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Traffic Light REPORT

The magazine for traffic technology

SCOOTER-APP STARTED

EDITORIAL

Dear Readers,

RTB is expanding its international presence. And that's good! Because that's how I found my way into the RTB team. Since the beginning of 2022, I have been the new man for the Asian region in the newly founded sales company RTB Safe Traffic Asia Ltd. in Hong Kong.

Everywhere in Hong Kong you come across RTB push buttons and acoustics, so these products have been with me for a long time. And now I get to ensure that they provide safety and accessibility throughout the Asia-Pacific region. A first major project is casting its shadow ahead. Under the motto „Hello Hong Kong," the city is welcoming visitors from all over the world, and RTB products will soon be helping to make the city smarter and more intelligent at the airport.

And the topic of PARKING is naturally also of great importance in a metropolis like Hong Kong. Lots of traffic and little space, so intelligent solutions are needed, especially in view of the smart city of the future.

We will keep you up to date, stay tuned!

Wallace Chun Yip Chiu

VERSATILE ALLROUNDER

Effective parking management is essential for optimal utilization of existing parking spaces. Especially when space is at a premium, every gap counts.

RTB's parking ticket machines provide innovative solutions that can now do even more. For the management of small, enclosed parking areas in particular, the company has come up with something that has now been used for the first time in Croatia. A parking ticket machine has been installed at an access there as a ticket machine that issues a QR code ticket at the touch of a button. Instead of having to visit a pay station before exiting, the QR code can be used to pay directly at the exit at another parking ticket machine. This communicates via the corresponding PDM.control software, which controls the barrier. In this way, the ticket and pay machines are combined in one single device.

Another advantage is for permanent users of the respective parking areas, because they can request a QR code permanent ticket via the operator, which is issued for their vehicle and then billed separately. Free ride ahead!

Reliable TWO-WHEEL DETE

RTB has been successfully relying on proven radar technology in various areas for a long time to guarantee the detection accuracy of the products used. But what exactly is RADAR? And what innovations are there?

RADAR stands for Radio Detection and Ranging and is a method for detecting and determining the position of fixed and moving objects using electromagnetic waves. Radar sensor technology is used for non-contact detection, tracking and localization of one or more objects. A signal is emitted in the form of radar waves that moves at the speed of light and cannot be perceived by humans. As soon as this signal encounters an object, it changes and is reflected back to the sensor, similar to an echo, where the information about the detected object is subsequently processed for identification and localization.

THE FOLLOWING FEATURES SHOW THE VERSATILITY OF RADAR TECHNOLOGY:

- Non-contact detection
- Anonymous, since e.g. persons are not identifiable, as is the case with cameras
- Extensive information about distance, speed and direction of movement
- Three-dimensional environment detection possible
- Large detection range
- Material penetration

ECTION

RTB already relies successfully on radar in the area of vehicle detection. And just in time for the start of the season, there is the next innovation in this area:

TOPO.bike - BIKE DETECTOR

Strengthening sustainable cycling is at the top of the political agenda. The goals are to relieve congestion on inner-city traffic routes, protect the environment and reduce noise in cities. A variety of approaches are already in place to make cycling more attractive, such as the „green wave" for bicycles. This is where the new TOPO.bike sensor from RTB's TOPO product family comes in. Because in order to know exactly what is happening on the bike paths and to optimally plan traffic control in this area, you need highly precise data. TOPO.bike delivers this - reliably and affordably!

„MONOPOLY" *Position*

In the direct vicinity of the Monopol colliery in Kamen, an architectural masterpiece has been created that visually follows the old winding tower and, since February 2023, has been the new home of RTB Elektronik GmbH & Co. KG.

What is special about the building is not only the acute angle, which at 68.5 degrees corresponds exactly to that of the winding tower, but also the open terrace, which opens up a view of the old mine site. Inside, the heart of the building - the Steigerbar - is impressive with its 180m², bar character and mining elements. It will not only serve as a break room, but will also be used for events. In May 2023, the new RTB building in Technopark will be officially inaugurated. Then the premises will also be used for training and for experience exchange with our customers from the Rhine/Ruhr area. You can already look forward to it. But until then, one or the other moving box still has to be unpacked, which the team, that has grown to 22 people in the meantime, is certainly happy to do in this ambience. The long-term goal is to further expand the development in Kamen and the foundation for this has been laid with the attractive „monopoly" position of the new RTB building.

THIS IS WHAT YOU WILL ..

...NOT...

BECAUSE THAT'S WHERE WE MAKE PARKING TO YOUR EXPERIENCE and the latest technologies, software solutions and projects a topic of conversation.

Are you looking for innovative parking solutions? Enjoy parking with us at the RTB stand and challenge our creativity for your project.

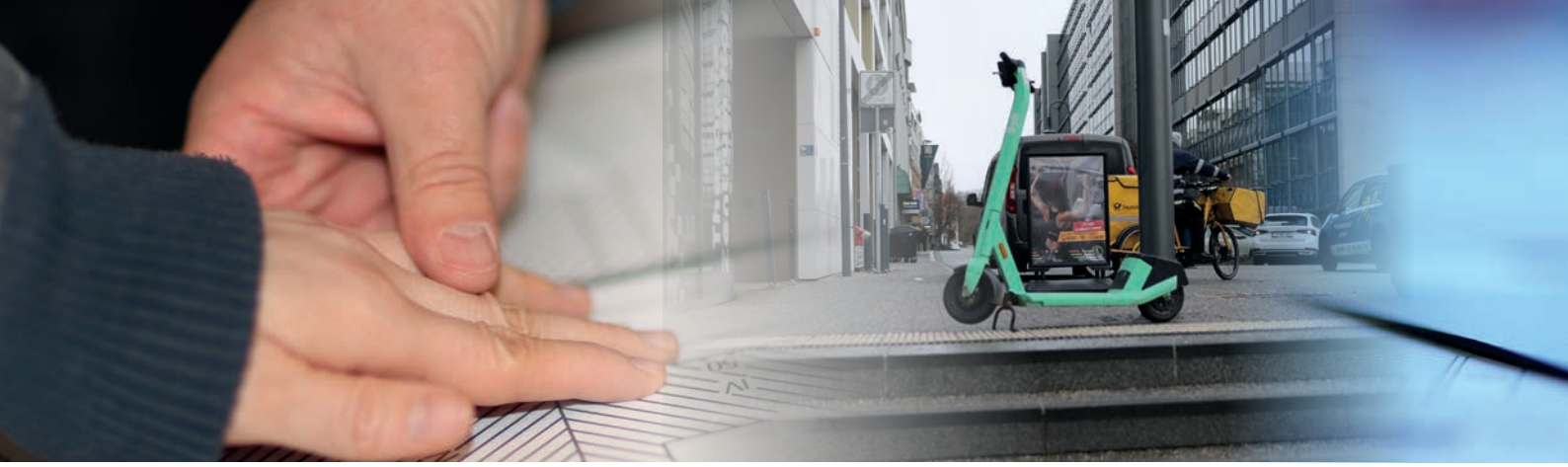
FIND AT PARKEN 2023!

PARKEN

Fachausstellung und Fachtagung
für Planung, Bau und Betrieb von
Einrichtungen des ruhenden Verkehrs

WE AR ON SITE!
WIESBADEN
28. - 29.06.2023
STAND SÜD - B51

www.rtbsafetraffic.com



LOC.id IN THE FIELD TEST

It is no secret that there are often obstacles or even dangerous situations in the everyday life of blind and visually impaired people, especially with regard to mobility. Particularly construction sites or e-scooters standing or lying around present special challenges that have to be faced.

With the LOC.id technology, RTB has developed a way to defuse these hazardous areas by means of timely, acoustic signaling. A large-scale field trial recently took place in the city of Halle an der Saale to find out whether this technology provides improved orientation, acceptance and thus greater safety among users. The Future Center for German Unity and European Transformation now planned in Halle once again proves that this is an ultra-modern, open-minded city that will comprehensively address the issue of social transformation and where great importance is placed on the area of research.

A total of 61 concerned people from a very heterogeneous group, aged between 11 and 81 years, participated. They were professionally accompanied by rehabilitation instructors on the approximately 600 m long test course. On the circuit, acoustic locating points were installed for better orientation, a construction site situation was simulated, and standing and lying e-scooters were placed. Beforehand, the test subjects were able to get an overview of the course and the obstacles using tactile models.

For the test, smartphones with the installed LOC.id app were used. These could be carried in the jacket or trouser pocket or on a strap. Active use is not required, so hands remain free at all times. When a test person approached the construction site, time-delayed, differently perceptible signals were activated at the site entrance, making the entrance clearly detectable. In the case of approaching one or more e-scooters, they emitted a signal that became louder depending on the distance. As soon as the app user turned away, the signal fell silent.

After completing the test route, the participants were surveyed using predefined questionnaires. The questionnaire asked for general assessments of the respective traffic situations as well as personal opinions about the LOC.id solution and its use.

The results were consistently positive. All participants rated the LOC.id technology as good to satisfactory, and all of them would also use it in everyday life. In addition, valuable suggestions for improvement were made and further areas of application were identified for which LOC.id could also be suitable.

The first cities throughout Germany will successively use this app solution in the area of e-scooters starting in May 2023. More cities and e-scooter providers will follow starting in fall 2023.

LOC id

FRAGEBOGEN I

Alle Angaben sind freiwillig.
Auf Angaben zur Person kann verzichtet werden.

Name: _____

männlich ☐ weiblich ☐ Zeitpunkt der Erblindung bzw. des Sehproblems: _____ Alter: ☐

Frage 1-4: E-Scooter
Frage 5: Finger
Frage 6-8: Baustell

RTB INTERNATIONAL

Following its successful entry into the North American market, RTB has set itself another international goal: expanding its business in the Asia-Pacific region.

But anyone who now believes that RTB has not been active there so far is mistaken. The company has a long-standing business relationship with Hong Kong, where traffic signal systems have been equipped with push buttons and acoustics from RTB for more than 20 years and the city is one of its largest international customers.

It was therefore only logical that the first, own sales subsidiary was founded there at the end of 2021. RTB Safe Traffic Asia Ltd. started business in January 2022.

The aim is to spread RTB products beyond the borders of Hong Kong so that, in addition to push buttons and acoustics, parking will also play an increasingly important role in the Asia-Pacific business. The first promising projects are casting their shadows ahead. Stay tuned for what we have to report from the Far East in the next issues.

PROXIMITY DESIRED

After a long period of distance, there is one area where proximity is particularly important, even necessary. And this is the area of NFC technology.

NFC means Near-Field Communication and is an international transmission standard based on RFID technology that enables the contactless exchange of data. It is now used in a variety of ways and is also integrated into almost every current smartphone. However, there are also other areas in which NFC technology is in demand, for example in transport technology.

Especially in local public transport, there are situations that are safety-relevant or access-restricted and therefore need the request of release signals. For these situations, RTB offers a special solution - the NFC or key button. This is installed at a point that is strategically easy to reach for bus/train drivers and activated by means of a transponder. In this way, for example, access routes can be released (bollards, barriers, gates, etc.) and signals (light signals) can be switched. And to ensure, that this works, the proximity between push button and transponder is required!

TRADE FAIR OVERVIEW 2023: WE ARE LOOKING FORWARD TO YOUR VISIT:

10. - 12. May
Sight City, Frankfurt

25. - 28. June
IMSA, Reno, Nevada

28. - 29. July
Parken, Wiesbaden

21. - 23. September
Connect, Paderborn

Woof Woof

TASTER-TREATS

Hopefully the four-legged friend didn't upset his stomach. This wouldn't have happened with the „big" RTB push buttons, because they can withstand a lot. They defy weather and environmental conditions and even vandalism don't mind.

INTERESTED VIP

On the sidelines of the field test in Halle, RTB Managing Director, Rudolf Broer, met a particularly interested person - actor **Roman Knižka**. Known from numerous TV series and crime series, his career, however, began on the theater stages. And what a coincidence: in his first role he played a blind man. This was also the reason for his particularly great interest in our LOC.id test in Halle.

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