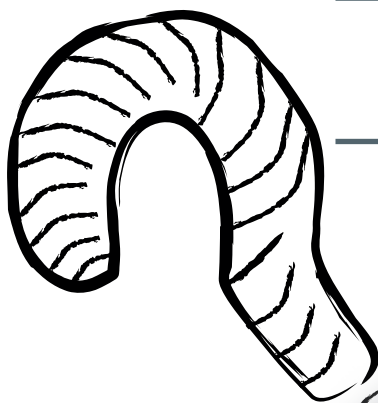




traffic light REPORT



Magazine for traffic engineering



INNOVATION IS NOTHING

MORE THAN THINKING





EDITORIAL

Dear readers,

We're full of energy and innovative ideas as we face into 2021. The coronavirus pandemic is the main concern in Germany, Europe, and the entire world. However, we're also thinking ahead to when covid-19 is behind us because the virus will eventually be overcome with vaccines.

In the midst of this crisis, it's important for us as a company to ensure that our portfolio is diversified. The product diversity for which RTB is famous is of huge benefit to us, as it allows us to make suitable offerings. Our consistent focus on service—in line with our motto "Authentic people. Reliable products"—is also paying off in tangible ways right now.

Our new radar push button got off to an extraordinarily successful start following its European launch in Düsseldorf (see page 4). Our installation of a NOSCO hybrid camera in the ski resort of Kleinwalsertal marked another milestone. We're also beginning to get excited—as we're sure you are too—about the next big industry event, the ITS World Congress 2021 in Hamburg (see page 8).

Until then, we'd like to say a very special thanks to you all for your loyalty. Our new packet prices for push buttons and acoustics have huge benefits to offer so please feel free to contact us for more information!

Sincerely,


Heiner Thöne

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BAST

BAST inspection: TOPO achieves TZ5 for the first time

TOPO REAL-TIME

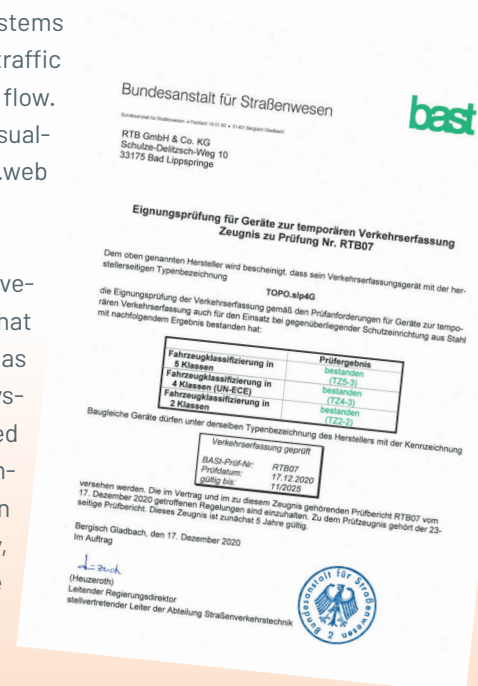
| | | | | | | | | | | | |
|----------------------|---|---|---|---|--|--|---|---|---|---|---|
| TZ4 | | LVm(37) nk Car    | | | | | SGV(34)    | | | Bus(5)  | Motorcycle(10)  |
| TZ5 | | LVm(37) nk Car    | | | | | Truck(3)  | Truckk(4)    | | Bus(5)  | Motorcycle(10)  |
| Basic classification | Bicycle(230)  | nk Car(6)  | Partially covered Car(250)  | Car(7)  | CarA(2)  | Truck(11)  | Truck(3)  | TruckA(8)  | Tractor-trailer truck(9)  | Bus(5)  | Motorcycle(10)  |

The next generation is here! Our TOPO.slp.fsk, TOPO.box.fsk, and TOPO.bigbox.fsk systems performed very well during recertification for the TZ4 quality standard. As a result, the Federal Highway Research Institute (BAST) awarded us TZ5 certification for the first time. This means that our systems can now be used for official traffic recording by the BAST.

In addition, all TOPO systems will now have an integrated communication unit to guarantee compliance with the 4G/LTE standard, which means that real-time/live data can be retrieved from the systems. This innovation is particularly useful for congestion forecasts and setting up temporary diversions, for example. Other applications include permanent census stations and long-term

census stations. The TOPO systems can be installed in front of a traffic light system to control traffic flow. The real-time data can be visualized very easily using our DD.web or other platforms.

As well as these clear improvements, the remote control that was used for about 10 years has been replaced. The TOPO systems can now be controlled using a smartphone (iOS, Android) instead. This innovation also improves data privacy, as the TOPO.app meets more rigorous security standards.



EUROPEAN PREMIERE



In Düsseldorf, capital city of the state of North Rhine-Westphalia, eight contactless radar push buttons have been installed at various pedestrian crossings. The beating heart of the new push button is a radar sensor, which allows pedestrians to request a green sign without touching the button.

"This innovative solution for road users is now being tested in Düsseldorf—the first time this technology has ever been used in Europe. If the result of the evaluation following the test phase is positive, this innovative button will be incorporated, as needed, into any traffic light systems that are due for an upgrade," explains Cornelia Zuschke, Head of the city's Traffic Department.

The radar push button detects pedestrians as they approach the traffic light system. As pedestrians move closer, they trigger a green request without having to touch the button. The range within which the request is triggered can be set in four increments from 10 cm to 70 cm.

The radar push button is visually striking, with its black color and LED strips mounted on the side for added visibility. When pedestrians approach the radar sensor, it sends the request to the control device, as signaled by the usual "Please wait" acknowledgment field.

It is important to note that the button on the underside for blind users remains unchanged. RTB has also developed a touch-free alternative for blind pedestrians—LOC.id.

SAVINGS DOUBLED: Find out about our package prices for push buttons and acoustics. These could save you up to 10%!

Frankfurter Allgemeine ZEITUNG FÜR DEUTSCHLAND PRESSE REVIEW DIE WELT Süddeutsche Zeitung



Düsseldorf, Landau, Dachau, Hong Kong—these are the first locations where the innovative radar push buttons are being installed, enabling contactless green requests. On the occasion of these milestones in traffic technology, many national media outlets published reports on RTB's timely new product.

The long list of daily newspapers and television networks that covered the story—including the Frankfurter Allgemeine Zeitung (FAZ), Süddeutsche, Welt, Spiegel, WDR, and RTL—is indicative of the hugely positive response elicited by the radar push button. Both we and our customers—who are pioneers in applying the technology—are delighted with the impressive press coverage the company has received.

As indicated by the large number of positive headlines and reports, the radar push button has come at exactly the right time. Not only is the new product in demand during the coronavirus pandemic, when everyone is striving to keep contact to a minimum. It also points to the future direction of traffic technology.



MOBILITY APP

Blind and partially sighted pedestrians can also benefit from contactless road crossing—thanks to our LOC.id system. Using an app on their smartphones that acts as a transmitter, users are detected by the traffic lights and a green request is activated automatically for them. Locator Tone / Walk Signals or spoken information help blind and partially sighted pedestrians find their way around easily and safely.

LOC.id also offers a much greater benefit. As a “search app”, the system acts like an electronic guide dog to guide people through the “app jungle”. The active LOC.id on the user’s smartphone finds relevant apps for the user and the situation. The system opens these apps or recommends to install them.

This application is possible thanks to the collaboration between many companies from various sectors (public transport, traffic light systems, navigation, elevators, etc.). This represents an important step towards removing barriers and enabling real accessibility!



KORMO.mobil



The "Eichamt", the German Bureau of Standards, is just as busy today as it has always been. Sirivan, pictured above, is holding an old taximeter with a calibration mark dating from 1973. Things are a little more advanced these days!



Now, as climate protection and urbanization are becoming increasingly important, the trend towards electromobility is continuing apace. RTB is actively involved in shaping the evolution of the e-mobility concept and we are fully committed to engaging with this topic. KORMO, our intelligent charging system, has been certified as compliant with the official calibration regulations of the PTB, the National Metrology Institute of Germany.

KORMO connects parking space monitoring and charging points. Another example of just how important user-friendly products are to us. In the near future, the KORMO.mobil app that offers a wide range of functions will be available. It shows the status of charging points and indicates which charging points are free.

As a result, users on the move can get a quick overview of completed transactions and can also control charging processes remotely from the KORMO.mobil app. Push notifications also ensure top-quality information.



ELECTROMOBILITY

Simple, fast, reliable, and safe - that's our promise!

ITS World Congress 2021 in Hamburg

The ITS World Congress is held every three years. As most other trade fairs in 2021 have already been canceled, this meeting point for the industry has become even more important than usual. And all the more so for Germany and its European neighbors because, this year, the ITS World Congress is due to be held in Hamburg from 11 to 15 October. The event will focus on intelligent traffic systems, including automated and connected driving, modern infrastructure, and sustainable mobility.



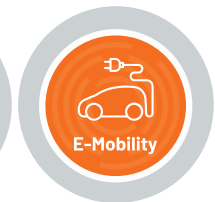
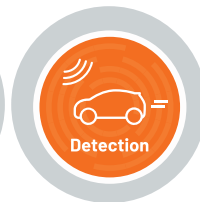
INTERTRAFFIC postponed once more

The popular INTERTRAFFIC event—the largest trade fair for traffic technology, hosted in Amsterdam—has been postponed once again. The next staging of the event will now take place between 29 March and 1 April 2022. By then, the covid-19 pandemic should be well behind us.

~~2021~~
2022

>> Live from the RTB Studio <<

Both personal and business meetings have been significantly reduced due to the coronavirus pandemic, as we seek to contain the virus as far as possible. To ensure that you can still stay up to date and that we can continue to provide you with personal service, we've developed something new—the RTB Studio. Using Microsoft Teams and other tools, we can provide you, on request, with personalized information about specific products and solutions. We can also arrange a live online meeting with you if face-to-face contact isn't possible. We hope you'll take advantage of this opportunity!



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