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traffic light REPORT

Magazine for traffic engineering

ITS WORLD CONGRESS

THE FUTURE OF MOBILITY



(From left to right)
 Klaus Hahn, President of the German Federation
 of the Blind and Partially Sighted (DBSV),
 RTB Managing Directors
 Matthias Rieger and Rudolf Broer with
 Gerhard Renzel,
 DBSV Commissioner for Construction and Traffic.

EDITORIAL



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Dear readers,

Digital challenges and continuous progress in mobility development require courageous, goal-oriented decision-making. That is why we have taken a courageous step with the founding of SMS - Smart Mobility Services GmbH. Together with the German Federation for the Blind and Partially Sighted (DBSV), RTB has moved one step closer to an important milestone in accessibility.

More than 80 percent of all blind people use their smartphones for mobility. Numerous apps offered by a variety of providers aim to make access to public life permanently easier. But the number of options available can also make things more difficult, as DBSV President Klaus Hahn notes. That's why the DBSV, together with RTB, has introduced an app that brings together the many standalone solutions. Companies from different sectors of mobility (indoor navigation, elevators, public transport, traffic signals, construction sites) understand that it takes joint action to reach this goal. This is how the innovative network was founded. In addition to offering the app, another important goal is supporting and training blind users how to use it.

The network and groundbreaking project will be presented for the first time at the ITS World Congress in Hamburg, October 11 to 15, 2021. All interested parties are cordially invited. RTB will also have a booth that will no doubt offer plenty of new things to discover. Come be amazed. See you in Hamburg!

Sincerely,

Rudolf Broer
 - Managing Director -

HAMBURG

GOES MOBILE

This fall, the ITS World Congress will take place in Hamburg. From October 11 to 15, 2021, the Hanseatic City will be all about intelligent traffic systems and services.

The city expects to welcome 3,500 delegates and 400 exhibitors from more than 100 countries to discuss the future of mobility in metropolitan areas, the digitalization of transport, and improving living and environmental conditions in cities. Future challenges will be determined by how all transport systems are interconnected and if an attractive infrastructure is available to all road users.

A day for visitors on October 14, which complements the trade congress and trade fair, aims to provide citizens and all interested parties with as



HAMBURG
ITS World Congress
11 - 15 Oct 2021

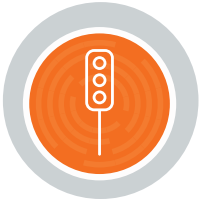
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many live experiences as possible. For example, there will be organized tours to more than 50 ITS projects, as well as many informational events and hands-on activities.

Of course, safety comes first in Hamburg, too! That is why the event will follow a flexible hygiene plan, which can be adapted to the current situation at any time, to ensure that the health of visitors and exhibitors is protected.

Together with you, we look forward to the innovations, numerous technical papers, and in-person discussion at the event. Hamburg here we come!





LOC.id

THE INNO



With the goal of breaking down barriers to mobility and advocating for true accessibility, a special network has been established under the umbrella of the German Federation of the Blind and Partially Sighted (DBSV). Companies from public transportation, indoor navigation, traffic signals, construction sites, and elevator manufacturing have joined forces to turn the notion of the LOC.id app into reality. It is an infrastructure-to-X application for pedestrians that could potentially save lives. Especially those of the most vulnerable road users, such as the blind and partially sighted, who must face a wide range of dangers and difficulties in their everyday lives.

This is exactly where LOC.id lends a hand. LOC.id is an app on the user's cell phone that acts like an electronic "guide dog" to check out the current situation and detect any relevant applications (apps) that apply in that moment. If one is found, the application is either opened on the cell phone or a recommendation is made to install it. When it comes to car-to-x communication, LOC.id also offers a forward-thinking approach that guarantees people with impaired vision safe mobility when sharing the road with autonomous, electric-powered vehicles.

Currently, more than 15 companies from the sectors mentioned above have joined the project, and more are welcome to join! Further information will be available at the ITS World Congress in Hamburg.

NETWORK MEMBERS



SUPPORTERS





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DBSV stand- The Network: B7.411

INNOVATIVE NETWORK

THE KEY TO ALL APPS



INDOOR NAVIGATION



ELEVATORS



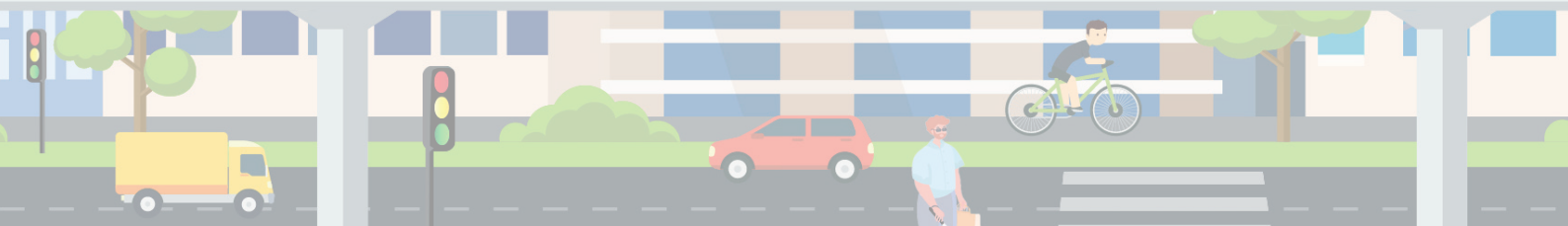
PUBLIC TRANSPORTATION



TRAFFIC LIGHT SYSTEMS



CONSTRUCTION SITES





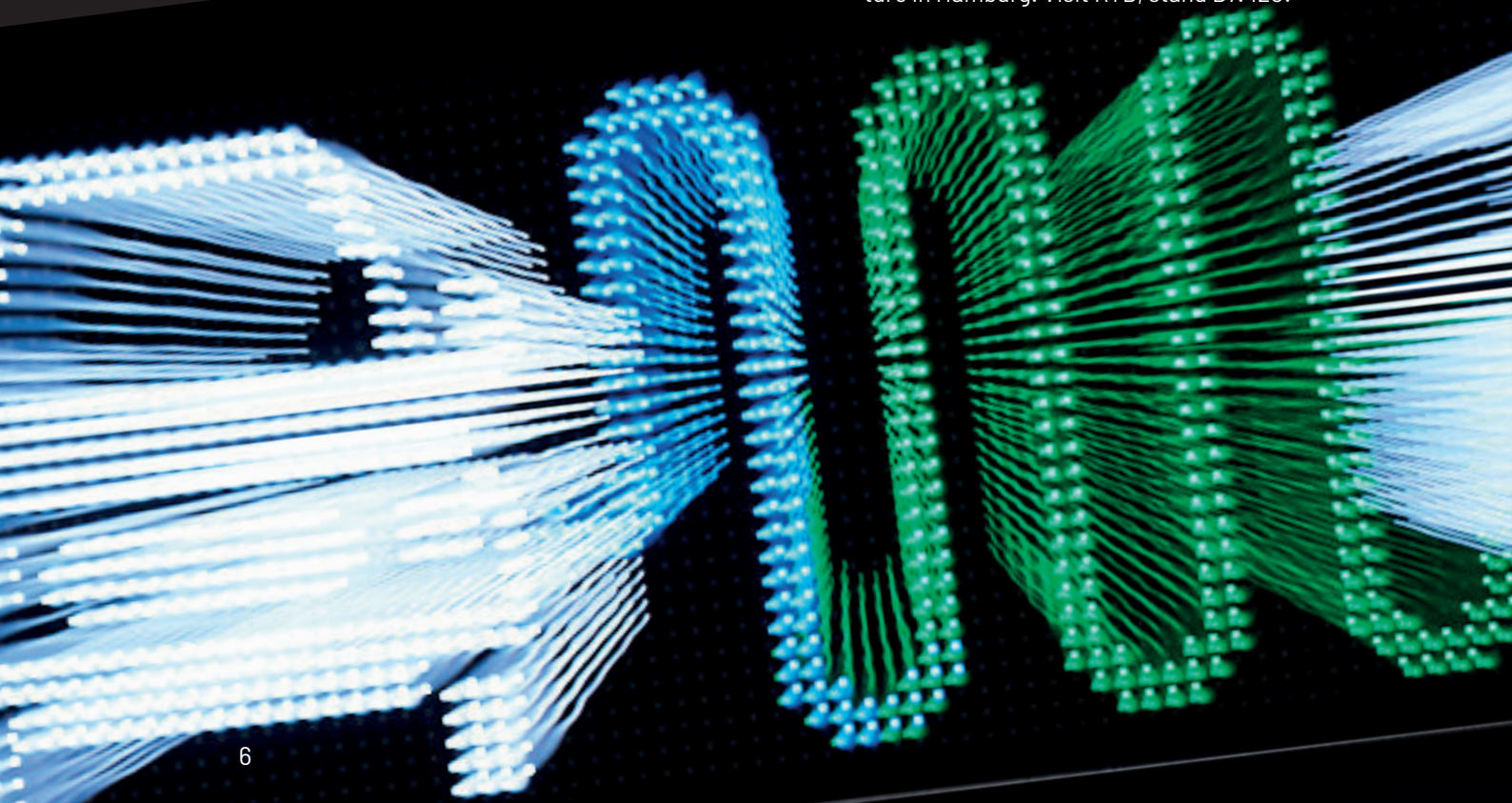
WE'LL BE THERE!

THE DIGIT

The advancement of digitalization everywhere is unstoppable. Even in the various areas of traffic technology, networked systems are increasingly in demand. A lot has already happened as we continue down the path to autonomous driving. We are in a phase where the implementation of highly automated driving is imminent, evident by the numerous projects that will be on display at the ITS World Congress. RTB is also actively shaping this development, because reliable data collection is a key to further planning. Not only do TOPO sensors play a role in this, but parking, in particular, is experiencing fast-paced development. The future of parking is becoming increasingly automated and state-of-the-art parking garages are in demand, especially at frequented locations such as airports.

Together with its business partner Goldbeck, RTB has been able to meet the demanding requirements placed on the equipment and security in use in the parking garages for German airports in the cities of Frankfurt, Nuremberg, and Berlin. These parking garages have been equipped with individual parking space sensors and displays from the LOBO system. Thanks to first-rate collaboration among the various experts, the systems are connected to the airports' parking management infrastructures so that particularly sensitive security issues are addressed. The result is innovative parking garages that will also be ideally equipped for the future of autonomous parking.

See for yourself the possibilities of the digital future in Hamburg. Visit RTB, stand B7.420!





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WORLDWIDE

PARKING

GUIDING

CHARGING

Special Visit at RTB

Karl-Josef Laumann



RTB in Bad Lipspringe received a distinguished visitor at the end of July. The Minister of Labor, Health and Social Affairs of the State of North Rhine-Westphalia, Karl-Josef Laumann, was a guest at RTB as part of the training and job placement program, "Durchstarten in Ausbildung und Arbeit". Specifically, the project is an integration program for young refugees. After all, (training) education and work are the key to becoming a part of society and thus, fundamental to successful integration. There are currently approximately 23,000 young refugees living in North Rhine-Westphalia with the status of sanctioned or authorized by the municipalities. They cannot benefit, or can benefit only partially, from the support services offered by the employment assistance system. The state government of North Rhine-Westphalia has therefore launched the state initiative "Durchstarten in Ausbildung und Arbeit" with a funding subsidy of 50 million euros. The program is intended to assist people in need of special support services, in particular young refugees between the ages of 18 and 27, and help them on their path to receiving training and finding work. RTB also employs young refugees. This gives them the opportunity to earn their own living in the intermediate-term.

But RTB stands not only for integration, but clearly also for inclusion. Cooperation between people with disabilities and those without has shaped the company for approximately 17 years. That was when cooperation between RTB and INTEG, a work integration company located in Bad Driburg, began. And INTEG employees have been working hand-in-hand with RTB employees in RTB's own production facilities since 2008. Minister Laumann was also able to visit the site and meet the employees.

Innovation in all areas, that's how RTB stays true to its motto: **AUTHENTIC PEOPLE. RELIABLE PRODUCTS.**



A VISIT WITH INTEG



From left to right (back):
Karl-Josef Laumann (Minister)
Julia Gert, Resmija Krasniqi and Stefan Ingram (INTEG)
Rudolf Broer (RTB Executive Board)
From left to right (front):
Marie-Theres van den Boom (Head of Companion Services at INTEG)
Ivo Zielonka (Executive Board INTEG)



Karl-Josef Laumann speaking with young refugees.

YOU CAN...



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<https://www.rtbsafetraffic.com/> | Tel.





HANDS.

FACE. SPACE.

By now, almost everyone knows the “Hands. Face. Space” rule, which states that the risk of contracting SarsCov2 can be significantly reduced by washing one’s hands, wearing a mask, and social distancing. But where else have these rules helped?

By actively protecting ourselves from the coronavirus, we are also protecting ourselves from all other pathogens that we otherwise contract, particularly through smear or contact infections. According to the Robert Koch Institute (RKI), an average of 35 percent fewer cases were reported in 2020. According to the study, respiratory and gastrointestinal diseases – and influenza, which is commonly referred to as the flu – saw a significant decline. Smear infections can occur directly, for example, by shaking hands, or indirectly, via contaminated surfaces. The pathogens remain active in the air for different lengths of time. While some lose their infectivity after just a few hours, other pathogens can even survive for years under certain circumstances.

In public places, in particular, where large numbers of people congregate, such as train stations, public transport stops, in front of stadiums, or in other highly frequented places, there is a greater risk of becoming infected through smear infections.

But as we have seen, we literally hold the key to staying healthy in our own hands. We’ve made a

lot of progress in recent months, and many innovations have been introduced that make compliance easier. For example, with the development of the non-contact radar push button, RTB has launched a product that makes it possible to cross intersections safely without having to “push” a button. The response has been great and more and more municipalities have already decided to employ the contactless version. It makes particular sense to use it precisely in the places described above, where there is an increased risk of infection due to high levels of public traffic. The push button uses radar to “look” around its immediate environment and detect whether a person is in a particular place. As the person comes closer, the green-phase request is automatically triggered and safe crossing is made possible.

As much as the pandemic has challenged us and continues to do so, we can make a valuable contribution to sustainable and lasting health safety. With our hands-on approach, we can face forward and create a space for innovative ideas.

ACE.



... BUT YOU DON'T HAVE TO!



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VISIT US IN HAMBURG

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The dawn of a new age of mobility has begun! Visit the ITS World Congress in Hamburg and get on board the traffic technology of tomorrow! Numerous well-known representatives of the industry, and of course, RTB look forward to seeing you there! For more information about the congress and the exhibition, visit www.its-worldcongress.com.

▶ Make an appointment in advance

We invite you to schedule an appointment with the companies you want to talk to in advance, as not all contact persons will always be on site at the same time.

▶ Groundbreaking accessibility project

For the first time in history, a support organization, the German Federation of the Blind and Partially Sighted (DBSV), will be exhibiting at the ITS World Congress. All partners of the newly founded network will also be represented.

▶ Your gateway to Hamburg

Your personal admission ticket to the exhibition is available directly through the organizer. But we're happy to take care of this for you. **Simply contact us at its-hamburg@dbsv.org**

OUR HIGHLIGHT: OUR SESSION

Learn more about the newly founded network and accessibility in a spotlight session.

Session SIS 16:

Smart Mobility improves social participation of people with reduced mobility

Date: October 11, 2021

Time: 2 p.m.-3:30 p.m.

Room: Hamburg Messe B4 Marseille 1

DBSV stand – The Network: B7.411

RTB stand: B7.420

This session features three presentations:

Dr. Thomas Krämer (DBSV):

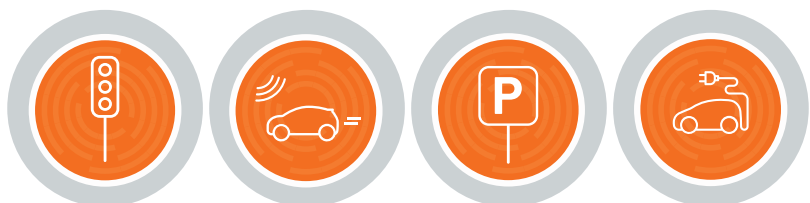
Smart Mobility for People with Reduced Mobility - Requirements of visually impaired or blind users for Mobility Applications

Manfred Retka (Trapeze)

INDEPENDENT TRAVELLING ORIENTATION SYSTEM - Travel Assistance for Disabled Riders

Andreas Roller (INIT):

ASSISTIVetravel: Accessibility for All - Accessibility for Public Transit



RTB

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