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TRAFFIC LIGHT FACILITY

RADAR / LASER

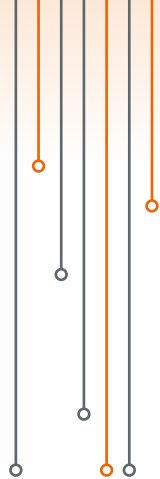
PARKING

ELECTRIC MOBILITY

INTERNATIONAL

SPECIAL

PARKING: It's on everyone's mind



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EDITORIAL

Dear readers,

Hannover Messe 2019 was an impressive exhibition that reinforced the mega trends shaping the future of traffic technology. 5G and digitization, Industry 4.0, and artificial intelligence are the main topics on everyone's minds today.

And it has become clear that the future of mobility belongs to electromobility. Yet, it is noteworthy that many companies, even the larger ones, are still looking for a complete solution that can fulfill the requirements these trends pose. An insufficient number of parking spaces and a non-existing charging infrastructure mean there are new challenges to be overcome as quickly as possible.

RTB has the right solutions in place to address exactly these challenges. For example, we make parking more intelligent and simpler by using artificial intelligence methods in product development.

But that's not all. Our commitment to innovative traffic light solutions won't take a back seat to parking demands. We continue to develop new and innovative ideas in this sector too. Take, for example, our very popular LOC.id app.

We look forward to further discussions with you.

Sincerely,

Heiner Thöne
-Sales-



FEELING OPTIMISTIC

VW CHARGES FORWARD WITH ELECTROMOBILITY

Seventy new models by 2025 and 22 million units within the same period of time—the Volkswagen Group is even more committed to electromobility than previously announced. This confirms the notion that the future belongs to electric vehicles. And Volkswagen's ambitious goals make one thing clear— we are on the path to electromobility and there is no going back.

At the core of planning for the largest automobile manufacturer is the modular electric drive matrix (MEB). This platform, which the Group also plans to offer to its competitors, should make fast growth in the electromobility industry possible. By 2030, the number of electric models offered by VW and other manufacturers is anticipated to grow up to a good 40 percent. Electric vehicles will no longer be pigeonholed as a product with low production numbers. Now that the Volkswagen Group is putting the electric gas pedal to the metal, the entire infrastructure around electromobility will develop quickly as well.

But how is that supposed to work? It comes down to an enormous investment program. By 2023, the VW Group plans to invest a whopping 30 billion euros in its vehicle electrification portfolio. The first concept of these vehicles, known as I.D. models, will each cost around 30,000 euros, making electromobility attractive to not only the wealthy. This strategy will have a positive effect on the environment. By 2025, Volkswagen plants will emit 50 percent less carbon dioxide (CO₂) than in 2010, making production more green.



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HANNOVER

Electromobility is everywhere. There's no better way to sum up the Hannover Messe from the perspective of the mobility industry. Even representatives of partner country Sweden were very interested in the new technologies exhibited at the trade show. Prince Carl Philip of Sweden took an extensive tour of the exhibition premises to learn more. And RTB's showing at the five-day exhibition can only be seen as very positive, with Hannover Messe 2019 producing many new contacts and ideas.





OVER MESSE 2019



Reflecting on Hannover Messe 2019 with pure satisfaction

A COMPLETE SU

Hannover Messe 2019 was a firework show of innovations for an international audience from various economic sectors and industries. Approximately 6,500 exhibitors presented their latest solutions to more than 220,000 visitors. And RTB was right at the center of it all. Numerous discussions with visitors at our booth proved that our most recent state-of-the-art solutions have hit the nail on the head.

Intelligent parking is key: RTB's NOSCO hybrid camera system offers extremely high detection accuracy in the parking garage - a level of accuracy that has not been achieved before. This means that available parking spaces are always filled at the highest rate possible. NOSCO, which consists of a sensor and a unit for signal processing, can be seamlessly integrated in RTB's LOBO

parking guidance system. RTB now offers a camera and radar sensor in one system for consolidating the captured data.

Innovative charging is also key: KORMO, RTB's state-of-the-art charging system, is a solution far superior to previous designs. This solution uses the time needed to charge an electric vehicle with extreme efficiency. And all the while, safety remains a top priority. The charging station is not supplied with power if there is no vehicle connected for charging. Other advantages include compliance with calibration requirements and secure and easy billing.

However, the challenge for many companies and organizations is introducing innovations in electromobility to daily life. Due to the sustained





**HANNOVER
MESSE**

ACCESS

economic boom and a significant increase in the number of employed people, parking spaces are becoming scarcer. That is why existing parking spaces - even those needed to "refuel" electric vehicles - must be used optimally. Less traffic that results from searching for a parking space and reduced idle time at charging stations can help ease the ecological transition to electromobility.

Hannover Messe 2019 also demonstrated that we should take full advantage of the possibilities on offer when it comes to digitization and artificial intelligence. This is another area in which RTB is a pioneer. By implementing tools and methods from these two areas, we are opening doors to brand new features and functions.



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PARKEN



RTB brings charging and parking together

PARKEN 2019

PARKEN 2019, to take place in Wiesbaden June 5-6, is Germany's only trade exhibition to also host a symposium on the topics of planning, engineering and operating stationary traffic equipment. More than 110 exhibitors will present their latest products and innovations at PARKEN 2019. RTB will be there too, of course.

The exhibition in Wiesbaden covers the industry's entire range of solutions, from classical parking space equipment to payment systems and smart mobility. Visitors of PARKEN will be experts in the field, such as parking system operators, technical experts and management from the construction and building management sector, as well as public administrators, smart mobility start-up entrepreneurs, architect firms, and service providers.

RTB plans to highlight the following as part of its exhibit: in light of the dynamic growth in electromobility, it is imperative that parking and charging go hand in hand in the future. The trade show and its symposium will feature presentations based on real-world examples of tailor-made solutions for stationary traffic, as well as new ideas for typical scenarios. PARKEN 2019 in Wiesbaden is a must-attend event and, at the same time, an industry highlight. It's the only one-stop-shop for all of the information you need on the latest innovations and current trends in the parking industry.



Key topics at the DBSV Symposium in Berlin

QUIET CITIES AND ACCESSIBILITY

Two key topics were presented by the German Federation of the Blind and Partially Sighted (DBSV) at its latest symposium in Berlin. “Quiet cities and accessibility” was the motto that could also be seen as an appeal.

Minimizing traffic noise is an important concern that impacts the quality of life in cities and communities. As part of a panel discussion, participants examined how implementing the Federal Emissions Control Act and complying with the Equal Opportunity Act for Persons with Special Needs can sometimes conflict. RTB offers powerful solutions that regulate acoustic signals so that they assist the blind and visually impaired, while simultaneously regulating traffic light noise so that residents are not disturbed excessively.

Furthermore, presentations and discussions focused on how cities can design public space to be accessible and how electromobility is the beacon of hope for quieter cities. At the center of it all was a question that arose time and again: how can we best support people with disabilities without ignoring the interests of other individuals who share the road?

Mutual understanding and putting oneself in another’s shoes can result in a partnership based on fairness.

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RTB push buttons and acoustic units

A GREAT DEMAND

RTB has made exciting experiences in opening up a completely new market for modern road traffic technology. The presentation of future-oriented products and solutions for the North American market will take place from Canada.

When equipping traffic lights with auxiliary devices such as acoustic units and push buttons, North America is a lucrative market. RTB receives fantastic support from associations for the blind. Its devices are known for a design developed entirely from the user's perspective. That explains why there is great demand for these solutions in numerous cities. The level of commitment from participating local business partners is also noteworthy.

For RTB, developing the North American market is a central component of the continued internationalization of its business activities. RTB currently exports its products to more than 40 countries, and the number continues to grow. And these countries are not just "richer" nations. RTB partner countries in Europe also include, for example, Bulgaria and Romania.





MIELE'S C-LEVEL IS IMPRESSED

When visiting RTB, management from the Gütersloh-based company Miele & Cie. KG were positively surprised. Managing partner Dr. Reinhard Zinkann and authorized representative Hans Krug, head of Central Purchasing, were excited about the company's positive corporate culture. "It is striking that the employees are enthusiastic about the products they produce and are committed to their customers. It is obvious they like to work for RTB", concluded Dr. Zinkann, great-grandson of Miele co-founder Reinhard Zinkann.

During an extensive tour of the fast-growing medium-sized company, RTB managing director Rudolf Broer explained the company's focus on international growth and presented the current product portfolio. Dr. Reinhard Zinkann was im-

pressed by RTB's extraordinary cooperation with the integration service provider INTEG GmbH based in Bad Driburg. Miele is active in a variety of social causes and works successfully with numerous integration service providers.

Dr. Zinkann was enthusiastic about the mission of INTEG founder Heinz Nixdorf - to integrate disabled persons in society by paying a livable wage, in contrast to other plants for the disabled. The visitors from Miele were also very interested in the use of artificial intelligence methods in product development, and they were clearly impressed by the early introduction of younger people to modern technology.

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REDUCING MOTORCYCLE NOISE

In only three years, RTB has developed numerous systems for reducing motorcycle noise at various locations in Germany. Eifel National Park and the city administration of Göppingen are already installing a second system because they were more than satisfied with the sustained effecti-

veness of the first system. The residents are very thankful that policy makers and administrators took the issue of motorcycle noise seriously and found state-of-the-art solutions to solve the problem.



INTERACTIVE EXHIBITION BOOTHS

The question is, are we presenting something to the visitor or are we presenting the visitor (unfavorably)?

STRONG HEADWIND

The German Federal Ministry of Transport plans to permit e-scooters on sidewalks, which is not exactly a popular idea with everyone. Lead accident researcher Siegfried Brockmann of the German Insurance Association warns that accidents could occur more often. After all, the quiet and fast e-scooters not only present a substantial risk for older people but also for the blind and visually impaired. Policy makers intend to implement this permit quickly. By the end of May, the regulatory plans of the Minister of Transport will already be in place.



Picture Sources: RTB GmbH & Co. KG, www.stock.adobe.com