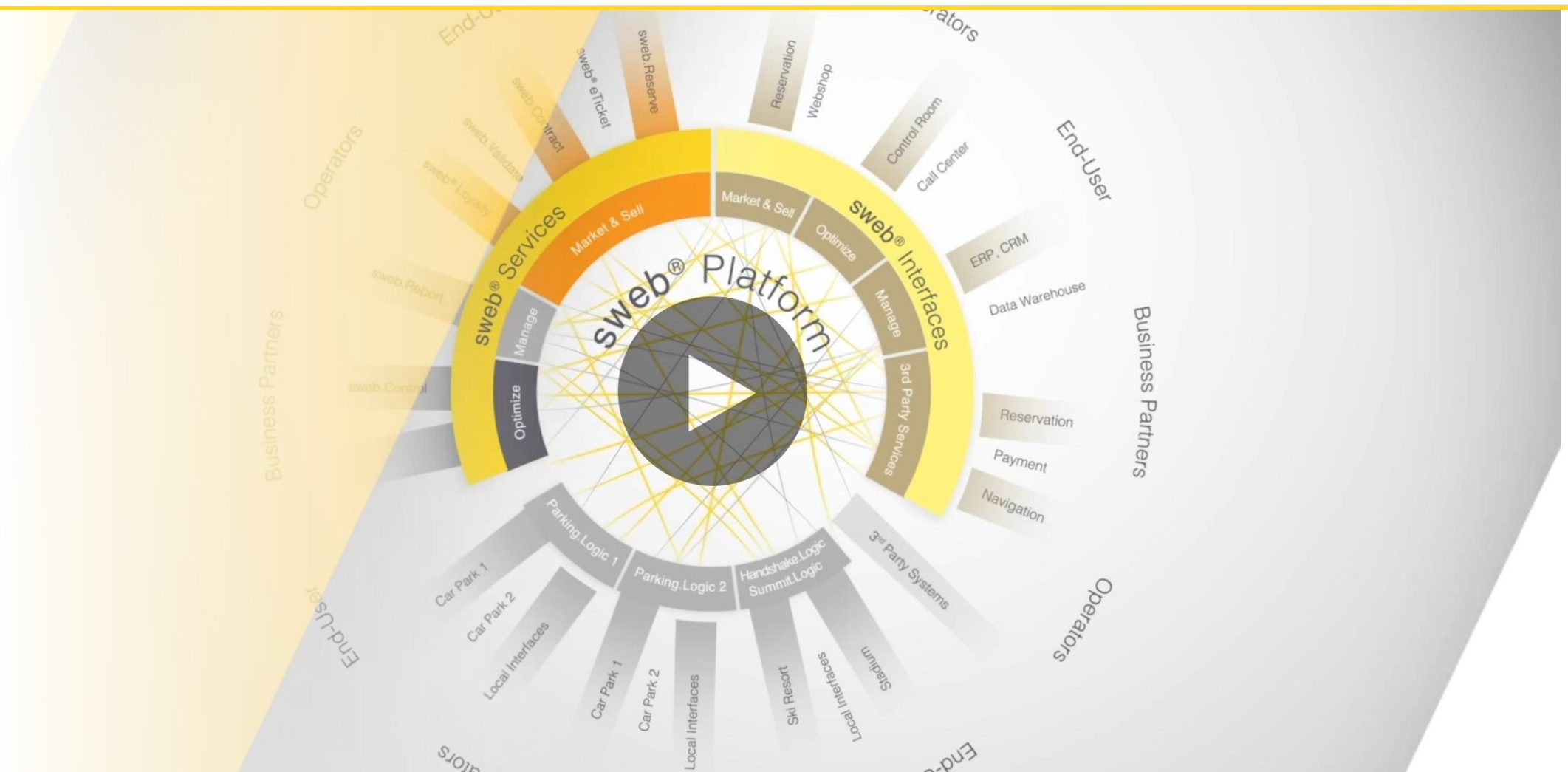# SkiData Smart Parking Solutions

Smart Parking Journey

Big data / Reporting

Smart routing/alert

Online pre-booking /Dynamic allocation of parking bays for short-term and long-term parking

Car park booking
Private Car
Reserve

Ticketless exit / Auto-payment with e-receipt

·AB1234·

Ticketless entry with smart display for parking and vacancy information

·AB1234·

Bay guidance for indoor and outdoor car parks

BAYS AVAILABLE 36 11

Payment, car finding and redemption of special rate via online / multi-function kiosk

HKG My Flight mobile app

Architecture of our Smart Parking System

Hourly Bay Nos.

Search Car Location

Pre-book

Payment

Redeem Free Parking

Electronic receipt

Parking Transaction Log (time/payment)

Available bay Info

Parking Fee Info

Data Analysis

Transport Planning

Other APP / Backend Integration

Mobile APP / Website for Drivers

Car Searching System

Internet

Car Park System Server

Mobile APP for Car Park Operator

Field Equipment

Rate Management

Customized Reports

Traffic Analysis

System Control

Revenue Data

System Admin.

Car Park System

LPRS

Redemption & Reporting System

PGS and Car Search

Wireless Parking Bay Sensor

Bay Guidance Signage and Vacancy Display

Multifunction Kiosk

APM

EV Charger

Smart Signage

Online Cloud Services
SKIDATA sweb® Platform

Video Analytics for Vehicle Features and Bay Occupancy Detection
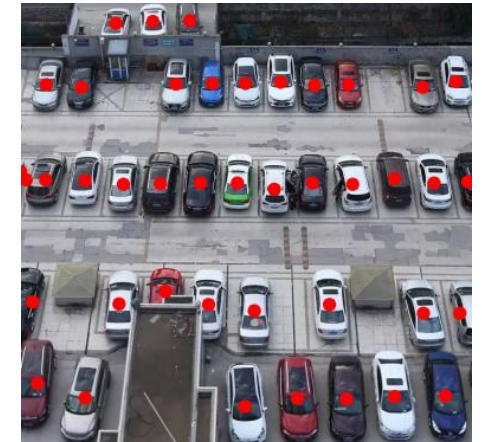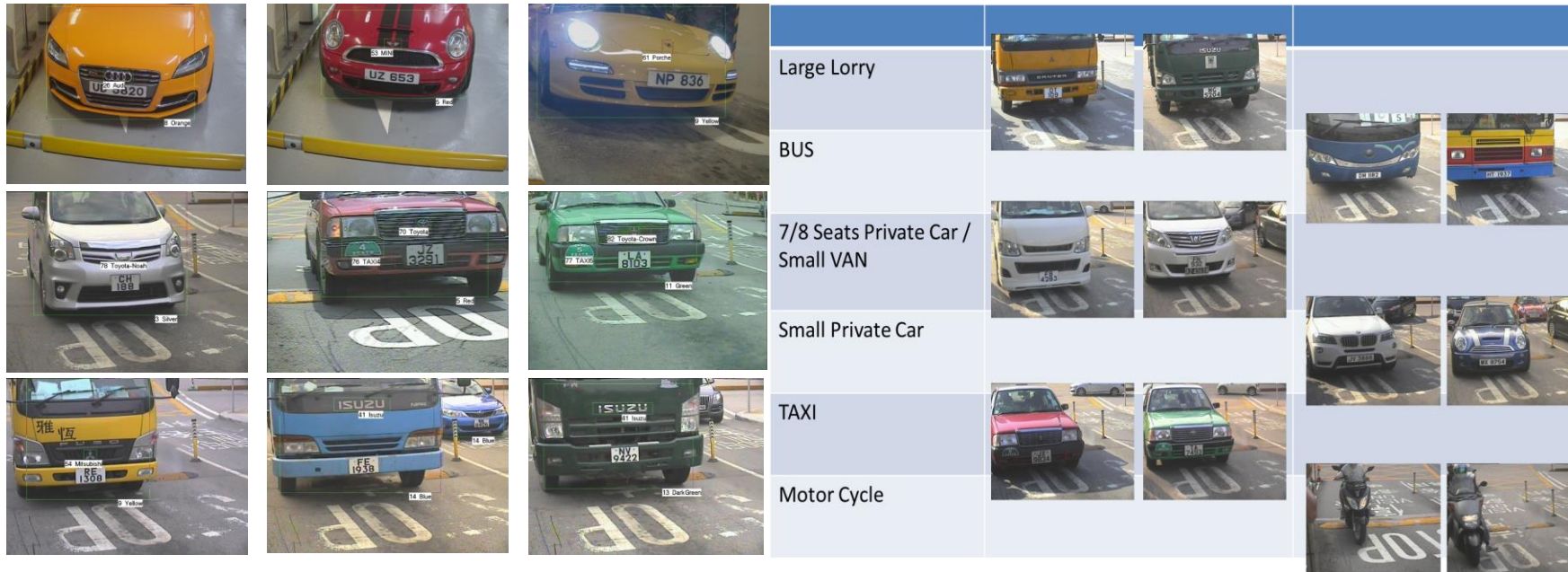
License Plate, Vehicle Brand & Colour Recognition

Vehicle Classification Detection

Parking Bay Occupancy Detection

Video Analytics for Parking Bay Monitoring
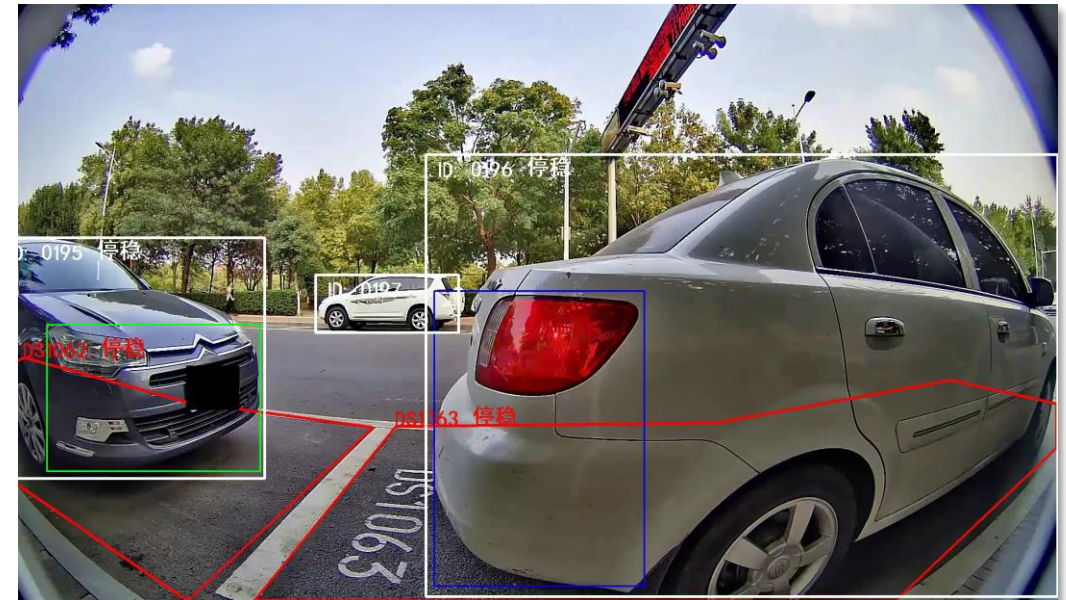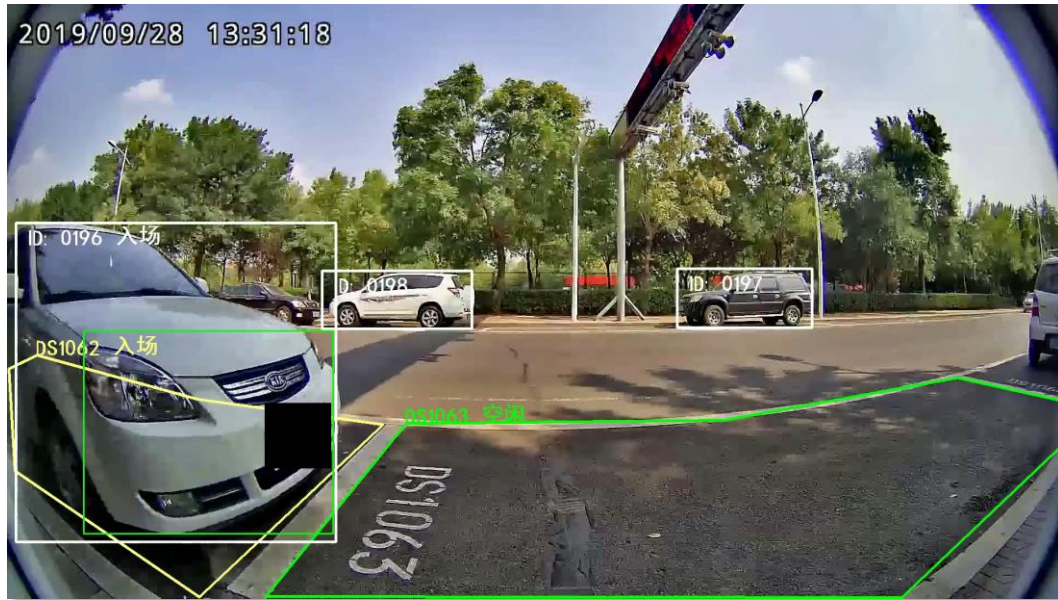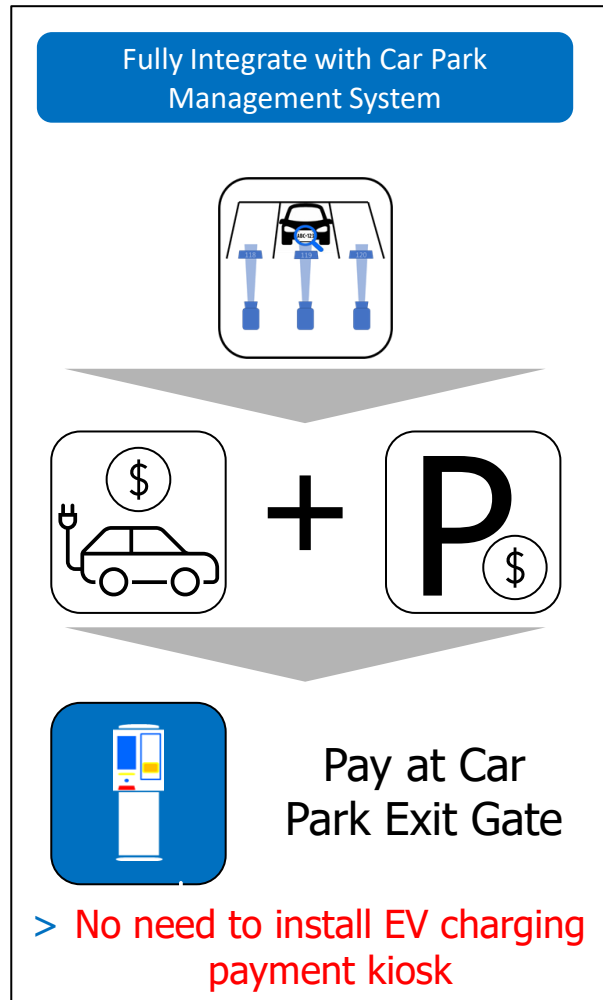
Video Analytics for EV Bay Management System

1. Recognise Vehicles Features:
   - Car Plate Number
   - Car Brand
   - Car Colour
   - Car Type

2. Purposes:
   - Big data for future analysis
   - Special promotion for specific car brand
   - Enforcement of EV bay

EV Bay Management System

Fully Integrate with Car Park Management System

Pay at Car Park Exit Gate

> No need to install EV charging payment kiosk

01 停車場入口
設智能車牌識別系統，高效辨識車牌及車種。
→ 01

02 泊車指引系統
自動指引電動車往充電區、實時顯示尚餘充電車位數目。
02

03 電動車充電區
充電車位設智能車牌識別系統，準確辨識車牌、停車時間及準確計算電動車位附加費。減少充電車位被佔用的情況，提升充電車位流轉量。

04 停車場出口
智能車牌識別系統讀取車牌、自動計算時租及充電區附加費，駕駛者只需一次過以八達通/信用卡繳費即可。
→ 04

1. Park and Charge, no need to install Payment kiosk

2. Freely configurable tariff (charging time or power consumption)

3. Monitor EV bay occupancy

4. Charge is possible, while using or not using the charger.

5. Fully integrated with car park control system, online payment or pay at exit with Octopus/Credit card

Smart Signage
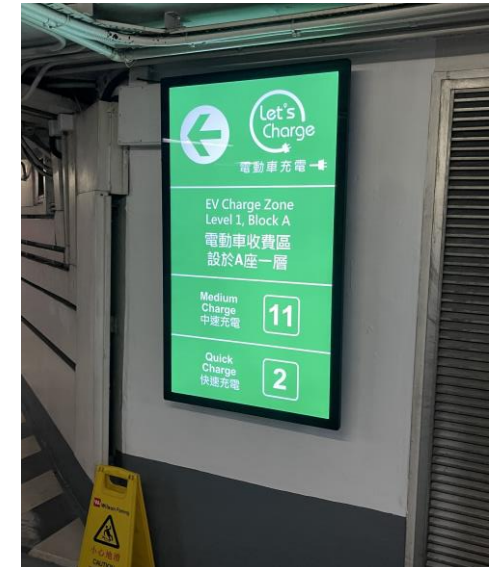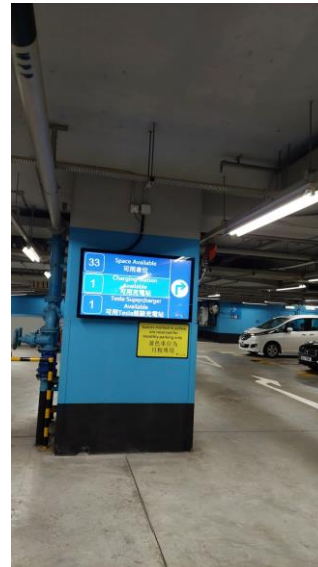
- Dynamic content

- Customizable layout design

- Real-time and interactive data from Internet (e.g. traffic condition and weather information)

- Special available bay information (e.g. EV, monthly, disabled and etc.)

Automatic Redemption Solutions

1.
請將收據放置於螢幕下方的指定空格中。
Please place the receipt in the designated space below the screen.
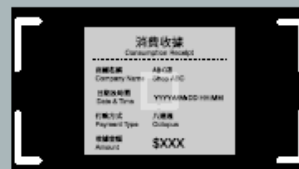
3.
在鏡頭成功對焦收據後，請按下螢幕上的拍照按鍵。
Once the camera successfully focuses on the receipt, please press the capture button on the screen.

2.
請確保收據的正面朝上，且未摺疊。
Ensure that the front side of the receipt is facing up and is not folded.

4.
請等待收據照片處理。
Please wait for the receipt photo to be processed.

5.
確認收據資料正確後，按"繼續"兌換免費泊車優惠。
Once the receipt data is confirmed to be correct, press "Continue" to redeem the free parking hour(s) explanation.

we change
the world of welcoming people