

Parking
technology

HUB

PARKING TECHNOLOGY

■ ZEAG

WELCOME TO THE HUB WORLD

Integrated, value-added solutions for parking systems

HUB Parking Technology is the FAAC Group Business Unit that develops, manufactures, installs and provides after-sales services for Parking Revenue Control Systems branded ZEAG, DATAPARK and FAAC. HUB Parking Technology delivers the flexibility, professional expertise and close personal service of a local company, together with all the capabilities, network and strength of a global player. Through its local subsidiaries and distributors, it is represented in North & South America, Europe, Africa, the Middle East, Asia and Australia. Over the years, the company has constantly innovated to develop state-of-the-art systems that make parking efficient for users as well as profitable and easy to manage for

operators. In the meantime, HUB Parking Technology has remained keenly focused on enhancing its technology differentiation and delivering integrated, value added solutions. With products developed around the world, bringing together knowledge from each market, HUB equipment is robust, reliable and designed for long term performance. HUB's local experts can plan and tailor your installation to satisfy all your requirements in a cost efficient way. We handle everything: Parking Systems, Intercom, License Plate Recognition, Variable Message Signs, and many other subsystems to deliver a total parking solution designed to meet your specific needs.



**Reliable
technology**

Parking is a key revenue generator and HUB Parking Technology helps maximize the opportunity by speeding up payment, reducing traffic bottlenecks, offering additional payment options, increasing security and reducing downtime.

The simple and versatile HUB software solution

JMS Janus Management System is HUB's Web based Parking Management System. This highly professional software solution allows you to manage multiple parking locations and different types of HUB equipment with the same easy and extremely intuitive user interface.

JMS is reliable, flexible, and perfectly adaptable; from the smallest installation, to the most

complex project with the highest traffic level. It is based on the valuable and long term experience that we gathered by partnering with our customers in their specific field of application, such as **Parking Operators, Airports, Municipalities, Shopping Malls, Hospitals, Universities, Hotels and Stadiums.**



The advantages of the first tile-based User Interface for Parking.

JMS is intuitive:

- **Easy to learn.** JMS offers a very intuitive and user-friendly interface with virtually zero learning curve.
- **Easy to use wherever you are.** Use the JMS Mobile App solution to control your business at any time and any place.
- **Streamline your operations.** JMS simplifies your system management and business processes.
- **Cost-effective.** JMS boosts operational performance and improves process efficiencies, optimizing your resources.

JMS is flexible:

- **Scalable.** Its cutting-edge architecture makes it highly configurable and adaptable, to meet specific business requirements.
- **Adaptable.** Multi-user, multi-car-park and multi-equipment, for easy and effective management.
- **Powerful analyses tool.** JMS provides flexible reports, wide

process control and real-time business performance visibility.

- **Strategic.** JMS integrates a professional Business Intelligence dashboard for structured data mining which enables you to have live deep statistical analysis into a drag-and-drop visual analytics environment. Complex and rich statistical analyses can be accessible and easy to understand for everybody, allowing the whole organization to make data-driven business decisions.
- **Quick.** JMS provides rapid access to data and information to improve customer satisfaction.

JMS is powerful and reliable:

- **Error-proof.** Designed with a fault resistant architecture.
- **Robust.** JMS allows strong user access controls and quick and easy setup of permissions levels.
- **Secure.** Encrypted protocols ensure data security.
- **Cloud ready.** JMS drives down IT costs and lowers your risk when you implement our Cloud option. We manage server backup, maintenance, and regular updates to offer you a stress free reliable service.

YOUR SPECIALIST WITH EFFECTIVE PARKING SYSTEM SOLUTIONS



Proven Return on Investment

For over 50 years ZEAG has historically been committed to providing its customers with effective parking system solutions which afford an increased competitive edge. The ZEAG product range has a reputation for system reliability and durability that lasts for decades. It is synonymous with a long-standing reputation for backwards compatibility. Combining several product generations within a single site is no challenge for the ZEAG product range. This means lower cost of maintenance, and less investments for upgrades or performance increase.

Scalability

ZEAG systems suit the smaller sized car parks with straight forward requirements as well as more demanding applications, where it can be scaled to provide a fully networked, online Management System with multi-site 'citywide' or 'countrywide' facilities, to satisfy high-end customer needs.

Reliability

Reliability is the essence of Swiss engineered products. The in-house developed ticket unit gives us the capability to process magnetic stripe or barcode tickets within the same device.

Backwards Compatibility

The ZEAG product provides continuity and compatibility with previous product ranges, making it possible to combine them in the same site.

Customizable

The product design is highly adaptable to meet customer's requirements. We can match your corporate identity colors, representing an individual appearance style in your car park by applying any RAL color you like to the housing and the front panel.



01

entry/exit & barriers



The future of parking is already here!

The modular design of the Entry, Exit and Section Control Stations within the ZEAG product range provides a high level of flexibility to control access to the parking facility. Renowned for long-term reliability, easy service accessibility and minimal maintenance requirements offers you a low cost of ownership. Tickets can be magnetically coded or barcode based, coupled with a Swiss engineered ticket unit device. Our parking barriers, HUB Parking Pro, not only offers fast opening times, long life cycle, reliability and quality, but they amaze with extraordinary design and low operational costs.

■ ID Technology

Transient and Contract parkers can benefit from Magnetic or Barcode ticket technology. The System also supports complex needs like Congress tickets, Event Parking, Visitor tickets, limited number of Entries or entry for a limited time, Value Cards and Pool Cards. Wide

flexibility is also guaranteed with Credit Card In/Out, Long and Short RFID technology and License Plate Recognition. Other advanced functions supported are related to pre-booking and pre-payment of parking service, and online and offline operations support, TCP/IP-RS485 or RS422 communication.

■ Durability

Ticket unit is a masterpiece of Swiss engineering, with fast handling and high performance. Equipment is made with stainless steel, providing long lifetime but also a modern design. Special Ocean treatment can be provided as an option. Customization is available, to match your corporate colors and present your individual style to your customers.

■ Easy Maintenance and Service

Internal components are easy to access, with minimal maintenance required without the use of special tools.



01 entry/exit & barriers



base configuration

LANE ENTRY

- Stainless steel cabinet
- Multilingual high contrast LCD display
- UCD ticket issuing unit for magnetic stripe or barcode tickets
- LED illuminated user guidance
- PCX control Board
- Heater and cooling fan with thermostat
- Security Key Lock

LANE EXIT

- Stainless steel cabinet
- Multilingual high contrast LCD display
- Read/Write ticket unit for magnetic stripe or barcode tickets
- LED illuminated user guidance
- PCX control board
- Heater and cooling fan with thermostat
- Collection bin for used tickets
- Security Key Lock

options

- 10.4" color display touch-screen with graphical animation
- Contract parkers: 3rd party contactless proximity, hands free long range (AVI) readers or license plate recognition.
- 1D or 2D Barcode scanner
- VOIP Intercom
- Chip & PIN module or magnetic stripe credit card payment at exit (country specific)
- Credit In/Credit Out with Chip & PIN or magnetic stripe credit card (country specific)
- Thermal paper receipt printer
- Sea/ Ocean special protective treatment



02

automated pay stations



Make parking a positive experience

From a standard version all the way to a fully equipped payment station, to satisfy your needs and budget. A huge variety of options means easy upgrade or retrofit, to extend the features offered as and when required.

Pay stations are available in three configurations:

- Automatic Pay Station featuring coin & bill acceptance, credit & debit card payment. Available for magnetic stripe or Chip & PIN cards.
- Cashless pay station - payment by credit, debit, and prepaid cards. Available for magnetic stripe or Chip & PIN cards.
- Pay-in-Lane version for payment at the exit lane.

▪ Easy to Use

Easy to use, with illuminated navigation to assist the payment process, along with customer guidance on the touch-screen display. Wide support for multiple languages. An additional 12" screen is available to display visual messages, advertising, general rules of the parking area. Many payment options are available:

coins, notes, credit card, vouchers and discount tickets. Change can be given in Coins or notes. Receipt issue is optional and can be customized with different layouts and data.

▪ Robust / Security

Enhanced security with a Stainless Steel cabinet, with robust locking mechanism and hinges. Access to coins and notes is protected by three different levels of security: main door, with mechanical key and function card, locked safe boxes external and internal with mechanical keys.

▪ Flexibility / Variety of Options

A variety of options is available, allowing you to match your corporate colors and your individual style. Payment options can be adapted to your needs, with many combinations of notes, acceptors and dispensers, recycling capability, coin units with different performance and capacity.



02

automated pay stations



ZEAG APS

ZEAG APC

ZEAG APL

base configuration

AUTOMATED PAY STATION

- Stainless steel cabinet
- Multilingual high contrast LCD display
- Read/Write ticket unit for magnetic stripe or barcode tickets
- Self-refilling coin processing system with coin safe
- Bill validator and stacker safe (600 bills)

AUTOMATED PAY STATION CASHLESS

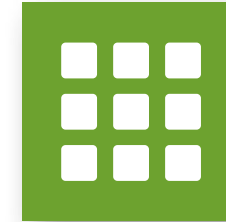
- Stainless steel cabinet
- Multilingual high contrast LCD display
- Read/Write ticket unit for magnetic stripe or barcode tickets
- Chip&PIN credit card reader

AUTOMATED PAY STATION IN LANE

- Stainless steel cabinet
- 10.4" color TFT display and touch screen
- Read/Write ticket unit for magnetic stripe or barcode tickets
- Self-refilling coin processing system with coin safe
- Bill validator and stacker safe (600 bills)

options

- Recycling coin unit RCU6
- Bill-to-Bill banknote recycling device, bill acceptor, bill dispenser
- 10.4" color display touch screen
- 12" Media Screen
- Variety of plinth sizes
- Chip & PIN module or magnetic stripe credit card (country specific)
- Proximity reader
- 1D or 2D Barcode scanner
- VOIP Intercom
- Sea/ Ocean special protective treatment
- Door open sensor and magnetic lock



fee computer

User-friendly

Highly intuitive Graphical User Interface allows cashiers to learn how to use the fee computer quickly - cuts down training time.

Modern design

Large and colorful touch-screen with function buttons to reduce cashier errors.



Process speed

Capable of processing the payment in a fast and logical manner to keep the transaction time short.

VALIDATION SOLUTIONS PORTFOLIO

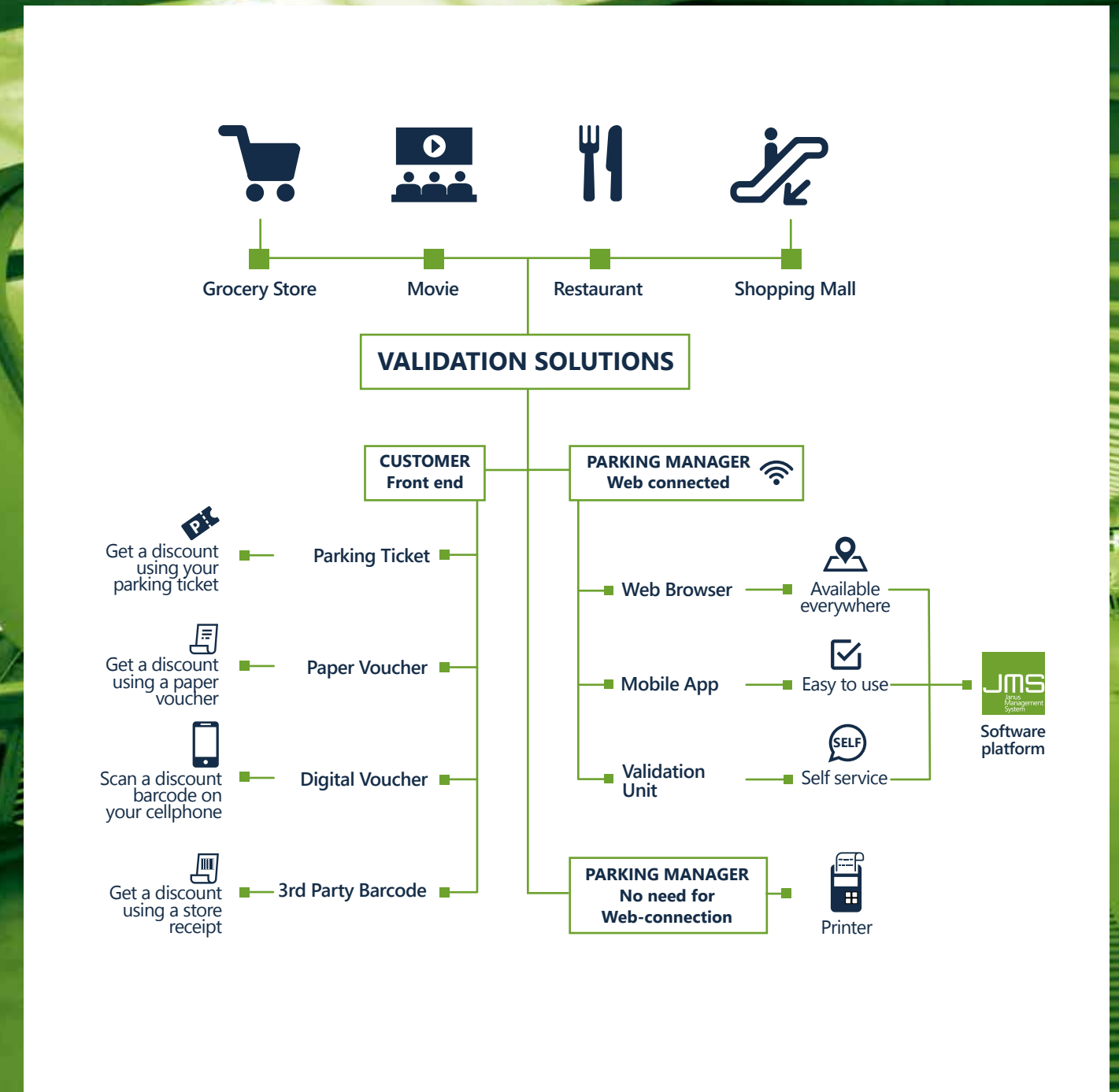
Easy-to-use solutions to promote business & customer loyalty

Many retail stores, supermarkets, cinemas, shops, restaurants, etc. offer discounted parking to promote their businesses and increase customer loyalty.

The ZEAG system provides two simple and reliable solutions to allow operators to offer these discounts or validations in car parks:

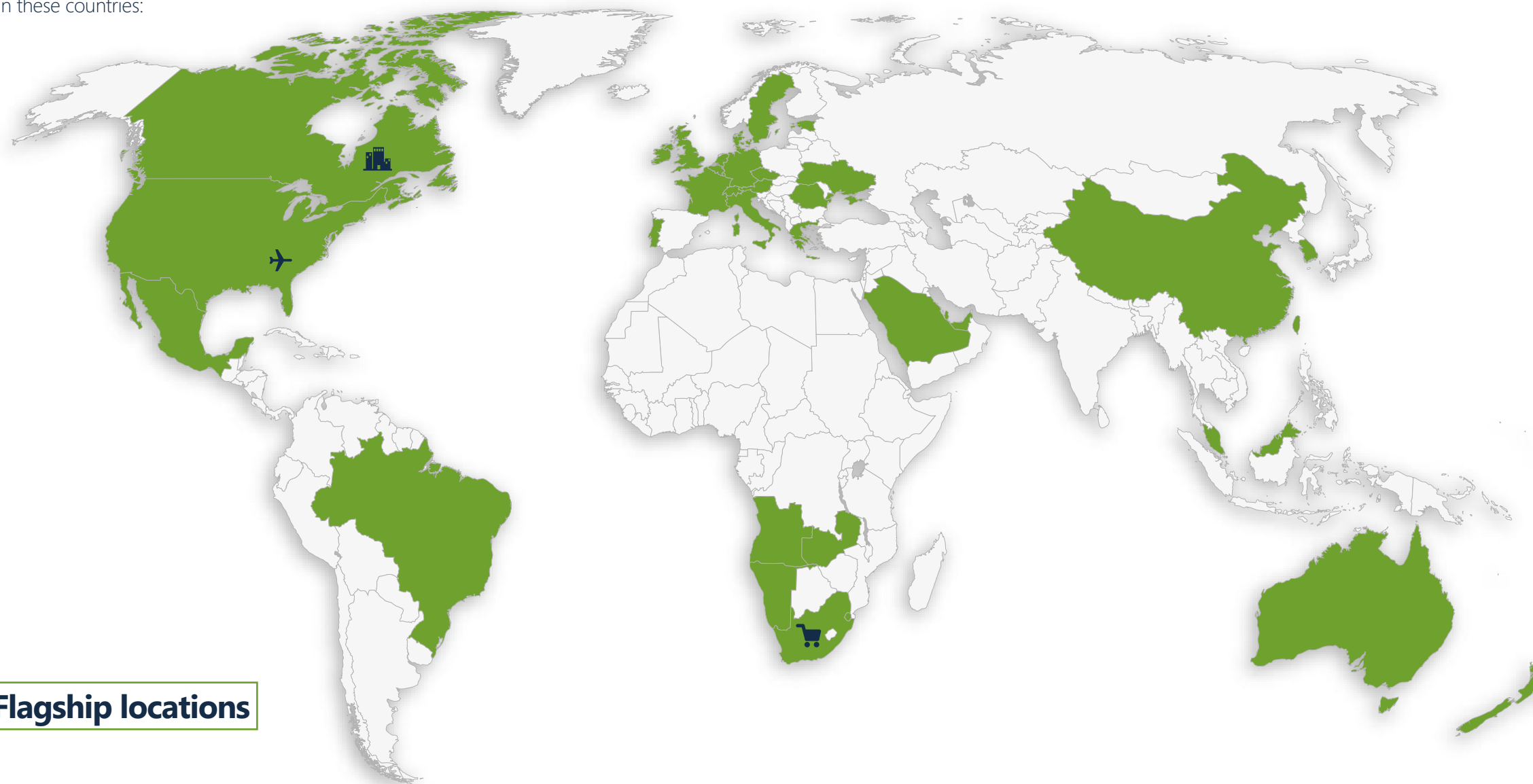
- on-line - electronic validation of entry ticket
- off-line - barcode discount voucher (printed or digital)

When paying for parking at a Fee Computer or automatic pay station, the voucher is presented to claim the discount. The number and value of discounts given are audited and a management report prepared to allow the car park operator to be able to charge back the discounted amount to the business issuing the deduction.



Geographical footprint

ZEAG has designed and installed parking system in these countries:



Flagship locations



One of the largest parking operators in North America

- More than 400 peripherals with the largest parking operator in Canada, **Toronto Parking Authority**

- ZEAG is a long time TPA partner in complexity, efficiency and reliability, controlling 43 different locations with a unique management system network



The busiest Airport in the world

- Hartsfield–Jackson **Atlanta International Airport** has been the world's busiest airport every year since 2000

- 100 million passengers (more than 270,000 passengers daily) and 1 million flights



The n° 1 Shopping Mall in Africa Continent

- Gateway Theatre of Shopping, **Umlanga Centre Durban**, voted best shopping centre in South Africa 2014 & 2015

- Over 400 stores, 70 eateries and a host of exciting entertainment

Zeag complexity

- More than 50 years of experience in the parking industry
- An exceptional durability and backwards compatibility
- From a simple carpark to complex systems
- A long-standing reputation
- An essence of Swiss engineered products blended with Italian style and creativity

Timeline

- 1971**
Creation of ZEAG by Zuhlke Engineering AG
- 1974**
Foundation of ZEAG Systems Ltd
- 1993**
Foundation of PES South Africa (became ZEAG SA in 2002)
- 1999**
ZEAG introduces Orion product range
Foundation of Zeag Canada
- 2003**
Hallmark acquires ZEAG and merges it with PES Ltd
- 2008**
ZEAG introduces Orion XR product range
- 2011**
ZEAG group acquired by FAAC SpA
- 2013**
HUB Parking Technology became the new name for the FAAC Parking Business Unit



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