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Traffic Light REPORT

The magazine for traffic technology

*Cinematic
performance*



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EDITORIAL

Dear readers,

At RTB, planning for "Intertraffic" is in full swing. We are very much looking forward to the world's most important trade fair for road traffic technology, not least because it is where we have achieved important milestones for our company and the entire industry in the past.

However, Intertraffic 2026 marks a turning point, which is why our stand theme of "film premiere" is a perfect fit in many ways.

After more than thirty years of cinematic achievements, our company founder Rudolf Broer has retired from the operational side of the business.

I am delighted that, after several years of joint management, I am now taking over the director's chair. I can promise you one thing: we will continue RTB in the familiar style and continue to set new standards in the field of traffic management.

The entire RTB crew would like to thank Rudolf Broer, who will continue to support us as a shareholder with advice and assistance. Our appeal to you: Take your seat in the RTB cinema - and visit us at our stand in Amsterdam!

Yours sincerely,

A handwritten signature in blue ink that reads "Marc Rummey". The signature is fluid and cursive, with a long, sweeping underline.

RTB Managing Director

Curtain up

FOR INNOVATION



When the doors of Intertraffic Amsterdam open in March 2026, RTB will be saying: “Curtains up for innovation.”

Under the motto “Cinematic performances,” we will be presenting new systems, proven solutions, and genuine premieres at the world’s largest trade fair for traffic technology. For decades, the fair has been regarded as a stage for international trends and technical excellence. This year, RTB will once again demonstrate how innovation, safety, and inclusion go hand in hand – from acoustics and detection to intelligent parking space management.

LOC.id, **BELLA**, **TOPO**, and **TOPO.bike** demonstrate how data, acoustics, and accessibility work together – for safe mobility at all levels.

PECUNI and **LOBO** stand for intelligent parking solutions, while the Dialogue-Display makes communication in the street space visible – clear, understandable, and effective.

But before the curtain rises in Amsterdam, the starting signal will be given in Karlsruhe: From March 3 to 5, 2026, IT-Trans, Europe’s leading trade fair for intelligent mobility in public transport, will open its doors. RTB will also be represented there – with solutions that combine accessibility, detection, and digital communication in public transport.

What will be presented in Karlsruhe will make its grand premiere in Amsterdam – innovation that integrates, simplifies, and makes mobility accessible.

At Intertraffic, RTB will showcase not only technology, but also its attitude: innovation with responsibility. Because behind every product is a goal – to make transportation safer, more inclusive, and smarter.



PECUNI - SAFETY PLAYS THE LEADING ROLE

Leading role

Every good film has a character you can rely on – calm, consistent, and strong. At Intertraffic 2026, this role is played by the PECUNI parking ticket machine: robust, secure, and technically advanced.

When it comes to cash protection, ease of use, and digital connectivity, the PECUNI delivers a truly cinematic performance. Its solid stainless steel housing withstands wind, weather, and vandalism – with a clear focus on durability and design.

Inside, a sophisticated security system is at work. The PECUNI safe complies with VdS class P4 in accordance with guideline 3546 and reliably protects revenue from unauthorized access.

But security is only one aspect of its role. PECUNI is also state-of-the-art in terms of technology: functions such as contactless payment, online monitoring via PDM.control, and remote adjustment of tariffs and languages make it a versatile and future-proof system.

Thanks to its energy-efficient technology, PECUNI can even be powered entirely by solar energy – environmentally friendly, self-sufficient, and resource-saving.

As in a precisely staged film, every detail is coordinated. The result: a machine that works reliably, is securely managed, and is well-designed – available every day, around the clock.





LOBO

PARKING WITH A SYSTEM

A modern film thrives on good direction – and when it comes to parking, LOBO takes on this role. RTB’s parking guidance system ensures clear processes, efficient use, and a relaxed arrival – from the entrance sign to the individual parking space.

The system combines intelligent sensor technology, flexible displays, and smart software. NOSCO hybrid cameras, infrared, ultrasonic, or ground sensors accurately detect occupancy and transmit the data in real time to the LOBO.control software. It clearly displays all levels and parking spaces, analyzes occupancy rates, and enables the targeted control of displays, guidance systems, or LED signals.

Whether in a parking garage or open spaces, LOBO adapts to any environment.

Modular displays provide information about available parking spaces, guide users to e-charging points, family or disabled parking spaces, and thus optimize traffic flow.

With balancing counting, remote monitoring, and integration into higher-level systems, LOBO is more than just a guidance system—it is the control center for modern parking space management.

A system that combines technology, convenience, and clarity—and makes parking almost cinematic.



130 years of cinema – who invented it?



A new era of motion began 130 years ago: on December 28, 1895, the Lumière brothers showed the world's first films at the Grand Café in Paris. Workers, a train station, an arriving train—simple scenes that amazed the audience.

But moving images had already been shown in Berlin weeks earlier: the Skladanowsky brothers presented their "Bioskop" at the Wintergarten

Variété – a technical experiment that made history.

Whether in Paris or Berlin, film became the language of movement – a medium that combines technology and emotion.

And it is precisely this idea that lives on – even today, 130 years after the first premiere.

(Source: Westfalen-Blatt, December 27, 2025, "130 Years of Cinema: Who Invented It?", Sabine Glaubitz)



THE RIGHT TONE- LOC.ID IN THE

Spot



LOC.id plays the leading role when it comes to inclusive mobility on the big stage at Intertraffic 2026. Whether at traffic lights, on construction sites, or in city traffic, LOC.id provides orientation, safety, and participation.

LOC.id makes barriers audible. The app recognizes where support is needed and directs acoustic signals to that specific location. The system works in the background – the smartphone can stay in your pocket.

The new signal tones currently in development bring even more clarity and diversity to the urban landscape. A coordinated sound that informs without disturbing – much like a perfectly mixed movie soundtrack.

Construction sites mean progress – but often also uncertainty. With LOC.id, the safe route takes a back seat and becomes the star. Acoustic cues guide you through detours, mark safe crossings, and transform an obstacle into a walkable temporary path.

light



“Hear where you’re going” – this principle turns construction site chaos into a clear path!

E-scooters are now part of the cityscape – and with them come new challenges. LOC.id integrates scooters into the digital city. As soon as someone approaches, they emit an acoustic signal that warns of obstacles.

More than 25,000 e-scooters are already connected to LOC.id. This makes micro-mobility safer – for everyone on the move.

LOC.id isn’t just about technology, it’s also about style. The “skirt” with integrated Bluetooth technology shows how elegant accessibility can be. A piece of the future that combines function and fashion – in keeping with our trade fair motto.

LOC.id shows that accessibility is not a side issue, but plays a leading role in an inclusive city.

Or, to put it in cinematic terms: “Good sound comes from RTB – and guides you safely through life.”



IT'S ALL ABOUT
THE RIGHT SOUNDTRACK

Bella





With BELLA, RTB presents the next generation of acoustic signaling technology. The new system combines state-of-the-art safety technology with high flexibility and ease of use.

The focus is on the clear separation between safety and comfort firmware. Safety-related functions remain unchanged and certified, while comfort functions can be customized. This interaction ensures maximum safety and high adaptability.

BELLA is SIL3 certified and fully compatible with Bluetooth and net.2. The new service app allows configurations, maintenance, and diagnostics to be carried out quickly and intuitively – even remotely.

Integration into net.2 allows signal transmitters to communicate via a BLE mesh network. Safety-related signals, such as the release signal, remain wired to ensure absolute reliability at all times.

Another focus is on acoustic quality. Orientation signals are precisely coordinated so that neighboring poles are perceptibly staggered in time and clearly differentiated. This creates a harmonious soundscape that makes orientation much easier for people with visual impairments.

BELLA stands for efficiency, safety, and precision—an acoustic solution that we will be presenting in detail for the first time at Intertraffic 2026.

Directed

BY DATA



At Intertraffic 2026, we will be presenting the latest generation of the TOPO traffic detection system. It provides precise data on traffic density, speed, vehicle classification, and noise levels – the basis for modern, adaptive control and sustainable traffic planning.

The system measures vehicle length, number of axles, and axle spacing, locates the engine block, and also records noise emissions in decibels. This allows traffic flows to be not only counted, but also differentiated by type and load.

The data is transmitted in real time via 4G/LTE, enabling traffic control centers to react immediately – for example, by extending green phases or implementing targeted noise reduction measures.

TOPO is certified according to BAST guideline TZ5 and meets the highest standards of accuracy and reliability.

Like a well-coordinated camera team, TOPO works in the background: inconspicuous, precise, and reliable – image by image, vehicle by vehicle.

The background of the page is a photograph of a theater with rows of red seats. At the front of the theater, a large screen displays a school of silver fish swimming in a dark space. The theater's ceiling and walls are also red, with some recessed lighting.

TOPO.BIKE: FOCUS ON MOVEMENT

The mobility of the future is diverse – and bicycles play a major role in it. With TOPO.bike, we have developed a system that reliably detects, classifies, and evaluates bicycle traffic and pedestrians – around the clock, in all weather conditions.

The compact, radar-based system provides directional detection even in group rides or dense traffic situations. An integrated pulse resolution ensures that multiple cyclists can be accurately identified separately – a crucial step for safe traffic light control and fair traffic distribution.

TOPO.bike can be used in a stationary or mobile manner and is ideal for permanent counting stations, traffic concepts, or pilot projects for micromobility.

The data is automatically transferred via DD.web and evaluated graphically – whether for traffic planning, funding applications, or sustainability reports.

As with a good movie, timing is everything: TOPO.bike detects movement before it becomes visible – ensuring harmonious interaction between bicycle and city traffic.

COMMUNICATION THAT WORKS

Dialogue



Display

Every second counts in road traffic. The Dialogue-Display attracts attention exactly when it is needed – right at the moment of encounter. The system reacts in real time to the behavior of road users. Those who keep to the speed limit are rewarded with a green “Thank you.” Those who are too fast receive a red “Slow down.”

A simple but effective dialogue that, according to studies by the Technical Universities of Munich and Dresden, has been proven to reduce excessive speeds.

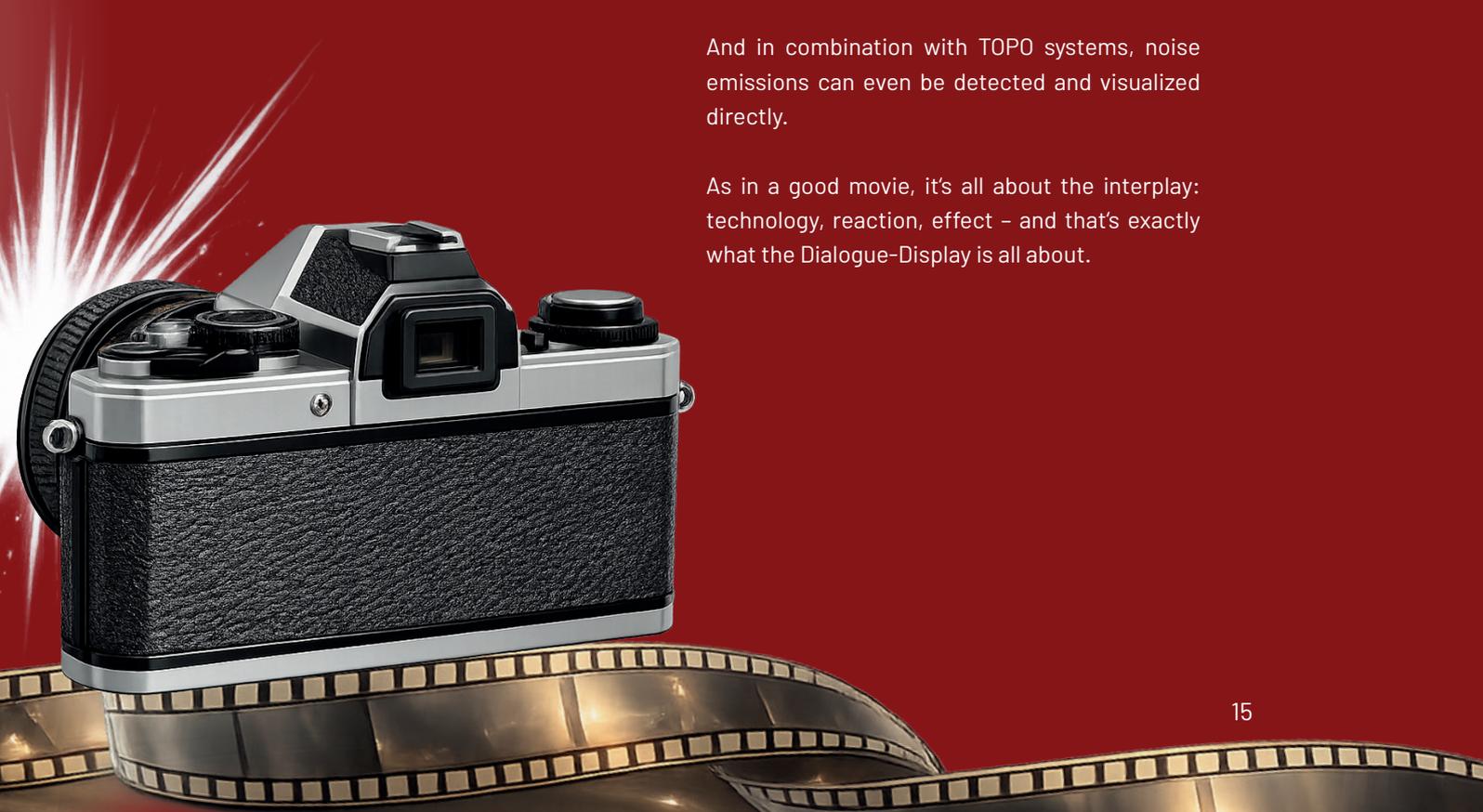
The displays are modular in design and can be flexibly configured for any location – whether mains-powered, solar-powered, battery-powered, mobile, or stationary.

DD.web 4.0 allows data on speed and traffic volume to be automatically recorded and evaluated.

With variants such as Dialogue-Display.big for rural roads or Dialogue-Display.pilone for company premises, we offer customized solutions for every environment.

And in combination with TOPO systems, noise emissions can even be detected and visualized directly.

As in a good movie, it's all about the interplay: technology, reaction, effect – and that's exactly what the Dialogue-Display is all about.



VISIT OUR

Dress rehearsal

AT THE IT TRANS IN KARLSRUHE



ACCESSIBILITY STARTS WITH ORIENTATION!
With LOC.id, RTB makes urban infrastructure audible, usable, and digitally accessible -
from public transportation and stops to construction sites and micromobility.



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