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## Dear colleagues,

The European Parking Industry is holding its 20<sup>th</sup> International Congress and Exhibition in the City of Brussels in September this year. The title of the Congress is The EU Green Deal and the future of Parking – Integrated solutions for dynamic urban management.

One of the important aims is to further engage in dialogue with the members of the European Parliament and the Commissions to contribute to the urban mobility transformations planned in the coming years.

Back in the years 2007 and 2008 the European Commission wrote the Green Book and, independently of EPA's efforts at the time, parking was not mentioned in the document. Siim Kallas, the EU Vice President and Transport Commissioner in his opening speech at the 15<sup>th</sup> EPA Congress in 2011, clearly commented on the key role of parking management as a tool in regulating the overall mobility demand. The presence of Siim Kallas indicated a turning point in the political awareness about the potential contribution of our sector. Today we have many documents that state the important role of parking: the recent edition of the Park4Sump document, Parking and Sustainable Urban Mobility and several research projects have been co-financed by "Intelligent Energy-Europe" on parking and the Push & Pull study is another example.

The new mobility scenario in the post pandemic period has indeed changed the parking paradigm, but our service sector, that has been operative both on and off street for more than forty years, has shown its incredible resilience and transformational capacity – from dingy structures to dynamic service centres. Today the need to address the environmental change is certainly a huge challenge but the parking sector here has a key contribution to make. The 40 million parking spaces indicated in the important Parking Data Survey published in 2016 gives an idea of our infrastructural consistency. At the last EPA Congress in Malaga in 2019, in presenting the EPA Position Paper on Smart Parking, we stated that the parking service sector today manages parking for all vehicles and not only automobiles. As illustrated in our recent three EPA – POLIS Webinars, we are already supplying many diverse parking management opportunities supporting multimodal mobility solutions.

We share a common goal with the mobility stakeholders – positively promoting sustainability in adopting intelligent solutions for the citizens of the European Union. However it is important to remember that to date the private vehicle is still the favoured form of urban transport as indicated in many official modal split data sources. As new efficient, flexible and cost effective mobility services become progressively available and accepted, the modal split values can and will change in favour of new co-mobility solutions. We are well aware that to achieve the challenging sustainability goals, the key criteria are related to enabling the integration of the mobility offer whilst guaranteeing accessibility, competitiveness and quality of place. Nonetheless and realistically speaking, the parking sector will remain key for the numerous services that sustain the functional and operative requirements of vehicles for people and goods during the static part of their activities.

Furthermore the parking sector is one of the important financing and revenue generating operations for local administrations, consolidating the notion of the value of space for vehicle occupancy whilst at the same time enabling and regulating accessibility for a multitude of needs and sustaining the economical livelihood of urban areas.

We are at a critical crossroad today. The multitude of both new urban strategies and the technological developments present a complex ecosystem that to be successful require an holistic approach. EPA has joined forces with the BPA and IPMI and, thanks to important support from our members and important institutions, has invested human and financial resources preparing the way to enable the necessary integration of the stakeholders of the mobility ecosystems – having elaborated and gained the ISO approval of our Parking Data Standards. EPA is committed to be part of the new digital management solution, and is paying particular attention to new mobility and transport needs, being involved in many networking activities. Our customers now also need to charge their vehicles and be connected and integrated with new mobility services all over Europe.

In order to successfully meet the challenge, we urge, as in the past, a strong cooperation between the public and private sectors in their respective roles. Where parking



**Laurence Bannerman**

management is an integral part of the urban mobility system, the modal split balances, the environmental quality and the economic livelihood of towns and cities are considered the most sustainable in Europe. I wish to remind all the readers that parking in the new urban mobility scenario, today more than ever should continue to have a strategic role. The new "clean" vehicle concept will almost certainly change the acceptance values in a new mobility paradigm.

In closing this editorial I wish to remind you that at the next General Assembly I will be stepping after four consecutive mandates and seven years as President. I take this opportunity to thank you all for your incredible collaboration in achieving many important results. It has been a huge pleasure and privilege to have been able to participate in the activity in EPA, that for me dates back to 1992 when the newly founded Italian Parking Association became an EPA member. I've been involved in all the commissions and working groups over the last 30 years and I am confident that with the important recognition EPA has earned, there will be an important future for our association to further consolidate and grow in the representation of a key player.

A very big thank you to the EPA teams, past and present, to the 23 national associations and the associate members. It has been a great ride and I do hope to have the chance to greet you all personally at the Congress in Brussels.

My very best regards,

**Laurence Bannerman**  
President –  
European Parking Association



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## Enable digital parking services of the future

Parkopedia, a leading provider of connected car services, has partnered with APCOA PARKING Group, one of the leading parking operators in Europe. They aim to provide an automated and seamless digital parking payment solution that drivers can use in their vehicles.

By using ANPR technology at APCOA car parks in 13 European countries, drivers can seamlessly enter and exit car parks without needing a ticket or having to stop at a pay station. The “Access and Pay” programme enables digital payments for the entire length of stay without the driver having to take any action. The platform also supports APCOA’s dynamic pricing structure, which provides different rates depending on the occupancy of the parking space, so drivers can effortlessly cover the total cost of parking regardless of price fluctuations.

The integration with the Parkopedia platform modernises payments and meets the demand for in-car commerce services, which is currently growing significantly across Europe. Parkopedia is deeply integrated into vehicle systems to provide convenience for drivers, the company said.

Frank van der Sant, Chief Commercial Officer at APCOA PARKING Group, said:



**APCOA and Parkopedia teaming up to give customers an automated and seamless digital payment solution.**

“Our partnership with Parkopedia allows us to take our already successful automated parking and charging payment solution to the next step in driver convenience and mobility services. Our customers will now be able to benefit from our technology directly from their in-car infotainment screens without taking their focus off the road and allowing drivers to get valuable time back with peace of mind that their parking and charging payments are completely taken care of.”

Hans Puvogel, Chief Operating Officer at Parkopedia, added: “Our partnership with APCOA is a huge step forward for driver convenience technology and mobility services. Parkopedia is able to substantially increase our payment platform’s parking coverage across Europe, while APCOA can now integrate its successful parking payment services directly to the driver from within their vehicles as part of complete seamless mobility.”



## Citea parking comes to the Ergo Arena in Gdańsk



**The Ergo Arena car park has around 800 parking spaces and opened on 15<sup>th</sup> February.**

The Ergo Arena, which is located on the border between Gdańsk and Sopot, holds up to 15,000 visitors. That makes it one of the largest and most modern arenas in Poland. It hosts numerous sporting events as well as concerts, exhibitions, conferences and trade fairs. As a result of the tender WEIP Sp. Z.o.o. was selected as the operator for the visitor parking. WEIP Sp. z o.o., a company with many years of experience in commercial parking management, chose the Hectronic Citea parking ticket machine. An important element was also the fast delivery and implementation time, which Hectronic met: The multi-storey car park

was opened to visitors on 15<sup>th</sup> February 2022. The Ergo Arena car park has around 800 parking spaces and is served by 15 Citea parking machines with touch screens. The parking machines can be used to pay with coins, a contactless payment card and BLIK – a popular mobile payment solution in Poland. When purchasing a ticket, it is mandatory to enter the registration number so that the payment can be verified online, regardless of whether the driver leaves the ticket on the windscreen. The CityLine management software, which has been integrated into the control system, is used to operate the Citea parking machines.



People in Parking

**New CEO at the EasyPark Group**

Johan Birgersson stepped down as CEO of the EasyPark Group after 14 years. On the 19<sup>th</sup> April his successor Cameron Clayton assumed his role as the new CEO. He has long experience from the tech-business and leading global organisations, most recently as CEO of The Weather Company, one of the world's largest private weather companies. He was responsible for building weather.com into a top-ten-website in the world, and he also led them to their partnership with Apple and Android, which made the Weather app the 3<sup>rd</sup> most downloaded app in the world.



**Cameron Clayton (left) replaces Johan Birgersson as the CEO of the EasyPark Group.**

“It has been an honour and a fantastic time in my life leading EasyPark Group. Taking us from a Swedish startup to where we are today – a global, market-leading tech company. Stepping down has not been an easy decision, but this role requires long term planning. I have achieved my dream, to take EasyPark from the Nordics to over 20 European countries and last year to the UK and across the Atlantic into the US. I would like to thank everyone who's made this team effort possible. I am convinced that the team is ready and highly capable to take on the next chapter of EasyPark's successful global growth journey”, says the former CEO.

“I am honoured by this opportunity to lead EasyPark Group going forward. The company has a great history and I am really impressed by the strong culture and commitment among all employees. With the acquisition of PARK NOW Group, EasyPark is well on its way to helping cities around the

world be more liveable. I see a very bright future ahead and I look forward to being part of this journey,” says Cameron Clayton. Johan Birgersson will continue as a Senior Advisor to Clayton and to the Board of Directors.

**Kim Challis becomes Group Director ESG of the APCOA PARKING Group**

Kim Challis, Regional Managing Director UK & Ireland, takes on the additional role of Group Director ESG and will lead the Group's actions based on her many years of operational experience in this area.



**Kim Challis, new Group Director ESG of the APCOA PARKING Group**

Core measures of the programme include a pathway to carbon neutrality, a defined social agenda for employees and the communities with which APCOA is associated, and a clear governance structure that guides the way the company operates. All actions are aligned with the UN Global Compact agreement to which the company is a signatory.

“Current trends towards urbanisation, digitalisation and mobility are changing the urban ecosystem. With our digital and physical infrastructure and our innovative business models, we can make a significant contribution to sustainable urban development. We have set ourselves ambitious goals that reflect our commitment to the people and locations we connect with: Employees, customers, clients, suppliers, cities and communities, and the people who live in them,” explains Kim Challis.

**From GOLDBECK to HUBER**

Markus Mühlhaus, who worked for many years at the construction company GOLDBECK in the field of parking garage construction, moved to the parking garage specialist HUBER Integral Bau. HUBER is a specialist for turnkey parking garages and is active in several European countries, including the UK and the Netherlands. ■

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## Juice Technology expands

Juice Technology AG, manufacturer of charging stations and software, expands its area of activity into the Anglo-Saxon region and founds the subsidiary Juice UK and Ireland Ltd with headquarters in London.

“The juice is already there, all you have to do is make it accessible.” With this motto, the Swiss technology company wants to win over the markets on the British Isles. The market entry is the logical continuation of Juice's expansion strategy. Christoph Erni, CEO and founder of Juice Technology AG says: “The electromobility revolution is a fact. To make it easier for people to make the switch quickly, not only stationary charging stations like the JUICE CHARGER me are in demand, but also portable wallboxes like the JUICE BOOSTER 2. Juice has been established in the industry for almost eight years and can therefore offer competent know-how and proven Swiss quality.”

The mobile wallbox JUICE BOOSTER 2 makes charging safe even at a conventional 3-pin household socket, says Juice Technology. The 3-in-1 charger has numerous safety features such as earth conductor monitoring, DC fault

current protection or patented temperature monitoring directly at the plug pins.

In the UK, the number of public charging stations has increased by almost a third in 2021. According to Juice, the UK alone has around 250,000 charging points, 28,000 of which are public and 5,100 are suitable for DC charging. The British government plans to create 145,000 additional charging points per year and to equip every new or newly renovated building with charging points from 2022. The aim is to drive decarbonisation and accelerate the switch to electric cars.

### Portugal

In addition to the UK, Juice Technology is also expanding its commitment to Portugal. The charging station manufacturer is now part of the local electric mobility network Mobi.E. The network is to contribute to achieving the national energy and climate plan 2030 with a strong expansion of the charging infrastructure. Mobi.E currently has more than 2,485 charging stations nationwide, about three quarters of them AC chargers, with a total of 5,100 charging

points. Currently, the number of users is 58,500.

Mobi.E is an umbrella company under which various providers of charging stations have joined forces. The biggest advantage for users is that they can use the card or app of their energy provider network-wide without any restrictions in terms of service quality. This means that users can charge their vehicle at any charging station in the network, regardless of the operator or owner of the charging points – whether public or private.

Luís Barroso, CEO of Mobi.E explains: “The Mobi.E network is close to reaching its goal of covering the entire Portuguese territory. In the coming years, we will create further conditions to expand our network at a high growth rate and connect it more closely with foreign networks. Therefore, it is crucial for MOBI.E to continue to attract the interest of companies that want to expand their electric mobility activities in Portugal. The market entry of foreign companies such as Juice therefore raises great expectations for us in terms of the growth and internationalisation of the Mobi.E network.” ■

## Stellantis invests in battery factory

Together with its partners, Stellantis is supporting the growth plans of Automotive Cells Company (ACC). The joint venture was founded in 2020 by Stellantis and TotalEnergies/Saft and intends to convert the existing Stellantis plant in Termoli, Italy, into a new battery cell production facility. ACC is also finalising the agreement to add Mercedes-Benz as a new equal partner - alongside TotalEnergies/Saft and Stellantis.

The partners have now also committed to increasing ACC's industrial capacity to at least 120 gigawatt hours by 2030, expanding the development and production of next-generation high-performance battery cells and modules.

“We are grateful to everyone who has participated in this investment to secure the future of the great community in Termoli,” said Carlos Tavares, CEO of Stellantis. “The



**The Stellantis plant in Termoli, Italy, is to be converted into a new battery cell production facility.**

transformation of the existing plant to support a more sustainable future positions ACC as a European leader in battery manufacturing. It also confirms Italy's role in supporting Stellantis' transformation into a sustainable mobility technology company.”

As part of its “Dare Forward 2030” strategic plan, Stellantis announced plans to sell five million battery electric vehicles

globally in 2030 – equivalent to 100 per cent of the passenger car BEV sales mix in Europe and 50 per cent of the share of passenger cars and light commercial vehicles sold in the US. Stellantis also increased its planned battery capacity by 140 GWh to about 400 GWh – covered by five gigafactories and complementary supply contracts. ■







## The city becomes a test laboratory

Volvo Cars is testing wireless charging of electric cars together with partners. In the Swedish metropolis of Gothenburg, a small taxi fleet of all-electric Volvo XC40 Recharge has been on the road since March 2022. The electric vehicles are used by Carbonline, one of Scandinavia's largest taxi companies. They can be charged without a cable at selected stations.

Volvo Cars has already been part of the Gothenburg Green City Zone initiative since 2021, which aims to achieve zero-emission road transport by 2030. Using a real city as a test area enables the Swedish premium car manufacturer to develop new technologies and services in the areas of electrification, shared mobility, autonomous driving, connectivity and safety even faster.

"Gothenburg's Green City Zone allows us to try out new technology in a real-world environment and evaluate its future widespread introduction," says Mats



The charging process is completely wireless.

Moberg, Head of Research and Development at Volvo Cars. "Testing new charging processes together with selected partners is a good way to evaluate alternative charging options for our future electric vehicles."

They are charged at charging stations from Momentum Dynamics, a leading provider of wireless electric charging

systems. As soon as a compatible e-vehicle parks over a charging station embedded in the ground, the charging process starts automatically. For optimal alignment, Volvo Cars uses its 360-degree camera system to park the vehicle precisely on the charging unit. The station sends energy to the receiver in the car via a charging pad. ■

# Save the date!



## The EU Green Deal and the Future of Parking

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EPA Awards 2021/2022

# The entries – part V

The European Parking Award has been established by the European Parking Association as a biannual award for excellence in parking. A prize can be awarded in five categories. The objective of the awards is to promote qualitative improvements in public car parking both on- and off-street. The contributions of the parking operation to parking policy, to sustainable urban mobility plans and to urban development are important factors. In particular the awards seek to promote improvements in services provided to the customers and effective and sustainable management of the facilities. The awards also promote the development of good working practices in on-street parking.

Initially the EPA Award was supposed to be given out in the year 2021 during the 20<sup>th</sup> EPA Congress & Exhibition which was planned to take place in October 2021 in Brussels, Belgium. Due to the Coronavirus-pandemic the event was postponed to 12<sup>th</sup>-14<sup>th</sup> September, 2022 and thus the EPA

Award ceremony was postponed to the year 2022 as well.

Depending on the category of entry two different procedures were implemented.

For categories 1, 2 and 3 the submission deadline was extended to 17<sup>th</sup> January, 2022 and new submissions were accepted in the competition in addition to the entries which have been submitted before the initial deadline on 18<sup>th</sup> January, 2021.

### Category 4 and 5 subdivided into EPA Award 2021 and EPA Award 2022

For the categories 4 and 5 the deadline for the EPA Award 2021 was not extended. Instead, a separate competition for the year 2022 was opened and this means that category 4 and 5 will be subdivided into EPA Award 2021 and EPA Award 2022.

**Both of the groups of finalists for each category will receive the EPA Awards during the ceremony at the 20<sup>th</sup> EPA Congress in Brussels in 2022. It was decided to open a separate competition with a deadline in**

**January 2022, because the fields of the categories “Innovation” and “Marketing” are very dynamic.**

The winner in each category will be presented in a special ceremony during the 20<sup>th</sup> EPA Congress in Brussels, on September 13, 2022. ■

## Shortlist

Recently, the responsible expert panel published the shortlist of the EPA Awards 2021/2022. The winners in the five categories will be determined from among these contest participants. For this purpose, a jury will travel to the respective candidates to see the quality of the submitted objects on site.

\* The projects that have made it to the shortlist are marked with an asterisk in the table below.

cat	project name	city	project address	application by	p.
1	Hofbraeuhaus Parkgarage	Munich (GER)	Thomas-Wimmer-Ring	Woehr + Bauer GmbH	
1	Handelsbeurs	Antwerp (BEL)	Sint Katelijnevest 55	Q-Park Belgium	17
1★	Interparking Boulevard	The Hague (NL)	Strandweg 179	Interparking Nederland	
1	P+R CERIA-COOVI	Anderlecht (BEL)	Boulevard Josse Leemans 110 – R0 exit 16, follow N6	parking.brussels	
1	Novedades	Barcelona (ESP)	C/Caspe 1-13	Interparking Hispania SA	15
1	University of Brighton, Watts House	Brighton (UK)	Lewes Road / University of Brighton's Moulsecoomb Campus	Stripe Consulting	
1★	Parking Confluence	Namur (BEL)	Rue du Grognon	Interparking SA	16
1	Parking ROOSEVELT	Montauban (FR)	Place Franklin Roosevelt	Interparking France	14
1	Dr.-Sieber-Halle Car Park	Sinsheim (GER)	Schwimmbadweg 4	HIB Huber Integral Bau GmbH	13
1	Lower Kings Road Car Park	Berkhamsted (UK)	High Street 230	Huber Car Park Systems International GmbH	12
1★	Parking Termini Train Station	Rome (IT)	Via Marsala 53	Grandi Stazioni Rail S.p.A.	
2★	Inovil	Lausanne (CH)	12 Place de la Riponne	Inovil SA	
2★	Conversion in Chartres	Chartres (FR)	27 Rue Danièle Casanova	Q-Park France	18



cat	project name	city	project address	application by	p.
2★	Toulon - Peiresc Marché - a global city concept	Toulon (FR)	3 Rue de Lorgues	Q-Park France	19
3★	Milan: Parking and Mobility Eco System	Milan (IT)	Zones B, C, ZPRU	Azienda Transporti Milanese S.p.A.	
4	The lung in the city	Namur (BEL)	Parking Beffroi (Interparking), Place d'Armes	Interparking SA	
4★	TELPARK - From parking to mobility	Madrid (ESP)	Avd. General Peron 36, Planta 1	EMPARK	
4	ScanScooter	Opatija (CRO)	Stubiste Lipovica 3	Opatija 21 d.o.o.	
4	Falcon Eye	Belgrade (SRB)	Kneza Viseslava Street 27	Parking Servis Belgrade	
4★	Partnerships – digital innovative mobility solutions	Zaventem (BEL)	Belgicastraat 3 bus 6	Q-Park Belgium	
4	Jauna Teika	Riga (LVA)	Gustava Zemgala Street	UAB Softra	
4★	First in-car parking app for Android Automotive by EasyPark for Polestar	Stockholm (SVE)	n/a	EasyPark AB	
4	Bicycle parking Bourse - Grand-Place	Brussels (BEL)	Place de la Bourse	parking.brussels	
4	P+R CERIA-COOVI	Anderlecht (BEL)	Boulevard Josse Leemans 110 – R0 exit 16, follow N6	parking.brussels	
4	Automated Valet Parking (AVP) at Airport Stuttgart	Stuttgart (GER)	Stuttgart Airport, car park P6, Flughafenstraße 43	APCOA PARKING Holdings GmbH	
4	Automatic Parking in Europe by Flowbird & Concar	N/A	www.flowbird.group	Flowbird and Concar NV	20
4	Meters for Trees	N/A	<a href="https://park.paybyphone.com/metersfortrees/">https://park.paybyphone.com/metersfortrees/</a>	Indaba Communications	25
4	Connect Parking as a Service to Mobility	Madrid (ESP)	<a href="https://letmepark.app/">https://letmepark.app/</a>	LetMePark S.L.	24
4★	Mon-Marche.fr logistics hubs in INDIGO underground car parks	Paris (FR)	2 Avenue de la Porte de Saint-Cloud	Indigo Park	21
4★	London North Eastern Railway (LNER) Car Parks	York (UK)	East Coast House 25	Hub Parking Technology	
4★	Q-Park Park Lane Mobility Hub	London (UK)	Park Lane	Q-Park Limited	26
4	Real-time availability in Barcelona's car parks	Barcelona (ESP)	N/A	Barcelona de Serveis Municipals, S.A.	
4	SPK Zero KM Service by Came Parkare	Barcelona (ESP)	N/A	Came Parkare Group S.L.	22
4	Cargo Bike	Brussels (BEL)	Place de la Justice 16	Interparking SA	23
5★	Nos van a Falta Horas	Madrid (ESP)	Avd. General Peron 36, Planta 1	EMPARK	
5	Mutti Advertising Concept by Easypark	Stockholm (SVE)	Hangövägen 20	EasyPark AB	
5★	Car Park Magic	Madrid (ESP)	<a href="https://www.youtube.com/channel/UCYadBFPLTEqSWIhFkgOpj4A">https://www.youtube.com/channel/UCYadBFPLTEqSWIhFkgOpj4A</a>	ASESGA	
5★	LiveSommer2020	Stuttgart (GER)	Car park 'P0' at Airport Stuttgart	APCOA PARKING Holdings GmbH	
5	The City Reunites	Stuttgart (GER)	n/a	APCOA PARKING Holdings GmbH	
5★	MUVIN: Urban Mobility Solution	Corciano (IT)	<a href="https://cabras.sis.City/">https://cabras.sis.City/</a>	S.I.S. Segnaletica Industriale Stradale S.r.l.	
5★	INDIGO Group Sustainable development brochure 2021	Puteaux/La Défense (FR)	<a href="https://www.group-indigo.com/en/sustainable-developement-brochure-2021/">https://www.group-indigo.com/en/sustainable-developement-brochure-2021/</a>	INDIGO Park	

★ Shortlisted projects

HIB Huber Integral Bau

## Modern car park at the heart of a city centre

The car park is strategically located between the High Street and Berkhamsted railway station. Its design is intended to meet the ever-increasing demand for flexible parking solutions in a busy town centre, combining the old and the new of the town. With its ease of use and convenient location, the car park is said to be an asset to local trade, businesses and tourist attractions, making it the first choice for parking.

The multi-storey car park has a split-level system, the 298 parking spaces have a generous ratio of gross floor area to parking space and are equipped with a sophisticated signposting and vehicle counting system. There are six fast-charging stations for e-cars on the ground floor, and more can be installed if needed. Two staircases provide access to the eight decks, with a spacious lift with two entrances for 14 people in the main stairwell. The building's open design, which is made possible in all HUBER car parks by the HUBER steel truss system.

### Mobility upgrades for the surrounding streets

The building is further furnished with all-round CCTV, an intruder alarm and access control to the barriers and doors, as well as a roller shutter. All surrounding streets, including the busy Lower Kings Road, have been upgraded and landscaped to accommodate ancillary disabled, bicycle and

motorcycle parking, thereby alleviating parking anxiety. The nearby train station furthermore offers the great opportunity to use the car park as a park and ride area.

### Eye-catching façade and sustainable features

A prominent feature is the living wall façade, consisting of 890 biotile panels, 14,220 plants of a variety of species, specifically chosen to suit the climate. The living wall presents a background to existing trees and vegetation. The hydroponic system is maintained via a fully automated, remotely controlled irrigation system.

The main staircore has a glass curtain wall giving the structure transparency throughout the day. The brick slip system, which forms the rest of the staircases, has been carefully chosen to be consistent with the nearby Waitrose store.

The horizontal timber louvres enhance the building's natural feel and soften its lines. Corten mesh panels contribute to the

natural ventilation of the car park. The façade features have been specifically chosen to enhance the level of lighting and support the glow of natural light in the building. This is further complimented by the energy-efficient internal lighting system, which offers analogue daylight, movement and timeclock lighting control. With focus on sustainability, the car park's drainage system has been designed to divert storm water via the permeable ground pavement to the nearby river, so as not to overload the central rainwater drainage system. Seeping water is filtered by the gravel substrate followed up by a hydro break and interceptor which are externally maintainable and consequently do not require temporary closing of the car park. ■



© HUBER

The façade of the car park features 14,220 plants of different species.





HIB Huber Integral Bau

## Multi-Storey Car Park in Germany

The MSCP Dr.-Sieber-Halle is the last building block in the Wiesental/Stadtmitte Ost redevelopment area of the city of Sinsheim in Germany. The formerly fallow, unused inner-city area was revitalised by the multi-storey car park with its high-quality façade. In terms of colour, it is based on the adjacent Dr.-Sieber-Halle, which was also redesigned in 2020. The car park was developed and built by Stadtwerke Sinsheim, ADS Architekten and the car park construction company HIB Huber Integral Bau GmbH.

The developer of the five-storey car park with 271 parking spaces is Stadtwerke Sinsheim. Five of the parking spaces are for people with disabilities and there are ten spaces for women and eight parking lots with e-charging stations as well. Energy and traffic concept are state-of-the-art and sustainable. So is the LED lighting in all areas specially optimised for the car park. Special emphasis was placed on user-friendliness, urban integration and environmental considerations.

The city's parking guidance system and signs in the immediate vicinity guide drivers to the car park. A roundabout directly at the entrance and exit of the car park makes the direction of approach irrelevant and facilitates the flow of traffic to and from the car park.

### Sustainability and user-friendly atmosphere

The digital guidance system of the car park itself shows the number of free spaces at the entrance and on each parking level. The individual parking space displays also eliminate the need for parking search traffic, reducing CO<sub>2</sub> emissions inside and outside the building.

The strikingly lit entrances guide pedestrians to the bright, naturally ventilated stairwells. All parking spaces are numbered and thus easy to find. A lift also ensures barrier-free access to all parking levels, whether with prams, luggage or wheelchairs.

Large glass elements, extra-wide glass doors, stainless steel handrails, a separate children's handrail and natural stone floors significantly enhance the stairwells. The visibility of the stairwell from the parking deck increases the users' sense of safety.

The car park has a storey height of three metres, which gives the stairwells a light ap-



Each level of the new Watts House car park in Brighton has a different colour to make it easier to find your way around.

pearance. Despite the space required for the suspended soundproof ceiling, a comfortable, above-average passage height of 2.20 m could be realised.

The photovoltaic system on the roof of the multi-storey car park supplies electricity for the facility's technology such as parking control technology, lighting and ramp heating. The surplus is fed into the public grid.

### High quality of functionality combined with exceptional architecture

The striking architecture of the façade fits into the urban fabric of the city centre and becomes a landmark of the city.

In this sense, the façade fulfils several requirements. Mounted at a distance from the building's exterior walls, it provides natural ventilation, while louvres on the ground floor and closed panels on the upper floors ensure solid sound insulation. The colour of the expanded metal façade ele-

ments reflects the surroundings, and their shape creates an appealing image of light and shadow.

This image is complemented by vertically mounted LED strips that can light up in different colours depending on the theme of the event in the hall next door. Digital controls enable the projection of multiple colours and colour changes. This aesthetic function serves to increase the acceptance of the car park in a cultural context. ■



Interparking France

# Transforming the city of Montauban

The old Roosevelt car park was located on Place Roosevelt in the heart of the historic centre of Montauban. Place Roosevelt is surrounded by very old buildings and especially by the imposing 18<sup>th</sup> century cathedral. The old car park was built in the 1980s and had an underground car park and parking spaces at ground level, which no longer meet today's requirements.



© Interparking France

The new underground car park is part of a project to make Montauban's city centre more attractive.

The municipality of grand Montauban wants to completely redesign Place Roosevelt. This redesign includes the complete demolition of the old car park after the removal of the asbestos and the construction of a new underground car park that can accommodate between four and five hundred vehicles. In addition, the surface of Place Roosevelt will be turned into a pedestrian zone with green spaces and a water table.

### Construction of the new underground car park

The project, designed by architect Thierry Carbonnet, envisages a multi-storey car park with five underground levels, providing 455 parking spaces (including ten for people with reduced mobility), as well as spaces for motorbikes and bicycles.

One challenge in the works was the fragility of the old buildings around Place Roosevelt. Therefore, all the façades, including those of the cathedral, were fitted with topographical targets that were automatically read every week to warn of the risk of deterioration and/or movement. In addition, the old car park had to be demolished before construction could actually begin.

The construction of the new car park started with the construction of a 62 cm thick diaphragm wall, which serves as a reinforced concrete wall on the four sides of the car park.

In the next phase, 43,000 cubic metres of soil were excavated within the diaphragm wall perimeter, reaching to the fifth and lowest level of the car park (-5) – 17 metres deep – in reference.

When excavating the ground and lowering the levels, temporary braces had to be installed to compensate for the sheer force of the ground behind the diaphragm wall. The floors of the car park will later serve as abutments, so the struts will be removed gradually as each new level is built.

Once the 17-metre-deep level is reached, construction of the reinforced concrete floors will begin, rising from the lowest, fifth level (-5) to the top, first level (-1).

The "roof" of the car park, which is at the natural ground level, is heavily reinforced as it must support the weight of surface greenery, playgrounds or water features.

The site was opened to the public on 16<sup>th</sup> September 2021 after 27 months of construction. 12,000 square metres of flooring were installed and 800 tonnes of steel were used. ■





Interparking Hispania

## Mobility Hub in the centre of Barcelona

Successfully opened in January 2021 in the city of Barcelona, the car park NOVEDADES was built new after the demolition of an old building hosting a theatre called the same. The fact that it was built from zero, gave Interparking the opportunity of creating a high-quality car park with big parking spaces and lanes, resulting in a car park that conveys a sense of quality and security to all the users of their premises.

The NOVEDADES parking garage was built under a building where stores and a 5-star luxury hotel (Me Barcelona) are located. The building lies next to square "Plaça de Catalunya", a big communications hub within the city. The car park is spread over three different levels, from -2 to -4, and has electric chargers in the spaces on level -2. They are "plug&play", which means that any customer who wants to charge their car just has to plug it into the charger and its loading starts. There is no need to download any application or enter any data to use them. To support sustainable mobility in the city, the charging stations can be used by any customer at zero cost.

Spaces for bikes are all placed in level -3, in a separated room accessible when using a

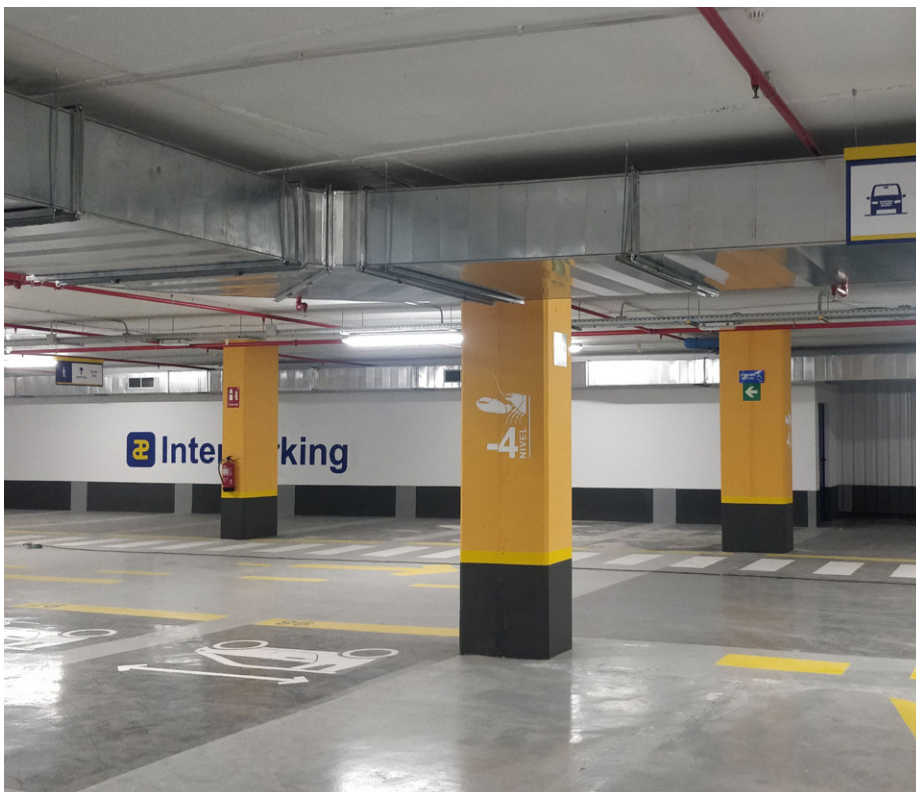
client card. The car park has been built to the standards set out in the ESPA award checklist to ensure that the level of quality offered to customers is high. The quality offered to Interparking's customers does not only refer to the construction itself, but also to the services offered. The P-app makes it possible to go through the "parking experience" completely contactless. The barrier is opened by the number plate reader on entry. On exit, another number plate reader identifies the car and calculates the tariff based on the time spent in the car park. The customer's credit card is automatically charged and the barrier opens. The car park is open 24 hours a day, 7 days a week: In addition to the on-site staff, the car park is supported around the clock by the two control rooms

in Madrid and Barcelona. Any problem can be solved remotely by simply pressing the "Info" button.

The car park was recently assessed by Bureau Veritas and achieved 78 per cent of the ESPA award, which means that it was awarded with the ESPA gold award, which offers customers a guarantee of quality. ■

### Facts:

- 458 car spaces:
  - 26 of those spaces are adapted to handicapped people with a minimum width of 3.5 metres
  - 12 of those spaces have an electrical charger available for clients
- 47 spaces for motorbikes
- 58 spaces for bikes, in a room separated from the rest of the car park



© Interparking Hispania

The NOVEDADES car park in Barcelona extends over three levels and offers mobility services such as e-charging stations and bicycle parking.



Interparking

# A Parking garage in a design of a floating boat

The new “Confluence” car park, initiated as part of a tender by the city of Namur to improve accessibility to the city centre, is of particular strategic importance. It was built and is still operated by Interparking.

The “Confluence” car park was designed to provide a parking solution for visitors to the city centre, as well as tourists visiting the Citadel of Namur and the NID conference centre, which is located above the car park. The parking facility also meets the urgent need for additional parking spaces that the business people in Namur’s Rue de l’Ange shopping street have been expecting for many years.

In addition to these purposes, a special tunnel, accessible with a security pass, connects the car park on foot to the

Walloon Parliament for members of parliament.

Almost 50 years after the demolition of the last houses on the historic Grognon site, the inhabitants of Namur now have access to a large pedestrian area, friendly and intended as a meeting place. This nerve centre is now a meeting place and a connecting bridge over a much-needed car park.

The “Grognon” site where this car park was built is located in a very special topography: at the crossroads of two rivers and at the foot of a hill. The car park and its surface design act as a platform that ultimately connects the whole. In addition, the extensive esplanade was built to withstand heavy loads to allow for outdoor events.

### 400 anchors to ensure stability

This car park reaches up to twelve metres below ground and nine metres below the level of the Sambre and Meuse rivers. It was designed as a floating boat anchored in the rock. The weight of the structure was not enough to compensate for the water pressure. Therefore, 400 anchors were placed in the

rock to ensure the stability of the structure. The Confluence car park meets ESPA Gold standards. The structure with no pillars between cars and its large ramps allows motorists to park easily and its full LED lighting is above industry standards.

It offers 670 parking spaces, including 17 for people with reduced mobility, 18 electric charging stations, 20 spaces for bicycles and 20 more for motorbikes.

As the building is situated between two rivers and below the water level, several devices had to be provided to protect it from flooding. Two watertight cofferdams were installed: one rises when it comes out of the ground and the other closes like a door when the Meuse overflows. In case of an even stronger flood, it is also possible to completely flood the building -4.

This project fits perfectly into the landscape between the citadel and two rivers. The entire redevelopment of the area brings new life to the northern part of the city, which was previously unused and abandoned, while blending harmoniously with the graphic and urban forms of Namur. ■

category 1  
New Parking Structure



The new car park in Namur has 670 parking spaces and reaches up to twelve metres underground.



Q-Park

## New parking garage for Antwerp stock exchange

The Antwerp Stock Exchange - de Handelsbeurs - is the first purpose-built commodity exchange in the world. The first building in the late Gothic style of Brabant dates back to 1531. When it closed in 1997, the building lost its function and was neglected. After a long and intensive renovation, it opened in October 2019, while the car park below already opened in May 2019.

category 1  
New Parking  
Structure



The new parking garage under the stock exchange of Antwerp has 284 spaces.

The Q-Park Handelsbeurs – a newly constructed three-storey underground car park – serves the Handelsbeurs as an event and conference venue. The car park was excavated under the stock exchange and adjacent buildings. It has space for 284 cars and ten parking spaces for people with reduced mobility. It is also equipped with modern parking technology, such as dynamic signage, ANPR, pay stations with modern payment options and EV charging stations.

The complex realisation of this project, involving renovation, restoration and new construction in the heart of Antwerp, is part of the rejuvenation of the neighbourhood.

By reusing historically valuable buildings while reducing short- and long-term disruption to residents and traffic, the aim is to create an attractive city centre.

### A new look

The original layout of the car park was not well suited for this purpose – two-way traffic, lack of circulation and 900 parking spaces would not properly fulfil the intended functions. With the help of Q-Park's experience and expertise in designing parking facilities, the car park was redesigned: It now has a one-way street, two ramps for traffic and angled parking spaces. Excavating a three-

storey underground car park is not easy in itself, but it becomes even more difficult when there is a historic building above it. The Handelsbeurs has several glass elements, an open metal construction as a roof and a double-row colonnade with 68 columns.

Therefore, a temporary structure with beams and columns was created around the building during construction. Each of the 68 columns was monitored around the clock to detect irregular movements. In addition, each column in the car park was positioned to coincide with the Handelsbeurs columns and ensure an optimal arrangement of parking spaces. ■

Q-Park

# Innovative and affordable parking in Chartres

The new Q-Park République opened in September 2020 and is a good example of Q-Park France's intention to reinvent city centre parking. The car park has four underground levels and 577 spaces, including e-charging stations and bicycle parking.

Chartres is a city of art and heritage with a cathedral that was one of the first French monuments to be inscribed on the UNESCO World Heritage List (1979). The growing need for mobility due to new inner-city facilities, like administration and entertainment venues, required the development of centralised parking facilities. Instead of building a new car park, Q-Park and Chartres Métropole decided to modernise an existing infrastructure.

## Transforming an old facility into a public car park

Q-Park France converted a 1979 facility owned by a private management into a public car park open 24 hours a day. The 577-space car park was underutilised with less than 300 vehicles during the week and only about 50 vehicles in the evenings and at weekends.

The existing structure of the site was maintained in order to avoid heavy construction work that could have caused traffic congestion and conflicts with environmental organisations or residents. In order to meet safety standards, Q-Park France carried out a series of substantial alterations related to the restructuring of a private facility into a public car park.

To meet fire safety regulations, Q-Park installed a state-of-the-art universal sprinkler system, a power plant and new ventilation systems. To facilitate access to the car park, the existing lower staircase was demolished and a main pedestrian access was built with a 1,40 m wide staircase.

In addition, the smoke extraction system and electrical installation were updated and twelve parking spaces for persons with reduced mobility (PRM) were installed on level -1 with a corresponding lift for accessibility and evacuation in case of fire, as well as a safe waiting area.



The Q-Park République car park in Chartres has 577 spaces.

## Asset for the attractiveness of Chartres

Q-Park France is committed to sustainable development and has given preference to environmentally and health-friendly materials such as paints without volatile organic compounds. Power consumption has also been reduced by 30 per cent by combining detection systems with the latest generation of LED lighting.

The car park is equipped with the latest technological developments from the Q-Park Group: Multi-park access for season ticket holders, online reservation for hourly customers, a system for contactless reading and payment of number plates and connection to the e-validation system.

According to Q-Park, the République car park is an asset for the attractiveness of Chartres city centre, a smart vision of mobility in 2020 and for the future. An innovative,

affordable and environmentally friendly car park that proves that it is possible, in a sensitive urban context, to optimise the use of existing parking spaces with minimal environmental impact and undisputed acceptance by residents. It is also the result of a solid, long-standing collaboration with the community and local authorities. ■





Q-Park France

## Attractive renovation of car parks in Toulon

Q-Park France, responsible for the operation and renovation of car parks in Toulon, was the innovator that combined the demand for quality services with a user-friendly location and local talent and inspiration.

The city of Toulon entrusted Q-Park with a twelve-year contract that began on 1<sup>st</sup> January 2017 and includes not only the operation of ten car parks in the city centre, but also the implementation of a renovation programme financed by Q-Park with an investment of over 20 million euros.

The key word for this large-scale work is attractiveness: turning the car parks into welcoming facilities for the 2.1 million visitors and 3,500 season ticket holders who use Toulon's car parks every year. This includes structural adjustments, electrical installations, waterproofing, metalwork, the construction or renovation of lifts and new paintwork. In addition, there is the complete renewal of signage and LED lighting.

Beyond the specifications, Q-Park proposed to the city of Toulon an architectural and functional approach aimed at creating a common identity and drawing on the city's unique history and identity. This explains the specific "Park'ing Toulon" design and the graphic charter for all the signage, which used graphic elements

provided by the city and which also reflect the particular atmosphere of Toulon.

Symbolic of this approach was the integration of artworks and photographs by artist Marin Kasimir, which are intended to create a very human touch and a connection to the city. For example, the architectural style of the façade of the Peiresc car park and, inside, a work reminiscent of the nearby Provençal market. Importantly, most of the works were awarded to local companies.

This positioning of parking with style, which dares to use terms such as "conviviality" and "comfort", makes it original and unique, according to Q-Park. This, they say, is a unique asset of Q-Park, based on experience, know-how and a partnership of over 20 years with Art Enterprise.

It is based on high quality standards and is the result of a commitment to making parking spaces welcoming and practical, as they are linked to the various city centre attractions, such as the port or the market.

### Priorities for Q-Park

Basically, for each project Q-Park focused on a number of priorities to improve user comfort and safety like underground circulation for smoother traffic, clearer directions and dynamic place display. Another priority is the redevelopment and upgrading of pedestrian areas: Q-Parks wants to make them more attractive and out of hard-wearing and easy-to-clean materials.

Q-Park in Toulon has once again demonstrated a commitment to the quality of life and dynamics of city centres. Q-Park think, it is their duty to provide the city with technological innovations and additional services, to turn parking facilities into fully-fledged integrated public spaces that are pleasant, safe and offer high added value in liaison with other economic players. ■



Q-Park financed a renovation programme of car parks as part of a twelve-year-deal with with the French city Toulon.

Flowbird / Concar

## Automate parking processes

Flowbird is teaming up with Concar, an innovative player in the global connected car market. In partnership with Concar's car data marketplace, Flowbird is launching Yellowbrick Connected, a new parking solution that automatically starts and stops parking sessions, to solve one of the biggest pain points in mobile parking for businesses and fleets.

**Y**ellowbrick Connected works with a vehicle's built-in track-and-trace system to start and end a parking session on its own. Thanks to data from the connected vehicle, the solution automatically starts a parking session when the vehicle parks and ends the session when the car leaves the parking space.

### The advantages of Yellowbrick Connected

The advantage of Yellowbrick Connected is that employees and drivers no longer have to manually start or stop their parking process. Instead, the app is triggered to start the process as soon as it detects that a car is parked in a parking zone. As soon as the car leaves the parking space, the app ends the process. Through this automation, flowbird says the app offers huge benefits to businesses and their employees: Businesses no

longer have to pay excessive parking fees for parking that their employees did not finish, and employees no longer have to worry about forgetting to start a parking process while they were at work or having to pay a fine.

With 52 per cent of mobile parking app users regularly forgetting to complete their parking processes and 48 per cent of users forgetting to start their processes on time, Yellowbrick's solution is a very good option for modern businesses.

It's not just small businesses that benefit from the advantages of an automated parking solution. Research shows that even larger fleets can save up to 20 per cent on their parking costs with an automated start-stop parking solution. In addition, management efficiency is increased as employees of companies using Yellowbrick Connected have to spend significantly less time tracking, veri-

fying and paying for multiple parking transactions for different vehicles. An online dashboard and streamlined invoicing for parking transactions will further simplify fleet management. ■



“Yellowbrick Connected works with a vehicle's built-in track and trace system to automatically start and stop a parking session.”



© flowbird

concar / FLOWBIRD

Yellowbrick Connected automatically starts and ends a parking session.



INDIGO Group

## Underground parking spaces transform into logistic hubs



In order to meet new cities and urban territories challenges, INDIGO Group has built a strategy and vision about how the car parks will look like in the near future. For INDIGO, the car park of tomorrow offers a range of new services, including a hub for environmentally friendly modes of transport, urban logistics or storage. For this, the company teamed up with Mon-marché.fr in Paris.

**M**on-marché.fr is a smart and sustainable fresh food delivery service. Thanks to an app, city dwellers can order groceries to be delivered directly to their homes or available at a “click and collect” place. Every morning, fresh food arrives directly from Orléans, France, and is stored in cold rooms in a car park, waiting to be packed and delivered to customers by e-cargo bikes.

### Positive impacts and benefits for the city

Mon-marché.fr was looking for large spaces in the city centre to create a supply chain as close to the customer as possible and found them in the INDIGO car parks. Thus, about 150 parking spaces of the Harley Pont-Neuf car park were transformed

into five cold rooms, offices for staff, mobility and loading zones for e-cargo bikes and a space for Click & Collect. Following the success of this first launch in March 2020, the project was duplicated in the Porte de Saint-Cloud car park with approximately 300 parking spaces.

From the initial discussions to the first launch, INDIGO estimated two years, the time to design the supply chain, get the legal approvals and renovate the space.

In response to the challenges of last-mile logistics, this implementation has many positive impacts and benefits for the city and its residents, such as reducing pollution and congestion through less truck traffic and increased use of e-bikes. It also increases the attractiveness of the city centre through better allocation of public and private space.

“Our mission is to bring high quality fresh produce at competitive prices to city dwellers, connecting them to more than 700 producers, through a responsive and easy-to-use service for customers. The business model we built with INDIGO allows us to meet our objectives, while decongesting urban traffic and decarbonising the delivery process in the city centre. To set up our logistics workshops, INDIGO has played a facilitating role, particularly with regard to regulations, and has put us in touch with the right contacts to remove certain obstacles we may have encountered. As a result, we launched our first pilot project in March 2020 in the heart of Paris and have several other projects underway,” concludes Gilles Raison, Managing Director of mon-marché.fr. ■



INDIGO and mon-marché.fr transform parking garages in Paris in goods transshipment points.

CAME Parkare

# New service concept for parking facilities

CAME Parkare, a brand of the Treviso-based CAME Group, is a brand specializing in sustainable urban mobility. The brand operates within the Group as a provider of complete solutions for the control and management of car parks.

One of the greatest challenges of modern society is dealing with mobility. Therefore, technical solutions are needed that are not only innovative, but also meet the real needs of customers and contribute to the sustainability of the environment in which we live.

## Transformation of parking management

Even before the COVID 19 crisis, parking management was undergoing a profound transformation driven by digitalisation. For years, all parking stakeholders have been focused on changing the hardware vs. software paradigm, but nothing has changed in the way the service is delivered, says CAME. If a fault occurs in a car park, a service provider still has to be called to send a qualified technician to the site, he says. Moreover, this method of service delivery carries an inherent risk that can affect

business continuity, with the well-known consequences for both the profit and loss account (P&L) and the customer experience.

So, the question is whether there is a smarter way to reduce human intervention to correct faults in parking systems.

For CAME, the real innovation for everyone would be able to count on a self-sufficient system that can meet new needs, new rules and new technologies. Digitalisation allows a paradigm shift to take place and software is becoming increasingly more important than hardware. The service of the future will always have a central position but will be provided in a totally different way.

## Redefinition of service and assistance

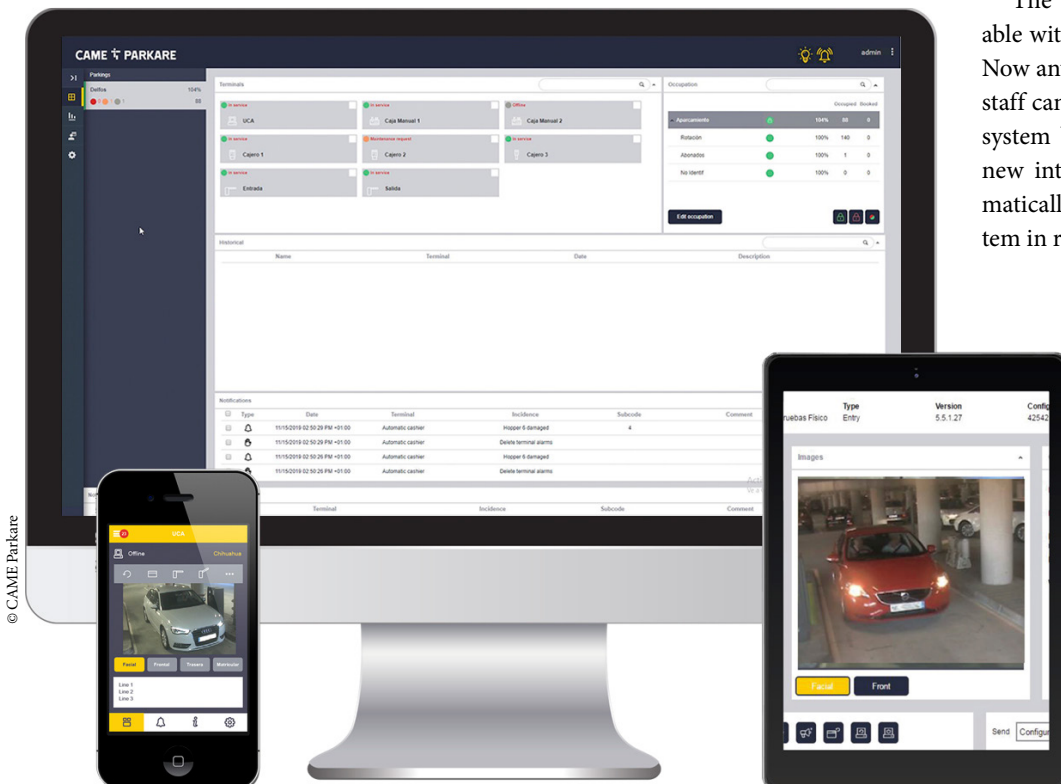
The goal of "Zero KM Service" is to reduce the time and cost of human intervention in preventive and corrective maintenance, improve asset performance and ensure complete ser-

vice management through smart devices with new, innovative digital native technologies.

With "Zero KM Service", CAME aims to re-define the service and assistance model in parking management to ensure business continuity, improve the customer experience and have a strong impact on the operating margin of operators in the sector, he said.

The system is based on three pillars. One is a complete redesign of the hardware with devices developed in robust modular kits to allow rapid intervention by unskilled personnel on site. The second is new SMART software capable of sending data and messages in real time to inform and guide staff to act autonomously in both preventive and corrective maintenance. And finally, the application of new cutting-edge technologies to create a modular and intuitive structure supported by artificial intelligence algorithms to avoid errors.

The "Zero KM Service" concept is available with the new SPK parking system line. Now any member of the car park operator's staff can independently and quickly put the system back into operation, guided by the new intelligent software, which also automatically reconfigures and restores the system in real time.



© CAME Parkare



The Zero KM Service is available for all typical devices.



Interparking / Ziegler Logistics

## Revolutionise the heart of cities

The history of Interparking and Ziegler is closely linked to the 1958 World's Fair in Brussels. Ziegler was appointed the official freight forwarder of the Brussels World's Fair and used this opportunity to expand its international activities. On the other hand, originally built to accommodate visitors to the event, Parking 58 marks the beginning of Interparking's history.



Interparking and Ziegler teamed up and developed Cargo Bike – a last mile solution in the centre of Brussels.

Over the years, Ziegler has become one of the most successful logistics companies in the world. It operates a network of 154 branches in more than 15 countries worldwide and employs more than 3,200 people. Interparking became a major player in the European parking sector, operating more than 950 sites in nine countries with 2400 employees. Sixty years later, the two companies are teaming up again to revolutionise the heart of cities with Cargo Bike: a last mile solution that combines three innovative elements to deliver even large parcels without CO<sub>2</sub> emissions in the centre of Brussels.

### A project to support mobility change in Brussels

The idea for the Cargo Bike was born in November 2020 during a brainstorming

session on last-mile delivery and sustainability, based on the observation that vehicles destined for urban distribution need to become smarter, cleaner, quieter and smaller in order to improve the quality of life of the city, its residents and its businesses.

An electric truck shuttle connects the main platform with the micro-hub in the centre of Brussels, the Interparking Albertine-Square. From there, the Cargo Bike drivers load their trailers for their morning tours. In the afternoon, they return to load their second tour.

Cargo Bike also responded to the need to adapt to new changes in mobility in Brussels, such as environmental and pedestrian zones and bicycle lanes. The Corona pandemic also played a role,

reducing traffic and making it necessary to look for additional use of parking spaces.

The Cargo Bike XXL, specially designed for this occasion, offers a loading capacity of 500 kg / 4.3 m<sup>3</sup> in the form of a tricycle with a 6.5 m long trailer.

This Cargo Bike makes up to 50 stops per day, while a conventional distribution truck only makes 25 stops on average. The entire operation takes place without the release of CO<sub>2</sub> and without the use of fossil fuels, making urban distribution smarter, cleaner and quieter, and improving the quality of life for the city and its residents.

Following this initial success in the Albertine car park, the Cargo Bike concept will gradually be extended to other car parks in the Interparking Group. ■

LetMePark

# Connect Parking as a Service to Mobility

The parking market is highly fragmented. In Spain alone, there are more than 20 parking platforms, which makes it difficult to integrate the parking sector into the new world of digital and multimodal mobility, connected cars and voice assistants. Furthermore, the level of digitalisation is uneven, which is a barrier to integration with other players in the mobility ecosystem.

The mobility company LetMePark aims to solve this problem by offering a personalised and advanced parking service. This runs through alternative digital channels using modern technologies.

The goal of LetMePark is to integrate the parking industry into the digital automotive and mobility world. To do this, LetMePark's app brings together all parking operators and platforms so that customers have a wide choice. Thanks to an automated parking process and an Alexa function for the in-house app, LetMePark wants to reinvent the user experience. With the help of Alexa, LetMePark aims to improve road safety, as according to the Spanish company, 20 per cent of road accidents result from distracted driving. LetMePark for Alexa has been available in Spain since July 2020 and in France, Italy and Germany since December 2021. The company works with leading mobility companies so that their service is built into leading car brands and MaaS platforms.

## LetMePark aims to connect new digital demand with parking supply.

From a parking supply perspective, LetMePark creates new demand by converting casual offline users into recurring, smart on-demand or on-the-go users, opening up a distribution channel for the parking sector:

1. Through voice solutions, connected car and intermodal mobility with the private vehicle through car parks as mobility hubs.
2. Allowing for better differentiation of types of parking services and products. It is becoming more expensive every day to engage a user on Google or to get an end-user to download the parking app. Changing behaviours to attract drivers to off-street parking means being relevant when the



category 4  
Innovative  
Scheme

LetMePark offers a personalised and advanced parking service

driver cares about parking, usually while driving.

Based on parking demand, LetMePark provides real-time parking information and reservations, representing and connecting businesses and drivers who want to park in such a fragmented environment:

1. Enables drivers to extend their mobility by connecting them to parking operators and platforms at the right time via voice assistants and connected cars.
2. Enables companies that want to extend their service portfolio to their users and customers, in their own app with their own screen and design, via their API

LetMePark enhances and extends the value proposition of:

- OEMs. Providing real-time parking information to drivers to provide relevant connectivity and reduce fuel consumption and environmental impact.
- Car rental and car sharing. Improving car usage and driver experience.
- For hotels, travel and tourism. Improving the travel experience by adding parking to the range of services offered to customers.

LetMePark offers more than 2,532 parking locations in more than 190 cities in Spain, 2,600 parking locations in 25 cities in France, 790 parking locations in seven cities in Italy, and more than 1,120 parking locations in ten cities in Germany.

The Spanish company reduces the environmental impact of cities, as inefficient parking is responsible for 30 per cent of parking search traffic and 10 per cent of CO<sub>2</sub> emissions. LetMePark guides drivers to the optimal parking space near their destination, reducing congestion and improving vehicle use in the city.

The biggest challenge for the industry is collaboration. In a competitive environment, sustainable and connected mobility requires collaboration between different stakeholders, small and large.

LetMePark accelerates the transition to Parking as a Service by engaging the parking sector in the new mobility through new channels and partnerships. LetMePark is a use case that demonstrates the benefits of a collaborative environment and the application of new technologies and channels for parking management. ■



PayByPhone

## An environmentally oriented marketing proposal

PayByPhone is one of the fastest growing mobile payments companies in the world and claims to have over five million downloads per year. After all, environmental concerns are very high on the priority list of municipal customers. With this in mind, the company's leadership team has developed the "Meters for Trees" concept in 2019 that helps customers achieve their environmental goals while improving local air quality.

category 4  
Innovative  
Scheme



For every ten parking meters removed, PayByPhone plants a tree.

This initiative "Meters for Trees" is the first of its kind in the UK and aims to reduce the carbon footprint. The concept is simple: replace parking meters with trees. The initiative helps PayByPhone's customers achieve their environmental goals by offering them incentives to ditch their parking machines in favour of PayByPhone's cashless parking technology. Cashless parking improves air quality by eliminating the need for enforcement vehicles that would otherwise be on the streets collecting money from parking machines, collecting kilometres and releasing harmful emissions.

### One tone CO<sub>2</sub> for every ten parking meters

For municipalities that participate in the programme, PayByPhone commits to offset approximately one tonne of CO<sub>2</sub> for every

ten parking meters in the municipality through the Portel Pará REDD project, a Verified Carbon Standard (VCS) verified project that combats deforestation in the Amazon. For this purpose, a tree is donated to the community.

To participate in "Meters for Trees", PayByPhone customers must commit to reduce their parking meters and calculate the number of kilometres driven to collect money from the parking meters and maintain them. Implementing Meters for Trees is straightforward, quick and cost-effective; communities can make the switch at their own pace and still make an immediate impact by offsetting their emissions.

### 932 trees planted until today

The Royal Borough of Kensington and Chelsea was the first local authority to launch the scheme in 2019, removing 700

parking machines, which equates to an annual carbon offset of 70 tonnes as part of the Portel Pará REDD project in the Amazon. The removal of the parking machines eliminated theft and vandalism, which was costing the municipality around 120,000 Pounds annually, and saved the 23,000 kilometres per year that the machines travelled to collect and maintain money.

Since the launch of the programme, a further seven councils and parking providers have joined the scheme and PayByPhone has offset a total of 932 tonnes of CO<sub>2</sub> and planted 932 trees.

At a time when the fight against deforestation is more urgent than ever, Meters for Trees offers municipalities and parking managers a straightforward and cost-effective way to achieve their environmental goals while helping to leave a sustainable legacy for future generations. ■

Q-Park

# Innovative schemes in parking Park Lane Mobility Hub, London

The world of mobility is changing and a plethora of publications from our industry are looking at the future of mobility in parking facilities. Among the companies dealing with this is Q-Park. With the Mobility Hub in Park Lane, Q-Park has turned a concept into reality.

The Park Lane car park is situated underneath the famous Hyde Park in Central London. Q-Park have operated the Park Lane car park since 2011 under a lease from Westminster Council. The 981 space car park is on one floor which is approximately a quarter of a mile long, due to the size of the car park the two entrances are branded under different names which are Q-Park Park Lane and Q-Park Marble Arch.

The car park has always been popular with visitors to central London, Q-Park said, as it is on the edge of the congestion. As part of the planned reallocation of public space, cities will need to reallocate and share parking spaces, not just for car parking, but also for new mobility, pedestrian zones, cycle lanes and logistics areas for last mile delivery. This was particularly important in this part of London, as Oxford Street is considered one of the most polluted and congested streets in Europe.

With the establishment of the Park Lane Mobility Hub 2021, Q-Park realised the concept of turning the Mobility Hub into a mobility hub. In addition to parking spaces for residents, commuters and visitors, the Park Lane Mobility Hub also provides access to shared mobility, public transport and bicycle parking. Q-Park has added UFO Drive and Virtuo to the Mobility Hub, which exclusively offer all-electric vehicles that can be rented via an app. This system is ideal for tourists visiting London for short periods of time, they say, as they do not have to commit to lengthy rental contracts and can drive anywhere in the city without incurring charges. This will replace petrol and diesel vehicles with fully electric vehicles. For the EV's, the Mobility Hub contains 52 charging points.



The new Park Lane Mobility Hub from Q-Park is located in the centre of London.

Q-Park has also reached an agreement with DPD to set up a last-mile delivery hub in the car park. DPD will take deliveries from its own national hubs in the car park and then deliver parcels to customers located a short distance from the car park, meaning DPD can use all-electric delivery vans as they only have to travel short distances. There are also parcel collection and locker services in the car park to reduce the number of deliveries overall.

The Mobility Hub also provides retail space in an area where it is traditionally difficult to find. BMW have leased a large area of the car park to use as their forecourt for the handover of vehicles to their customers because their premises on Park Lane itself does not have the traditional forecourt that out-of-town showrooms have. Another example is Enterprise Rent a Car who took rented a retail as well as some parking spaces close to it to create a Branch for them to operate from. ■





# parking

CHINA

31.8 – 2.9.2022

Shanghai New International  
Expo Centre (SNIEC), China

Comprehensive platform  
for China's smart  
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[www.smartparkingchina.com](http://www.smartparkingchina.com)





20<sup>th</sup> EPA Congress & Exhibition 2022

## Major topics of the Congress – Exhibitor & Sponsorship offers launched

The 20<sup>th</sup> EPA Congress and Exhibition will be held in Brussels from 12<sup>th</sup> to 14<sup>th</sup> September 2022 and throws its shadows ahead. The Scientific & Technical Committee has defined major themes of the Congress, the official logo of the event has been published and exhibitor and sponsorship packages have been put together.

**P**arking professionals who already joined an EPA Congress know the advantages of this event. Not only the transfer of knowledge, but also the opportunity to meet or get to know experts from all over Europe as well as your peers are the outstanding arguments for participation. An experience that Vaclav Lukes, City of Prague, has made as a delegate: “ITS solutions are key to the management of cities. The only thing still being more important than ITS is the people passionately helping the cities to change. The EPA Congress is the ideal platform where these two elements meet and where anyone can exchange knowledge and listen to expert speakers.” Theo Thuis, Chairman of the Scientific and Technical Committee, is responsible for the contents of the planned presentations: “Our interdisciplinary team approach to define the themes and the programme for this congress reflects the dy-

amic change our industry experiences in these days. Cities are looking for more liveability for their residents and accessibility for their visitors. What is parking of all kinds of vehicles in connection with other modes of transport able to contribute? Parking as a Service in the context of sustainable urban mobility plans, management of more urban green space, urban attractiveness, new business models, new behaviour and new digital technologies are key trends to be discussed during the congress programme.”

### Topics of the Congress

Members of the Scientific and Technical Committee have defined the major topics of the Congress as followed:

#### Plenary Sessions:

- Keynotes/Roundtables /Talk shows/Presentations

- EPA EV SURVEY: the state of the art of the transition to electric mobility
- EU Green Deal from the European Commission
- Future of Parking in a disrupted Mobility Urban Scene
- Mobility, Infrastructure, Urban Planning, Citizens
- Post Covid Models – Disruptive situations, new opportunities, integration

#### 2021-2022 EPA Awards Ceremony

- 7 different award sessions and 18 finalists – EU State of the Art

#### Parallel sessions:

- Digitalization – Connectivity – APDS
- New Business Models
- UVARS: relationship between access management and parking management
- Young Urban Parking Professionals
- Park4SUMP





## The EU Green Deal and the Future of Parking Integrated Solutions for Dynamic Urban Management

12-14 September 2022 • Brussels, Belgium

# 20<sup>th</sup> European Parking Association Congress & Exhibition

- Curb Side Management - On Street Parking
- Mobility Hubs - Off Street Parking
- Managing Urban Logistics

### Opportunities for networking with decision makers

On the other hand, companies have the chance to draw attention to themselves, their products and services. This is a valuable and excellent opportunity to network with all the decision makers in the parking and mobility world. The Organisers have confirmed platinum and golden sponsors like FEBIAC, Rauwers Belgium, APCOA, ARVATO INFOSCORE, Ballast Nedam, EFFIA, Interparking, OPC, Q-Park and Renotec, who are supporting and bringing this event to life. Exhibitors can choose between a Standard, Bronze, Silver, Golden or Platinum Exhibition Stand Package, the corresponding booths are 3m x 3m (Standard/Bronze), 4m x 4m (Silver), 6m x 3m (Gold) or 6m x 6m (Platinum) large. The Organisers have sold over 50 booths to their sponsors and have still available 24 booths. In addition, there are other sponsoring opportunities to attract attention. This includes Wi-Fi sponsoring or the sponsoring of the

Conference mobile app. Coffee and lunch breaks, a welcome reception and the gala dinner can also be sponsored. A very special sponsoring relates to the carbon neutral certification of the EPA Congress and Exhibition.

### Field Trips

EPA is organizing field trips in Brussels with three experts in the field of mobility, which will start at 2 pm on 14<sup>th</sup> September. Firstly, the participants will have a chance to visit the Operation control room of Interparking located near Grand Place. Next, they will continue to Brussels South car park of Thalys operated by Q-park and finish by visiting the Parking Royal by Indigo.

### Awards

The European Parking Award has been established by the European Parking Association as a biennial award for excellence in parking. A prize can be awarded in five categories. The EPA Awards promote qualitative improvements in public car parking both on- and off-street. The contributions of the parking operation to parking policy, sustainable urban mobility plans and urban

development are important factors. In particular, the awards seek to promote improvements in services provided to the customers and effective and sustainable management of the facilities. They also promote the development of good working practices in on-street parking.

The winner in each category will be presented in a special ceremony during the 20<sup>th</sup> EPA Congress in Brussels, on September 13<sup>th</sup>, 2022. ■

<https://epacongress.eu/>

### Key Dates:

12<sup>th</sup> to 14<sup>th</sup> September 2022

Square Brussels Convention Center,  
Belgium

Early Bird Registration Deadline: 25<sup>th</sup>  
April

Standard Rate Registration Deadline:  
25<sup>th</sup> July 2022



Introducing the EPA members

## OID – Turkish Parking Association

“Association of Car Park Operators” was established on 27<sup>th</sup> February 2014 by public and private sector representatives. Otopark İşletmecileri Derneği (OID), headquartered in Istanbul, has become a full member of EPA in order to increase the quality level of parking culture and to continue its activities at world standards.

**T**he leading companies of the parking sector have come together under the umbrella of OID and prepared various projects to contribute to the creation of safe parking areas and to bring innovative solutions to mobility needs.

At “Intertraffic” held in Istanbul in 2015, new solution proposals were created by bringing together transportation professionals, academics, managers and city architects by organizing the “4<sup>th</sup> International Transportation and Parking Management Symposium”.

A resource called “Parking Design Planning Principles, Projects and Structures”, which the whole sector will benefit from, has been brought into the literature. In order to make parking as a profession and to provide a professional identity for parking and valet attendants, “The National Profession Standard for Parking Attendant” and “Parking and Valet Officer National Competence” studies were completed in 2018.

By starting the process with accredited institutions in 2021, hundreds of people were provided with the “Vocational Competence Certificate” with international standards. The website of OID is:

[www.otopark.org.tr](http://www.otopark.org.tr)

### Purpose of OID:

In Turkey, especially in Istanbul, it has been observed that the capacity of public and private parking lots and the current number of vehicles on the road are insufficient to meet the parking needs, therefore streets have begun to turn into car parks: A total capacity of 1,133,000 spaces in Istanbul, operated by the public and private sectors spreaded into 7,161 open, multi-storey and on-street locations.

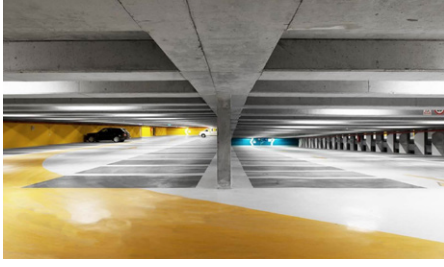
Representatives of the public and private sectors agreed on solutions for parking of vehicles should be modernized and systematic, in addition, decision-making processes should be made more active and a new mechanism should be established to accelerate cooperation. Representatives of the public and private sectors established OID in order to develop strategies and projects for parking solutions for vehicles, to share knowledge and experience on parking systems, and to ensure that regulations and legal regulations are implemented in a decisive way.

To summarize briefly: OID was established in Turkey to ensure that the parking areas for vehicles are managed in the axis of population-mobility-transportation-vehicle-ownership.

### OID's Goals:

- Promote best practices in parking and urban mobility,
- To standardize the functioning of the car park operators affiliated to metropolitan, provincial and district municipalities,
- Ensuring the implementation of parking regulations and legislation that will cover all local municipalities and private companies throughout the country,
- To support and implement sustainable, environmentally friendly and innovative solutions,
- To encourage parking investments in the sector by making them more convenient, to develop joint projects and business models,
- To facilitate parking operating procedures, to establish common standards at local and national level in the field of parking and mobility,
- To contribute to the cooperation of members, stakeholders and the international sector through information sharing, conferences, trainings, research contribution, data exchange and other related activities,
- Taking part in the development and implementation of projects in different countries of the world, sharing experience and providing application support,





- Informing and influencing the government and stakeholders to meet the parking management needs,
- Promoting innovation in a socially responsible manner and placing the consumer at the centre of satisfaction,
- Supporting projects to increase parking capacity, preparing parking master plans for the expanded region, province and district,
- To create a model for municipalities in the planning of parking, to support investment, operation and inspection processes,
- To further improve the standards and professionalism in the sector, ensuring that the parking and valet staff receive a "Vocational Competence Certificate",
- Contributing to the employment of personnel needed by the sector, with a trained and expert workforce that has a Professional Competence Certificate,
- Being a full and active member of other international organizations as well as being a full member of the European Parking Association, an organization that is compatible with our social goals and objectives and ensuring that other sector organizations become members of OID.

### Members:

OID's members within the Metropolitan Municipality:

- İSPARK A.Ş. İstanbul
- BELTAŞ A.Ş. Ankara
- BURULAS - BURBAK Bursa
- BELDE A.Ş. Kocaeli
- ULAŞIM A.Ş. Kayseri
- ERTANSA A.Ş. Erzurum
- BALPARK A.Ş. Balıkesir
- BELSAN A.Ş. Şanlıurfa
- İZELMAN A.Ş. İzmir
- KENTAŞ Eskişehir
- TEKULAŞ Tekirdağ.

### Private sector members of OİD:

- PARKTÜRK A.Ş.
- EMPARK TURKEY
- KULEDIBI KATOTOPARKI
- PRESTON İNŞAAT LTD. STI.
- ONPARK OTOPARK
- PARK EXPERT
- HİMTEK MUHENDİSLİK

*Contact to Turkish Parking Association:  
info@otopark.org.tr*

## Board of Directors:

- |                        |                                  |
|------------------------|----------------------------------|
| • Chairman:            | Hakan ORHUN (İSPARK A.Ş.)        |
| • Vice President:      | M. Kürşat ÇAPAR (BURULAŞ-BURBAK) |
| • Vice President:      | Kemal YAZICI (BELDE A.Ş.)        |
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## Working Commissions:

- Law, Technical ,Communication



3<sup>rd</sup> EPA POLIS webinar

# Digital systems on the move

Parking has been at the helm of this revolution as integrated payment systems, digitalised permits, autonomous surveillance infrastructure and new routing services have facilitated and enriched new and sustainable modal offerings. To explore this new way of digitalization forward, EPA, POLIS and PARK4SUMP convened for the 3<sup>rd</sup> edition of their joint webinar series to discuss the digital technologies and data management solutions which are transforming on- and off-street parking.

**T**his webinar was a foray into the web of applied digital solutions that enable integrated management solutions. Speakers from industry leaders, non-profit organizations, and local governments explained to over 250 attendees the concepts and technologies driving recent developments in parking management.

## The challenges in the digitalization of parking

New technologies, as well as the Corona Pandemic, have accelerated digitalisation trends in parking like Remote access and touchless systems.

“It is surprising how many people still struggle with parking services; it is a big challenge to make it as connected and accessible as possible- but there are a range of exciting opportunities” said Thomas Pühringer from Skidata. He added: “Future of parking has to be a lot more connected and simpler than today.”

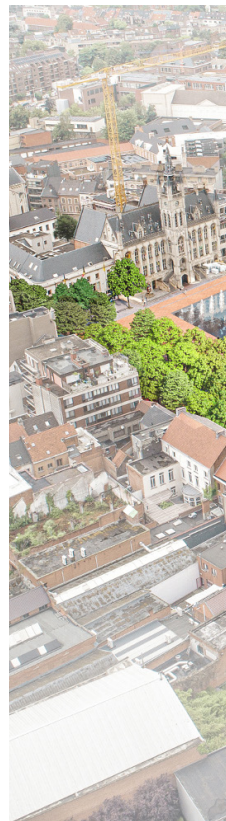
For more liveable and attractive city center the access to parking has to become much simpler. In addition to this, there should not be a registration needed for EV charging and parking, as well as easy payment via mobile phone. Another thing that can make the city centers more

attractive is the integration of more Park & Ride and Last Mile Delivery stations.

EV-charging facilities, contactless payments and routing have seen dramatic improvements, and Pühringer predicted that these would soon become the mainstay of parking operations. “Technology is at this point now!” he asserted.

However, he emphasised the necessity to continue to offer a good balance of digital payment and booking options and ‘old-world’ means during this transition phase to ensure parking is as accessible as possible.

Thierry Brusseau from FLOWBIRD described how omni channel user interfaces



The current status and the vision: The city center of Sint-Niklaas in Belgium is to be transformed into a green public space.

© City of Sint-Niklaas



are being used to manage the allocation and payment of the curbside use for an accessible and inclusive city. The Omni channel can integrate all kinds of channels like mobile apps and payment stations. FLOWBIRD is a software platform which helps local authorities to measure, monitor and manage traffic flows and parking, working with open payments and account-based ticketing. “In France, more than 90 per cent of parking terminal have been retrofitted or replaced to ensure digital capacities” Brusseau said.

For many cities, inefficient pricing, lack of data, congestion and search times for parking spaces are costly, polluting and time consuming. The Parking supply is not matching the parking demand. This can be solved by better data offers. Parking demand means that consumers use services from the multi providers. Those services are for example the determination of types and numbers of parking spaces of each tarif zone and the discovery of the areas and streets, where parking spots are most sought-after. “Our parking is currently being mismanaged, and it is a key asset which we cannot afford such inefficiency,” asserted Morten Høther Sø-



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#### Digital payment is one key factor in the digitalisation of parking.

rensen, who presented EasyPark's parking inventory and occupancy tool.

Indeed, according to a study of INRIX, drivers in London spend an eye-watering 67 hours a year searching for a spot, costing them 1,104 Pounds each in wasted time, fuel and emissions and the city as a whole 4.3 billion Pounds.

Peter Dingemans from Dingemans Management B.V. discussed the new applications and technologies for dynamic occupancy information. “We need to take a leading role in helping cities reduce CO<sub>2</sub> emissions and manage traffic,” said Dingemans. The objectives where we have to orientate ourselves are the parking policies and the reduction of search traffic and CO<sub>2</sub> emissions. “However, the level of integration is currently low, and data use is not where it should be.”

#### The perspective of the cities

The webinar then headed to the Belgian city of Sint-Niklaas to find out about some innovative new tools for parking management. The city has 39,000 inhabitants and is one of the Park4SUMP follower cities. The project is placing parking management as part of a wider strategy for freeing up public space, supporting local businesses, reducing search travel, generating revenues, and making the city more attractive.

Stefan van den Branden presented the city's plan for improving safety and liveability by avoiding cruising and searching for parking, by shifting on-street to off-street parking. Indeed, the vision for Sint-Niklaas's main square is a transformation from a car park to a green public space. One thing to get this transformation done was the integration of 35 “Shop and Go”-zones. These zones are designed for quick shopping where people →





→ can park free for 30 minutes. “We are also trying to change users’ mind-set encouraging them to park further from their final destination, combining parking with shared mobility and public transport,” van den Branden reported.

However, the city’s dynamic parking system still requires updating in order to ensure it fulfils mobility management demands, and upcoming procurement will include ways to measure, monitor and evaluate traffic flows, congestions, travel time and parking occupancy. A thing, that the city wants to integrate in the future are additional measurement systems like ANPR cameras.

Then the webinar travelled to the German city of Mainz, part of the FrankfurtRheinMain region. The city is a major transport hub and home to the fifth largest inter-modal port in Germany, it is an important component in European distribution and logistics.

The city is also undergoing a parking transformation, and the webinar heard from PMG Parken in Mainz, who operate over 10,000 parking spaces and 25 carparks, about the recent tech driven changes.

Christian Grzona from Evopark, the city’s long-term partner, presented on behalf of Parken in Mainz how the PMG organisation is adapting new rapidly changing parking demands with their Park&Go app, 24/7 operation central control room, high safety and usability



**Sint-Niklaas has so-called "store and go" zones where you can park for free for 30 minutes.**

© City of Sint-Niklaas

standards and comprehensive staff training.

In Mainz, parking is being treated as part of the urban landscape, not a separate, isolated entity, with Park & Ride Solution-providing free public transport for PMG users, opening bicycle parking- as well as access to discounted events and services across the city.

Grzona stressed the importance of cooperation with municipalities and public services when adapting to new regulations and sharing data on occupancy and tariffs.

The webinar closed with Keith Williams from the Alliance for Parking Data Standards (APDS), who joined the panel to deliver an overview of the how data is being leveraged to improve parking across Europe. APDS is a not-for-profit organization with the mission to develop, promote, manage, and maintain a uniform global standard that will allow organizations to share parking data across platforms worldwide. “This is a dynamic standard, that continues to be updated as new demands arise,” said Williams. ■

**Cameras are making a major contribution to the digitization of parking, for example as part of ANPR systems.**



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Last time in presence: EPA board members and delegates after the general meeting 2019 in Málaga.

© Marko Rüh

## EPA General Meeting 2022

# New president will be elected

After the 2021 General Assembly had to be held by video transmission due to contact restrictions, the 2022 General Assembly will again be held as an in person meeting. Delegates from national member associations will have the opportunity to attend after the EPA Congress in Brussels. An important item on the agenda

is the election of a new President. Laurence A. Bannerman is resigning after his fourth mandate having served as President for seven years enabling the incoming President to take office, in presence, at the General Assembly in Brussels. He has been active in EPA since 1992 in all the different working groups, councils and committees and a

Board member since 2012. He will be replaced in accordance with the statutes and will hand over the leadership of EPA to his successor. The meeting will follow the conference and is scheduled for Wednesday, 14<sup>th</sup> September, from 13:30 to 15:30. The meeting room will be the Copper Hall in Square Brussels. ■

## ParkingSwiss

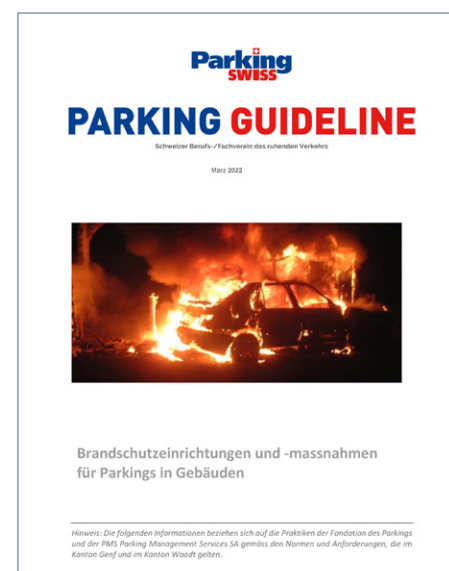
# Fire protection brochure

ParkingSwiss presents the Parking-Guideline of March 2022, a guidebook with information on “Fire protection equipment and measures for parking facilities in buildings”. In its publication, the Swiss professional and technical association for stationary traffic provides practical tips on fire protection in parking structures. In 14 chapters, practical advice is given with regard to the standards and regulations applicable in Switzerland. These serve to protect people, animals and goods from the dangers and effects of fires and explosions.

ParkingSwiss generally recommends that a fire extinguishing system be installed in all car parks. The presence of a fire extinguishing system makes certain other devices optional or even superfluous. A chapter also deals with the topic of “parking fields with charging stations for electric vehicles in buildings”. ■

**ParkingSwiss members can download the publication here:**

<https://parkingswiss.ch/publikationen/>





# STANDARDS

Alliance for Parking Data Standards

## ISO Formally Adopts Global Parking Data Specification

The Alliance for Parking Data Standards (APDS) is pleased to announce that the International Organization for Standardization (ISO) has formally adopted a global parking data specification based on the APDS specifications for vehicle parking and mobility data.

**T**hrough its world-wide membership, ISO brings together experts to share knowledge and develop voluntary, consensus-based, market relevant International Standards that support innovation and provide solutions to global challenges. The global ISO network includes a membership of 165 national standards bodies. The ISO utilizes its 803 technical committees to evaluate and approve the development and adoption of new standards. More than 24,000 ISO standards cover almost all aspects of technology and manufacturing, in addition to business, healthcare, transport, and now, parking and mobility.

### Background

In April 2019, APDS approached ISO to formally consider the APDS specification for adoption, establishing a global standard for parking data terms and definitions. Over the past three years, parking experts, along with experts from transportation, automotive, and related segments, engaged in discussions and review of the proposed specification. Following a formal review and consideration process, the 30 contributing National Standard Bodies participating in ISO's Intelligent transport systems Technical Committee (ISO/TC204) voted strongly in favor of developing and adopting the APDS standard as an ISO Technical Specification. This will be published

shortly as ISO TS 5206-1 "Intelligent transport systems – Parking – Part 1: Core data model."

### Importance

ISO standards are recognized globally and agreed upon by an international community of experts. Adoption of standards and specifications under the ISO umbrella allows for best practices and action across industries and for a variety of use cases.

- For consumers, APDS standards have the potential to enable drivers to find and pay for parking more easily, and further, will unlock the ability to incorporate parking into convenient, sustainable, multi-modal journeys for people and goods.





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## About APDS

Founded by the British Parking Association, the European Parking Association, and the International Parking & Mobility Institute, the Alliance for Parking Data Standards (APDS) is an independent organization supported by the APDS Board of Directors, their community of Affiliates and Supporters, and the generous support of Sponsors. Through APDS, the parking, transport, and mobility sectors are managing consensus-built, international parking and curbside management data specifications. These data specifications define a common language based on a set of data concepts and definitions that local authorities, public and private property owners, operators, and service providers can follow to facilitate communication between themselves and with other industries. The specifications facilitate seamless integration, compatibility, and communication between parking entities, mobility operators, the automotive industry, IT developers, ITS operators, services, map, and app providers, as well as other stakeholders.

- For parking and mobility organizations and providers, the adoption of APDS specifications allows our global community of Sponsors, Supporters, and Affiliates to better address industry-specific challenges. These include real-time data sharing, integration of technology platforms to create frictionless systems, and applications of dynamic technologies that maximize revenue, streamline innovation, and allow for the most sustainable and efficient use of on and off-street parking assets.
- For owners and operators, the APDS specification under ISO will streamline and boost innovation by reducing costs and using available resources better, providing the community with knowledge and best practices of global experts.
- For technology providers and industry suppliers, ISO standards for parking and mobility make companies more competitive by offering products and services that are accepted globally. The specifications allow more entities to enter new markets, providing new solutions to challenges in our sectors.

This progress will have and wide-ranging positive impacts for every market segment: smoother and more efficient operations, re-

duced congestion, and costs, reduced technical costs to enable data sharing, faster implementation of new technology, and a host of other benefits.

In a highly connected and digital world, the specification enables the parking and mobility industry to interact more effectively and collaborate with other sectors and communities that need access to parking-related services and data by providing a common structure and data definitions to interact.

Nigel Williams, Chair, APDS, offered insight into the importance of this global milestone: “The official adoption of the APDS specifications under the aegis of ISO offers tremendous benefits to the parking, mobility, and logistics sectors. APDS will drive change in those sectors by providing a universal language to facilitate sharing essential data across a multitude of technologies and platforms. We are extremely grateful to our APDS Sponsors, volunteer experts, and the parking and mobility community at large – their combined efforts and input have made this achievement possible.”

APDS and IPMI CEO Shawn Conrad, CAE, shared the impact of APDS on the industry: “Utilizing thousands of hours of

industry expertise from leaders around the world, APDS has effectively created a data specification that allows information to flow more freely and to be more understandable across all systems – that will ultimately better our industry and enhance the user and customer experience.”

### What's Next

APDS released Version 4.0 of the specifications in April 2022. Download the current Version online and subscribe to updates for the official release of Version 4.0 of the global specification for parking and mobility. The ISO Technical Specification will be available through the ISO website, or National Standards Bodies.

[www.allianceforparkingdatastandards.org](http://www.allianceforparkingdatastandards.org)

## Associate Members of the European Parking Association



1. **AeroParker & MetroParker**  
www.aeroparker.com



2. **Amano**  
www.amano.eu



3. **Arvato**  
www.finance.arvato.com



4. **Automated Systems**  
www.automated-systems.com



5. **CAME Parkare**  
www.cameparkare.com



6. **CCV**  
www.ccv.ne



7. **Commend**  
www.commend.com



8. **Designa**  
www.designa.com



9. **EasyPark**  
www.easyparkgroup.com



10. **Empark**  
www.empark.com



11. **EPCplc**  
www.epcplc.com



12. **evopark**  
www.evopark.de



13. **fair parken**  
www.fairparken.com



14. **Flowbird Group**  
www.flowbird.group



15. **GART**  
www.gart.org



16. **Genetec**  
www.genetec.com



Smart solutions for parking and refuelling

17. **Hectronic**  
www.hectronic.com



18. **HUB Parking Technology**  
www.hubparking.com



19. **Innovativ Parken**  
www.innovativparken.de



20. **Ispark**  
ispark.istanbul



21. **Metric Group**  
www.metricgroup.co.uk/



22. **MG COMM**  
www.mg-comm.com



23. **mycicero**  
www.mycicero.eu



24. **Nagels**  
www.nagels.com



25. **Orbility**  
www.orbility.com



26. **ParkTrade**  
www.parktrade.com



27. **PARKUNLOAD**  
www.parkunload.com



28. **Planet**  
www.Planetpayment.com



29. **SCANaCAR**  
www.scanacar.com



30. **Scheidt&Bachmann**  
www.scheidt-bachmann.de



31. **Skidata**  
www.skidata.com



32. **Smart Parking**  
www.smartparking.com



33. **UNIP**  
www.unip.biz



34. **White Label RAP**  
www.wl-rap.com



35. **Worldline**  
worldline.com/en/home.html





© Best in Mobility / Stefan Czakay

"Best in Mobility" is the new brand of Best in Parking, which offers e-sharing among other things.

## Best in Parking

# The parking garage becomes a mobility hub

Best in Parking AG, developer and operator of parking and mobility solutions, is setting the course for the future. As parking garages increasingly become important mobility hubs, the garage of the future must offer new services. Best in Parking is therefore launching the Best in Mobility brand.

The offer of Best in Parking's new brand includes e-charging stations powered by 100 per cent green electricity as well as two- and four-wheeled e-sharing vehicles for the "last mile". While e-charging is already offered at 48 Best in Parking locations in Austria, e-sharing is brand new.

### E-Sharing at four locations in Vienna

With e-sharing, Best in Parking expands the offer for individual mobility in the immediate vicinity. The primary target group is local residents who plan an excursion or go shopping with e-sharing. In addition, businesses in the immediate vicinity and long-term parking customers are addressed. E-sharing is currently available at two locations in Vienna, and the offer is to be

expanded by two more garages from April 2022. E-mopeds, e-scooters, e-load bikes, e-bikes and e-cars are available and can be booked in advance by the hour or day. For this, the customer has to install the Best in Mobility app and register. After confirming driver's licence and means of payment, the desired vehicle can be booked. Opening and closing the vehicle as well as using it is done via the smartphone. E-sharing is offered in cooperation with MO.Point.

### E-Charging: Parking and charging with simple and transparent billing

With the boom in electric cars, the range of charging points in Best in Parking garages is growing. E-charging in garages is particularly attractive for two reasons, according to

Best in Parking: Firstly, the charging process takes place "under roof" and is therefore completely independent of weather conditions. Secondly, parking, charging and payment are combined in one transparent process.

"Mobility needs are changing. More and more electric vehicles are parking in our garages, which is why we will continue to expand the charging network offer at our locations. Furthermore, sharing vehicles is becoming more and more popular. In addition to the connection to public transport, customers now have the possibility to easily and conveniently rent vehicles, from e-mopeds to e-cars, via app," explains Johann Breiteneder, CEO of Best in Parking. ■

Arivo / ÖBB

## No chance for parking offenders on Park & Ride sites

To prevent parking chaos in Park & Ride car parks, ÖBB, the Austrian Federal Railways, relies on the Graz-based company Arivo. The parking areas are monitored by means of number plate recognition, and only those with a valid public transport ticket are allowed to park.

**M**onday morning, 7.30 am. The new working week has begun, and the environmentally conscious decision is made to drive only as far as the nearest railway station and then change to the train. When you arrive at the car park, however, you are disillusioned: there is chaos and no free parking space in sight. Frustrated, you make your rounds, but finally, with a lot of luck and after a long search, you find a parking space. However, it is questionable whether you will use this Park & Ride facility again or even change to public transport, because easy and comfortable parking is not the way to go.

### Number plate recognition from Arivo helps

This is exactly the kind of frustrating situation that the Austria-based company Arivo wants to prevent. Their parking monitoring system allows only those people to park for free who actually use the train.

How does it work? With the help of number plate recognition. Every vehicle that approaches the parking space is registered by a camera, and the licence plate number is stored. When leaving the car park, the parker then has to scan his valid train ticket at the parking column. A green light then appears and the parker can exit. For the validity period of the ticket, it is then linked to the licence plate number and the ticket only has to be scanned once at the beginning. This saves parking operators costs, as the Arivo system eliminates hardware expenses. In addition, there is no need for a 24-hour call centre. As a parker, you save yourself the time-consuming search for a parking space, as only commuters are allowed to use the parking spaces.

### Easy payment

With Park & Ride facilities, the main thing is to be quick. Especially for those Park &



With Arivo's parking monitoring system, only commuters who actually use Park & Ride facilities can park there.

Ride facilities where fees have to be paid, the issue of time is an important factor. Most people don't have time to spend several minutes at pay machines. Especially if you change to public transport afterwards, it has to be quick. That's why all Park & Ride facilities equipped with Arivo offer the possibility to book and pay for tickets online in advance. But even if you don't want to use this service, it doesn't mean you have to spend time at the pay machine. Thanks to Arivo Pay, you can also pay open parking fees online afterwards. This saves valuable time in the morning and, of course, nerves.

Owners of season tickets have to spend even less time and nerves. They can register their licence plate once online and thus save themselves the regular payment process.

### Over 20 locations

Throughout Austria, smart parking and number plate recognition are now increasingly being used. For this reason, 20 ÖBB locations will be equipped with Arivo parking systems in 2022, with more to follow in the future. This parking solution

makes sense for all operators of Park & Ride facilities, but also for all those who operate parking areas in or near regulated parking areas. This is the case in the Austrian capital Vienna, for example. Because there, the area-wide parking space management has been in effect since 1<sup>st</sup> March 2022. This means that the whole of Vienna has become a short-stay parking zone. Outside your residential district, you are only allowed to park your car for a maximum of two hours. This is especially problematic for many commuters, as very few of them have a company parking space included. They then decide to leave their vehicle outside Vienna and continue their journey by public transport, such as the train. In order to ensure that the parking spaces at the ÖBB Park & Ride lots can really only be used by commuters free of charge, the parking monitoring system from Arivo is also used here. By means of number plate recognition, it is ensured that only those people who actually travel on by train park their vehicles in the parking areas free of charge. ■



Opinion

# Parking Garages can contribute to sustainability

Sustainability criteria are becoming increasingly important for real estate investors. New construction should not be the only consideration, says Mark Friesen, Managing Partner of Quinta Consulting.

Asset managers should give more thought to ensuring that their properties meet as many ESG (Environmental Social Governance) criteria as possible. It does not matter whether they manage real estate assets for insurance companies, funds or family offices. Moreover, investors often create pressure because they only want to have ESG-compliant properties in their portfolios in the future. The EU taxonomy and green finance requirements do their bit to keep the topic on the agenda.

When investors or asset managers think of ESG, they usually think of new buildings and core properties. But it is at least as important to make existing properties fit for ESG. This applies in particular to “second-tier” properties such as multi-storey car parks, underground garages, logistics areas or older shopping centres.

In the case of pure or mixed-use parking properties in existing buildings, this can be achieved, for example, through the use of

intelligent parking management technology, which ensures more efficient use of space, better traffic flow and less parking search traffic. With number plate recognition, advance bookability, multiple occupancy and dynamic tariffing, the possibilities of digitalisation can be used.

In order to contribute to the achievement of climate protection goals, it is also essential to provide sufficient charging infrastructure for electric mobility in parking facilities. Green facades, photovoltaic systems with battery storage and intelligent LED lighting systems can also make an important contribution to reducing the carbon footprint.

Finally, new forms of mobility such as sharing services for cars, (e-)bikes or e-scooters should be introduced. Garages thus become hubs for sustainable mobility. They can also be used as parcel stations or distribution centres for goods ordered online. Delivery providers in particular, such as grocery shippers who promise their customers to deliver orders within ten

## Author

**Dr Mark Friesen** is the founder and Managing Partner of QUINTA Consulting. He has more than 15 years of professional and consulting experience in the field of pricing. After a bank apprenticeship and business studies in Oestrich-Winkel, Chicago and Madrid, Dr Friesen completed his doctorate on the topic of "Price Fairness" at the University of St. Gallen. Since 2010, Dr Friesen has held lectureships in marketing and pricing at the University of St. Gallen, the Lucerne University of Applied Sciences and Arts and the MCI Innsbruck.



minutes by e-bike, are looking for centrally located spaces.

Owners such as operators of multi-storey and underground car parks have a special role to play in implementing these measures. They are almost always the largest gross space lessors or users. If they do their ESG homework, this has a knock-on effect on the property as a whole. The (residual) value of the property can increase, it becomes more sustainable because ESG criteria are implemented in a large part of the space. ■

Design - Build - Service

# Multi-Storey Car Parks with System





Busy hustle and bustle: The stands in the hall with the exhibitors from the parking management were well frequented.

Parking industry at Intertraffic 2022 in Amsterdam

# Glad to be back in presence

By Marko Ruh and Fabian Küpper, editors Parking Trend International

The mobility industry looked eagerly to Amsterdam at the end of March. After four years, Intertraffic finally took place there again. And it was a successful comeback: 800 companies from 49 countries showed their solutions, which were followed by 23,526 visitors. Parking trend was among them: We talked to exhibitors – in search of the latest trends, products and assessments.

It was almost as if Corona did not exist. Since 25<sup>th</sup> February, most Corona restrictions have been lifted in the Netherlands. This also means that masks are no longer compulsory at larger events. And so, the image of Intertraffic was reminiscent of that of the last fair four years ago, even though there was a little less going on. Many trade fair participants and visitors were pleased to finally be able to talk to each other face to face again. Lorenzo Modena, CEO of the Italian-based company OpenMove said: “Being here and interacting with people is something that we really needed to do. We sell B2B Mobility as a Service solutions to

large companies and in order to do that we need to build relationships and it’s just not possible to do that with someone that you have never physically met in person. We’ve been looking forward to this show for two years and it’s really important for us to be here in person.”

## CAME with 50<sup>th</sup> anniversary

In keeping with the comeback of Intertraffic, the Italian company CAME is celebrating its 50<sup>th</sup> anniversary this year. It was therefore a fitting occasion to present the Zero KM Service, a system that aims to reduce the time and cost of human intervention in preventive

and corrective maintenance. The service is available together with the new SPK parking system line – also exhibited on the CAME stand – and is based on three simple pillars: a new hardware design conceived in resistant modular kits that can be quickly and autonomously replaced by any parking facility staff; intelligent software that informs and guides staff in real time, guaranteeing autonomy in both preventive and corrective interventions; and finally, a modular and intuitive structure supported by artificial intelligence algorithms that can guarantee unprecedented business continuity. The stand completed section for vehicle access control, where



products like the brushless barriers and the new barriers GARD GT4 and GT 8 were presented.

**Fleischhauer celebrates 150 years**

“Cheers to 150 years!” was the motto at Fleischhauer’s stand 12.127. The team of the manufacturer of tickets, cards and RFID products was happy to celebrate the company’s 150<sup>th</sup> anniversary together with customers and partners. So was Philipp Halbach, Managing Director of Fleischhauer: “After twice relocating the world’s most important trade fair for the parking industry, it was a special pleasure for us this year to meet our long-standing customers, interested parties from numerous countries as well as our OEM partners at Intertraffic in Amsterdam.”

The company from the Ruhr region, based in Herne, Germany, showcased its wide-ranging product portfolio in the field of tickets and cards at Intertraffic 2022. The certified parking tickets and access media from guarantees smooth system operation worldwide millions of times every day – basis for stable and trusting customer relationships. “The many encounters and good conversations at our anniversary stand were a perceived return to trade fair normality. The reunion with many long-standing business partners was my personal highlight,” Halbach said afterwards. “We can be very satisfied with our trade fair appearance at Intertraffic. The number of contacts and the concrete prospects that have resulted from many discussions allow us to look optimis-



“Everyone was thrilled to see each other and meet up and do business face to face. In terms of atmosphere it was undoubtedly the happiest of any trade show that I can remember.”

Joyce de Winter, Director Intertraffic at RAI

tically to the future. From our point of view, Intertraffic 2022 was a very successful event.”

**EasyPark – learning from Scandinavia**

Big topics for parking management are digital and smart parking, electromobility and the distribution of public space. EasyPark Group showed the full range of its services in these areas. A fairly new feature is Camera Parking, an application that focuses mainly on off-street parking. It is mainly al-

ready in use in Scandinavia, the USA and Great Britain. In suitably equipped car parks, EasyPark customers can be identified with ANPR (Automatic Number Plate Recognition) cameras. Customers only pay for the actual parking time, the app automatically debits the amount. Other new features of the EasyPark app: it not only shows free parking spaces, but also e-charging stations.

Number plate recognition is strategically very important for the online service provider: Nico Schlegel, Managing Director of EasyPark Germany, believes that thanks to it, the trend towards contactless and ticketless parking will continue to grow. Customers who have once had the exciting experience of contactless parking will want to repeat it, he says. Big advantage for operators: the prices for this technology continue to fall. According to Nico Schlegel, the price for a camera has dropped significantly in recent years. The Swedish company offers Camera Parking at many airports and dynamic pricing has also been introduced at several locations. For example at Stockholm Arlanda Airport.

Another big thing for EasyPark is e-charging. Johan Birgersson, the outgoing CEO of the EasyPark Group, said at Intertraffic in Amsterdam: “We want to become a Visa for e-charging”. That means a universal payment method – the EasyPark app – for all charging points, regardless of the operator. Especially in Scandinavia, this could pay off in the near future. “Nor-



EasyPark showed their whole bandwidth of digital parking services at the Intertraffic.



Comeback: After four years, the Intertraffic could finally be held again.

© Fabian Küpper

© Fabian Küpper



Without restrictions: Intense and stimulating conversations.

→ way is the pioneer in electric mobility,” Birgersson explains. And so is Sweden. According to a study, 50 per cent of Swedes plan to buy an electric car soon. EasyPark wants to be the solution in a bundled app for parking and charging.

Strategically, hardware is losing importance. “Technology is shifting more and more to the backend,” adds Birgersson. Another example is EasyPark’s penetration into the infotainment systems of car manufacturers such as Mercedes-Benz, Volvo, BMW and Polestar. At the same time, the Swedish company offers numerous services for parking operators to make payment processing convenient and with little office work. On the customer side, the company wants to make the parking search as well as the payment and charging process more efficient and convenient. There is a lot to learn from Scandinavia, Johan Birgersson and Nico Schlegel stress to Parking Trend.

**Hectronic with ev-charging solution**

Electric vehicles also play a more and more important role at Hectronic. The company from southern Germany presented a charging solution for e-cars called HecPay Eco. The terminal is completely cash- and paperless and is aimed primarily at cities, municipalities and parking operators. HecPay Eco offers customers a choice of several charging stations. Once they have selected one, they can still customize the charging options. Marc Albrecht, Product Manager Parking at Hectronic explains: “Customers can easily make contactless payments by

credit or debit card and by smartphone. The use of common charging cards as well as the authorization of station and city cards is also possible without any problems. And of course, the barrier-free and contactless payment process for ad-hoc charging is in line with the charging station ordinance, which comes into force in mid-2023.”

At the fair, Hectronic also presented an advanced version of its “evergreen”, the Citea parking ticket machine. This new version features a newly developed front made of stainless steel and a larger display. Hectronic continues to rely on a two-lane model system – with a version for Germany. This has to do with the fact that “Germans still love coins”, according to a spokesperson. He added: “Other markets are much more digital in this respect.” The problem in Germany, he said, is that many municipalities still fear the risk of citizen complaints due to a lack of cash payment options. Hectronic therefore manufactures vending machines with coin processing as well as for cashless payments. The cashless variant is cheaper to manufacture.

**DESIGNA focuses on displays**

DESIGNA is a regular guest at the Intertraffic in Amsterdam. This year, the Kiel-based company presented a new corporate identity, which could not be overlooked due to its stand location directly at the entrance to the “parking” Hall 12. The equipment design, with which DESIGNA attracted attention and has already won prizes, was also unified.



The inner workings of a parking ticket machine.





© Fabian Küpper



Parking Trend spoke to training manager Martin Ströde about the technological trends behind the enclosures. Ströde has been working for DESIGNA for over 20 years and knows the industry inside out. According to him, displays play an important role. With the help of “digital screenage”, as the technical term goes, advertising and information can be presented on all devices and solitary display boards, if desired also as a split display. “We are well prepared for dynamic pricing as a coming trend with the diverse displays on our equipment portfolio,” says Ströde. Demand-oriented flexible prices can only be communicated transparently and successfully with the help of easy-to-read displays. The customer should be able to see at first glance which rates are currently valid. Another major trend in the parking industry, according to Martin Ströde, is ANPR. This is accompanied by developments towards “ticketless” and “barrier-free”. Until that point is reached, DESIGNA offers hybrid devices as a transition, “for beginners”, so to speak, which make both possible: Number plate and parking ticket as entry media. On the technical level, the Internet of Things, or IoT for short, is playing an increasingly important role, allowing the lane devices to “talk” to the pay stations and the platform in the cloud.

DESIGNA was very satisfied with its presence at the trade fair. The stand was very well attended throughout. Martin Ströde described it as a good decision to be back after the enforced break: “We are in a ‘good mood’ and glad that it is starting again in presence.”

### RTB with new payment terminal for charging stations

RTB takes a very similar view. Immediately after the four days of the trade fair, Managing Director Rudolf Broer thanked all visitors to the RTB stand: Intertraffic 2022 had been a complete success, he said, and that was already apparent instantly afterwards. “Despite the adverse conditions, the professional exchange has been very valuable for many visitors to our stand,” said Broer, and continued: “The diverse suggestions from partners, most of whom we have known for a long time, and the dialogue with potential new customers – that’s what makes a successful trade fair.”

The German company presented its diverse portfolio, including solutions from the parking and e-mobility sectors. An eye-catcher were displays in various designs that facilitate orientation in car parks. Numerical displays as well as zone displays based on LED technology were shown, which are freely configurable as full matrix displays.

A highlight in the field of e-mobility was a new payment solution for charging stations: the Giro-e Pay-T credit card terminal. RTB Managing Director Matthias Rieger described to Parking Trend the advantages of the new device, which was developed in cooperation with GLS Bank from Bochum. On the one hand, it offers customers the possibility to pay for charging processes nationwide with a universal medium. On the other hand, with the Pay-T, operators have a terminal that works completely independently of charging stations and, with the GLS Bank, a partner that takes care of the entire payment process in the →



→ background. The Giro-e Pay-T offers an integrated display with contactless PCI-DSS-certified credit card reader, PIN entry option and SIM modem and can be installed either free-standing next to charging stations or on house walls. It is planned to combine several charging points at one terminal. According to Matthias Rieger, this is much more cost-effective than installing a payment device at each charging point. The number of connected charging points is scalable.

**ATB – from Saudi Arabia to Europe**

A rather broadly positioned company is ATB. Among other things, the German company showed an ANPR solution called HonestPark. ATB's main focus, however, is on building parking ticket machines and access systems for barriers. Here, ATB operates on two tracks and manufactures both cashless and cash-receiving machines. While the parking ticket machines are used both on- and off-street, the access systems have a QR code scanner and an NFC reader. The new machines are said to be more maintenance and IoT friendly and have a larger display than the previous model. So far they are only being used in Saudi Arabia, but a deployment in Europe is planned, a spokesperson said. ATB also makes solar-



Crowd puller: SKIDATA at the smart mobility area.



With a new corporate identity: DESIGNA presented itself with a new brand identity and also showed parking ticket machines in a new design.

powered lighting systems that can be used in car parks.

**GeBE sees demand for ticket printers**

However, not all exhibitors of the fair are convinced of a ticketless future: GeBE, for example, doubts that the demand for tickets will decrease in the next three to five years. A spokesperson for the company explains that ticketless technology is not for everyone and that the changeover will not work overnight. On the contrary: more print heads have been sold than in previous years. GeBE's customers, such as Flowbird, are also further developing their existing vending machines and continue to rely on GeBE's solutions. Moreover, GeBE is constantly being approached by new customers for its printers. At Intertraffic GeBE presented their new thermal printer. This printer works – as the name says – with heat and





Among other things, the Spanish company Circontrol presented contactless payment terminals.

**projekt W – first time in Amsterdam**

Newcomer at Intertraffic was the specialist for car park fall protection systems projekt W. The company, which is managed by its shareholders, manufactures 100 percent of its products on its 12,000 m<sup>2</sup> factory premises in Salzkotten near Paderborn. With the promise "Made in Germany", projekt W sells its fall protection systems throughout Europe.

Martin Kieroth, responsible for international sales, explained the advantages of the INTEGRA-pw car park fall protection system, as the product is called. The patented system combines personal fall protection and car impact protection. "It keeps out cars weighing up to 2.5 tonnes and travelling at speeds of up to ten kilometres per hour," says Kieroth. Depending on how the lattice elements are attached, this can be increased even further. The maximum support-free span is 5.5 metres. Conventional protection such as a crash barrier is no longer necessary. According to the manufacturer, INTEGRA-pw car park fall protection meets the legal requirements of the German state building regulations as well as the generally applicable European standards for collision protection systems in car parks. Handrails made of galvanised steel or stainless steel as well as sheet metal

cladding for glare protection are optionally available.

**Successful return of Intertraffic**

Intertraffic Amsterdam, the world's leading trade event for infrastructure, traffic management, smart mobility, safety and parking finally brought the industry back together again in Amsterdam. The 50<sup>th</sup> anniversary edition made up for lost time and both exhibitors and visitors looked back on a very inspiring and productive week.

Joyce de Winter, Director Intertraffic at RAI, is very satisfied with the way the event went: "We are very proud to have an in person show again. There was a great vibe everywhere on the show floor. Everyone was thrilled to see each other and meet up and do business face to face. The complete lifting of Covid restrictions by the Dutch government that came into force on 23<sup>rd</sup> March certainly helped, with mask-wearing on the show floor now a matter of personal choice. One thing missing was Chinese exhibitors and groups of Chinese delegates but travel restrictions meant that was not possible. Attendance levels were encouraging, our halls were permanently busy and the constant hum of people reassuringly familiar. In terms of atmosphere it was undoubtedly the happiest of any trade show that I can remember." ■

does not need ink. The ink layer on special thermal paper is exposed by the heat. This method is said to be not only environmentally friendly but also cost-effective, as the printer requires virtually no maintenance.

**Parklio registers "lively interest"**

Blömen VuS presented their Parking Management System (PMS). This system gives parking operators the possibility to control on- and off-street parking spaces with special physical blockades, that can be opened and closed automatically. With the application, the operators can accurately record and organise parking spaces and tell users in real time where to find a free space. "The lively interest of the trade fair visitors at Intertraffic shows that we hit the nerve of the time with these solutions", said Rune Happe, project manager of Parklio at Blömen VuS.

# Smart Parking to take centre stage at Parking China in late August

With new government policies in place to support the industry in China, this year's Parking China will return in August with a focus on the latest smart parking technologies and industry trends. Industry professionals will have a chance to seize new opportunities at the leading event for parking in China. The fair will be held at the Shanghai New International Expo Centre (SNIEC) from 31<sup>st</sup> August – 2<sup>nd</sup> September 2022.

**W**ith the rapid development of the economy and the continuous rise of car ownership, the demand for parking is increasing in China. According to the latest figures released by the Ministry of Public Security of China, the number of motor vehicles in the country reached 395 million units in 2021, an increase of 6.32% compared to 2020. Among them, new energy vehicles reached 7.84 million units, up 59.25% year-on-year. Driven by market demand, an increasing number of urban parking facilities continue to be opened, allowing the industry to further develop. However, the country still faces many parking-related issues, for instance, a shortage of supply capacity as well as insufficient management. The Chinese government is aware of these problems and has proposed a range of parking policies in recent years to overcome these challenges. In particular, a notice published last year points out that regional governments should accelerate the building and digitisation of new parking facilities. Also, more charging facilities for new energy vehicles should be allocated.

The policy also encourages further developing parking technologies, and implementing smart parking services that include information inquiry, parking reservation, electronic payment and other functions. Cities and municipalities at all levels are aiming to create an urban parking system that can meet the basic needs of the public by 2025, and to upgrade to a fully supplied, intelligent, efficient and accessible parking network by 2035. This long-term goal is expected to lead to strong growth in the parking industry within the



next decade, along with the emergence of additional new technologies and products.

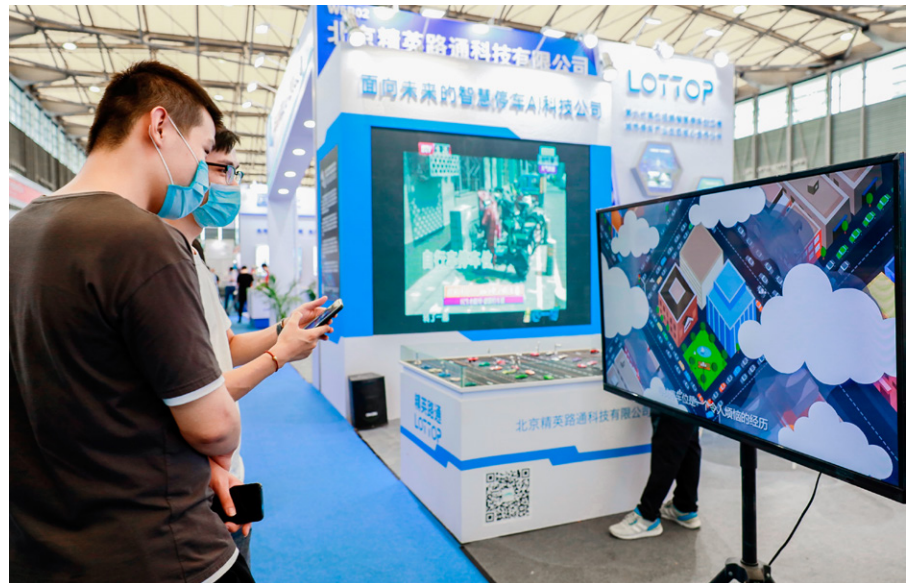
## Trending smart parking solutions to solve parking challenges

Prompted by the government's new policies and the latest developments in the market, companies have increased their investment for the research, development and production of parking products. The smart parking in-

dustry, which integrates artificial intelligence, 5G, the Internet of Things (IoT) and other advanced technologies, has become the most popular sector in this field. This year's Parking China will showcase a range of innovative smart solutions and parking-related products, including:

- City-level smart parking platforms, parking big data, artificial intelligence, autonomous driving, positioning and navigation solutions





- Charging pile equipment and accessories, charging facility construction and operation solutions
- Mechanical parking systems & components, parking robots
- New energy vehicle service operators, Internet of Vehicles solutions
- Car park supporting facilities and products
- Parking service applications, new media solutions for car parks, environmental design in parking facilities

The show also gathers leading manufacturers and service providers in the parking industry, providing an effective platform for the global parking business to connect with the entire supply chain. Featured exhibitors include Shandong Expressway, Baidu Apollo, Beijing Yunxingyu, Xiamen Zhongka, Shangying CheLian, Jiangsu Ruolin, JustTrust, Jiangxi Shanshui, Ting Yitong, Dabo, Boxun, Huasai, Deya, Zhebo.

In addition to showcasing cutting-edge parking technologies and products, a series of extensive concurrent events will also take place during the show, offering fair-goers opportunities to exchange their ideas about the latest industry developments. These events will be organised in the form of forums and seminars, where industry experts will discuss future trends in smart parking, share innovative technologies and case studies, helping participants to keep up with the ever-changing business environ-

ment. More details of the concurrent events will be announced at a later date.

Exhibitor registration is now open. Interested parties can find out more here: <https://parking-china.hk.messefrankfurt.com/shanghai/en/planning-preparation/exhibitors.html>.

For more information, please visit [www.smartparkingchina.com](http://www.smartparkingchina.com), follow on WeChat through 'ParkingChina\_MF' or send an email to [parking@china.messefrankfurt.com](mailto:parking@china.messefrankfurt.com).

Parking China 2022 will once again be held concurrently with Shanghai Intelligent Building Technology (SIBT), Shanghai Smart Home Technology (SSHT) and the Shanghai Smart Office Technology (SSOT) zone. Together, the four concurrent events will create a one-stop sourcing platform, encompassing the major areas of the smart industry ecosystem. An extensive range of themes will be covered, including 5G, AIoT, big data, smart offices, smart buildings, smart communities, healthy offices, energy conservation, home security and more.

For more information about Shanghai Intelligent Building Technology, Shanghai Smart Home Technology and Shanghai Smart Office Technology zone, please visit [www.building.messefrankfurt.com.cn](http://www.building.messefrankfurt.com.cn).

The events are also part of Messe Frankfurt's Building Technologies fair portfolio. For more information on Building Technologies worldwide, please visit <https://building-technologies.messefrankfurt.com>. ■

## Non-binding calendar of events

For 2022 as well, the following still applies: Please note that the events listed here may not all necessarily take place as planned. This depends on the further course of the COVID19 pandemic and local regulations.

### 2022

25<sup>th</sup>-27<sup>th</sup> May

#### Intertraffic Istanbul

Istanbul, Turkey

[www.intertraffic.com/en/istanbul/](http://www.intertraffic.com/en/istanbul/)

14<sup>th</sup>-16<sup>th</sup> June

#### PARKEX 2022

NEC Birmingham

Birmingham, United Kingdom

<https://www.parkex.net/>

22<sup>nd</sup> – 23<sup>rd</sup> June

#### AIPARK P-Days

Florence, Italy

<http://www.pdays.eu/pdays/>

23<sup>th</sup>-24<sup>th</sup> June 2022

#### Fachtagung BV Parken

Steigenberger Grandhotel

Petersberg

Königswinter

<https://www.parken.de/>

12<sup>th</sup>-14<sup>th</sup> September

#### 20th EPA Congress and Exhibition

Square Brussels Meeting Centre

Brussels, Belgium

<https://epacongress.eu/>

30<sup>th</sup> November

#### Kompetenzforum

Würzburg, Germany

<https://www.parken.de/Termine/>

### 2023

28<sup>th</sup>-29<sup>th</sup> June

#### PARKEN

Rhein Main Congress Center

Wiesbaden, Germany

[parken.mesago.com/wiesbaden](http://parken.mesago.com/wiesbaden)

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GUIDING. PARKING. CHARGING.

# BIG CAR, SMALL GAP?

INTELLIGENT SOLUTIONS FOR  
DEMANDING PARKING GARAGES!



Dynamic size

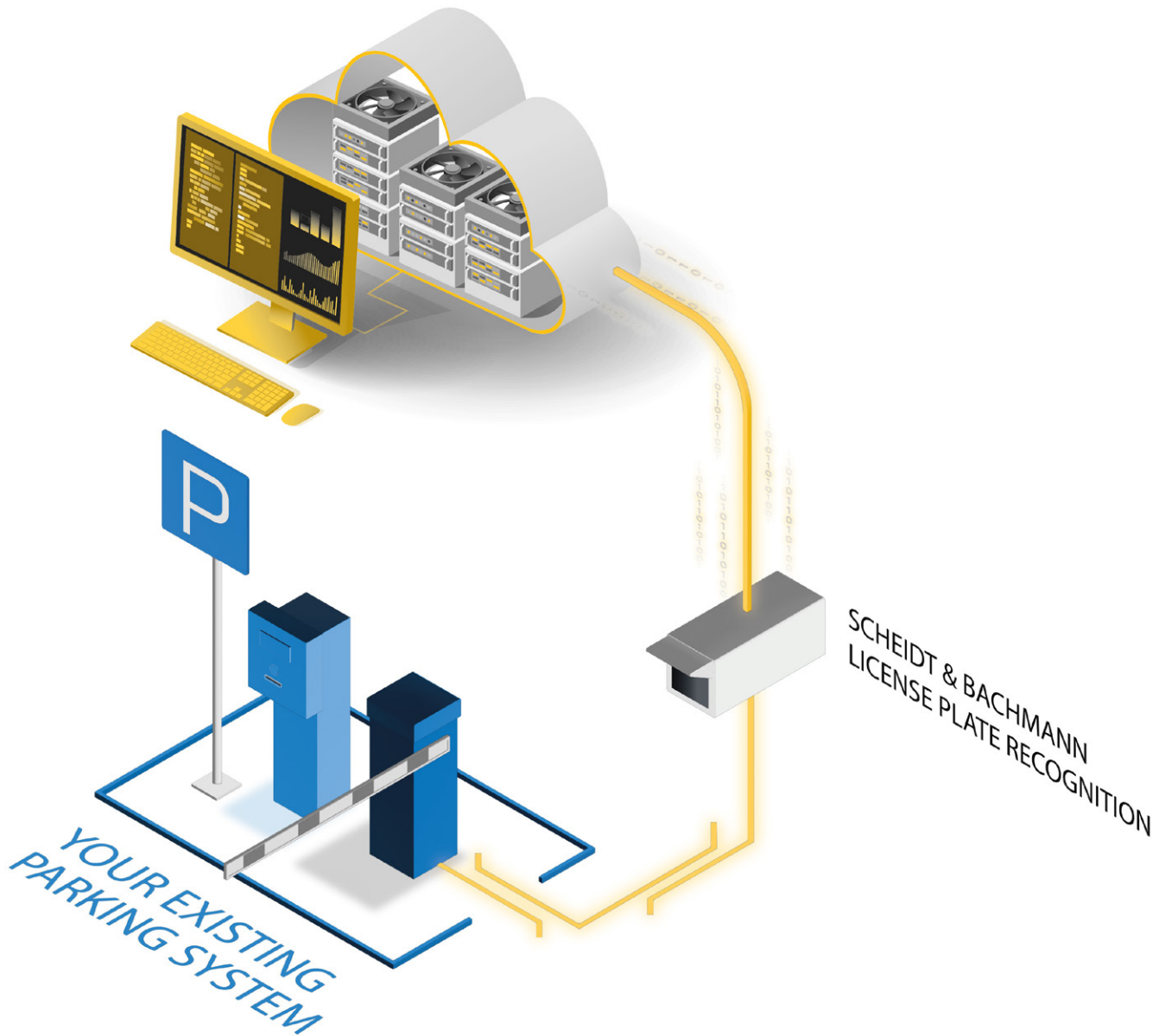


Displays



Level indicators

# / entervo infinite



Let us be your guide into the digital world of parking! We complement your existing installation - hassle-free, future proof investment and manufacturer-independent.

Easy to navigate digital products for your customers, with a modern, customisable, web presence. A simple solution to allow your mobility service partners to integrate with.

And the best bit – you don't have to replace your existing system!

Ease of use + low cost installation + partner integration = Satisfied customers.

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