Revenue Collection Systems

Company Overview

october 2024

Our vision is to make tomorrow's passengers' life easier - TODAY

We **simplify payment** and build a **more sustainable mobility accessible to all**

As **local teams** of **empowered experts** we deliver **enduring** and **agile solutions globally**

We **collaborate** with the domain **ecosystem**

Public trends and expectations in Mobility

6.6 billion
smartphone users worldwide

55%
of the world's population live in **urban areas**

Sustainable Mobility
towards
less pollution &
less congestion

Digital is
transforming mobility

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High performance for seamless mobility

Smartphone Users

Meet Environment & Societal Needs

Improve Operations & Reduce Infrastructure Costs

Generate New Sources of Revenue

Meet New Regulations

HITACHI
Inspire the Next

Digital Innovation Is Driving the Mobility Transition

LUMADA

Our Future is Digital

What we do:
- Cloud Native solutions
- Cyber & Banking standards
- AI progressively leveraged

Who are we

What we do:
- Worldwide network of experts with local presence close to customers
- Ticketing & payment experts in 9 units
- History of more than 40 years
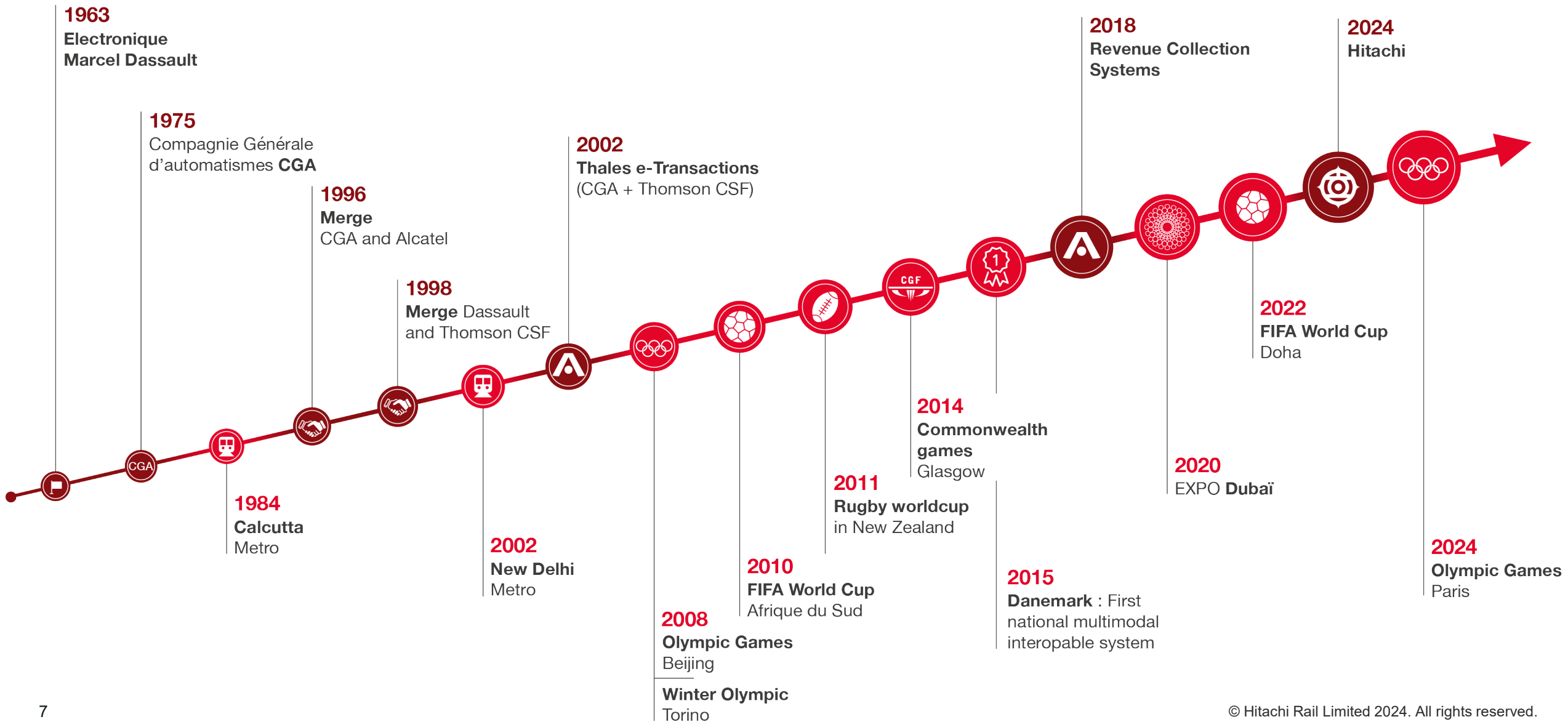
Key projects

What we do:
- Up to large & complex Design&Build multi-modal Mobility projects
- Thru-live services up to managed-services

Tomorrow's Mobility is Multi-modal and Passenger-centric

Revenue Collection Systems - Company history

1963
Electronique
Marcel Dassault

1975
Compagnie Générale
d'automatismes **CGA**

1996
Merge
CGA and Alcatel

2002
Thales e-Transactions
(CGA + Thomson CSF)

2018
**Revenue Collection
Systems**

2024
Hitachi

1998
Merge Dassault
and Thomson CSF

2022
FIFA World Cup
Doha

1984
Calcutta
Metro

2002
New Delhi
Metro

2014
**Commonwealth
games**
Glasgow

2011
Rugby worldcup
in New Zealand

2020
EXPO **Dubaï**

2010
FIFA World Cup
Afrique du Sud

2015
Danemark : First
national multimodal
interopable system

2008
Olympic Games
Beijing

Winter Olympic
Torino

2024
Olympic Games
Paris

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Revenue Collection Systems – Global Customer-base

TIER#1 TICKETING SUPPLIERS WORDWIDE (in excess of 100 Millions transactions daily)
TIER#1 PARKING SUPPLIER IN FRANCE

Grand Paris
Ticketing contract

Netherlands
Multi-operator EMV nationwide roll-out
NS SLA 8 years contract
New GVB station Zuid
Qbuzz x000 EMV validators

Denmark
Operations & Variation Orders

Cairo
Maintenance of all metro lines
Metro Line 4

Alexandria
Abu Qir Metro line

Bangkok
EMV in Transit

Hong Kong
Maintenance for 6 Metro lines
EMV & QR code payment updates for tramways

Santo Domingo
New Badk-Office Ticketing contract

Parking in France
Charles de Gaule Aiport
Paris Train Stations (e.g. Montaparnasse)
Numerous Cities in France
Including Mont St Michel

Dubai
Road 2020, Maintenance contract

Europe's Rail

Taipei
EMV and QR code payment on gates

Singapore
Gate replacement

Mexico
Gates & Ticketing back-office for Mexico-Toluca Train

Guatemala
New tolling system

Dakar
TER inauguration

Delhi
Gates upgrade & delivery
with EMV/NCMC acceptance

Jakarta
MaaS ABT ticketing platform

Auckland
EMV in Auckland
Renewal of operations & maintenance (> 10 y)

With End to End expertise from Brownfield Migration Project to EMV and ABT Projects

Digital Innovation Is Driving the Mobility Transition

LUMADA

Transport Network
Fare Management
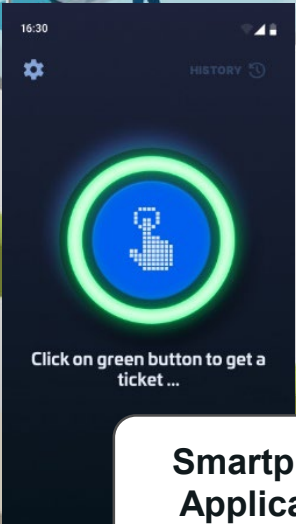
Parking & Traffic Management

City & Road **Tolling**

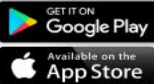# WiLiX – RCS car park solution

Car park is where the journey starts

HITACHI
Inspire the Next

Way out

Secured car park area

Supervision and management

Payment

ANPR

FA·235·FA

Entry and ticket delivery

Card reader

Smartphone Application

16:30

HISTORY

Click on green button to get a ticket ...

Ecotick Mobile Application for Digital Parking Ticket

Car park devices

**WiLiX car
Park server**
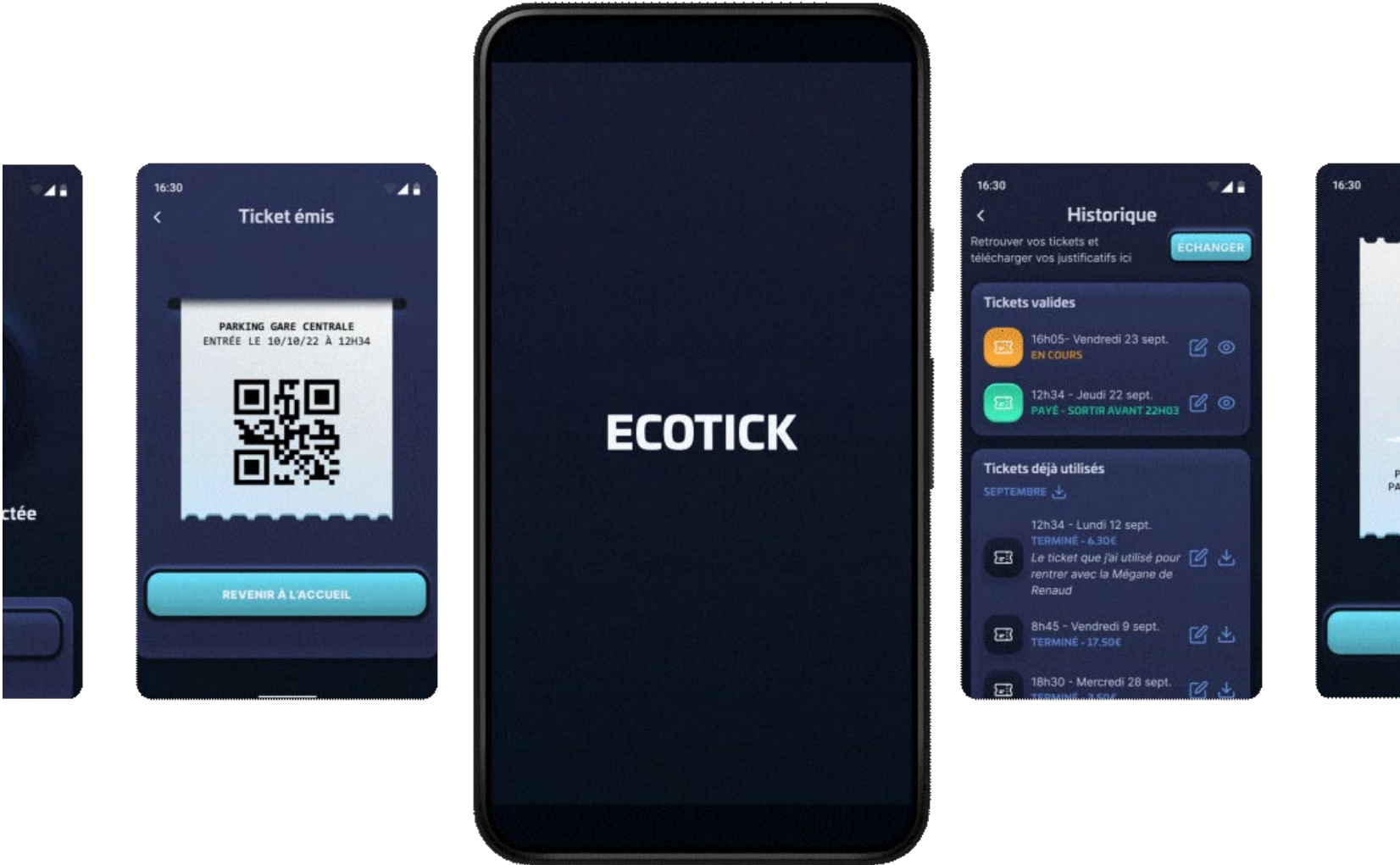
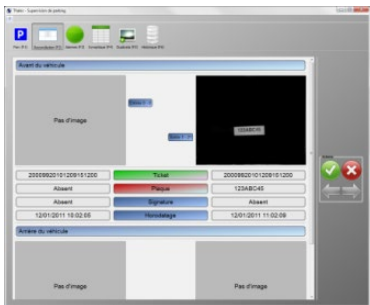| Cashier	Entry device	Exit device	Reader

Parking & Traffic Management
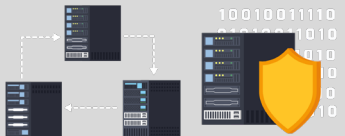
Car Park Architecture

WiLiX™ and ANPR server

Operator interface

Local network

Devices in the car parks

Fare Media

Paris airports

PARIS **CDG** « Charles De Gaulle »

- •**33000** vehicles capacity
- • **9** networked car parks
- •**190** Entry, Exit devices & automatic cashiers

ORLY airport

- •**17000** vehicles capacity
- • **10** interconnected car parks LAN/WAN
- • **90** Entry and Exit device and automatic cashiers

Parking & Traffic Management

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WILIX™, THE CAR PARK MANAGEMENT PLATFORM

Aiports : Paris CDG & Orly, Bordeaux, Le Bourget, Nîmes, Pointe-à-Pitre, Nouméa, Alger,…

Public and private car parks: Paris, Monaco, Levallois-Perret, Lyon, Mont Saint-Michel, Cannes, Luxembourg, Genève, Tunis,…

stations: Paris, Cannes, Lyon La Part Dieu, Orléans, Poitiers, Rouen, Valence, Reims, Strasbourg,…

Commercial centers and exposition centers
VIPARIS, Aéroville, Créteil Soleil, Paris Nord, Cap 3000, Part Dieu Shopping Centers, Cergy 3 Fontaines, Luxembourg Cloche d'Or,…

Hospitals : CHU Grenoble, Le Chesnay, Hospices de Lyon, …

Park and ride: Gautrain, Dubaï, …

Parking & Traffic Management

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PLATE READING OPTIONS

The plate reading software manages doubtful cases. In the issue of a mismatch between entry and exit of the park, the server displays the 2 pictures so that the agent can decide.

The system can be configured to open the barrier at the license place recognition. The plate is used as an identifier and no ticket is required.
For subscribers, the plate number can be added in the customer database.
And for the other types of customers, the enter of the license plate number links the payment to the ID and the exit is triggered when reading the plate.

Parking & Traffic Management

Yield management

- **A price fixing method inherited from tourist booking world**

- **In service in the car park of Nîmes city**
  - Interactive payment device
  - Video displays at car park entries
  - Connected to Kowee® back office
  - Third party Kowee® fare engine

- **Prices can change up to once per hour**

- **The system supports up to 400 price combinations**