

traffic light **REPORT**

Magazine for traffic engineering



TRAFFIC LIGHT FACILITY

RADAR / LASER

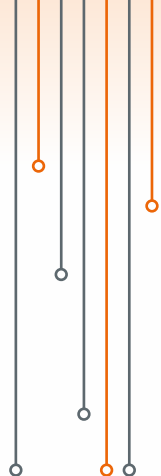
PARKING

ELECTRIC MOBILITY

INTERNATIONAL

SPECIAL

FIRST TRADE FAIR PRESENCE IN THE USA



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EDITORIAL

Dear Readers!

The soccer World Cup 2018 in Russia is a prime example of well-functioning international contacts. Perfect atmosphere characterized this World Cup no matter which nationalities played against one another.

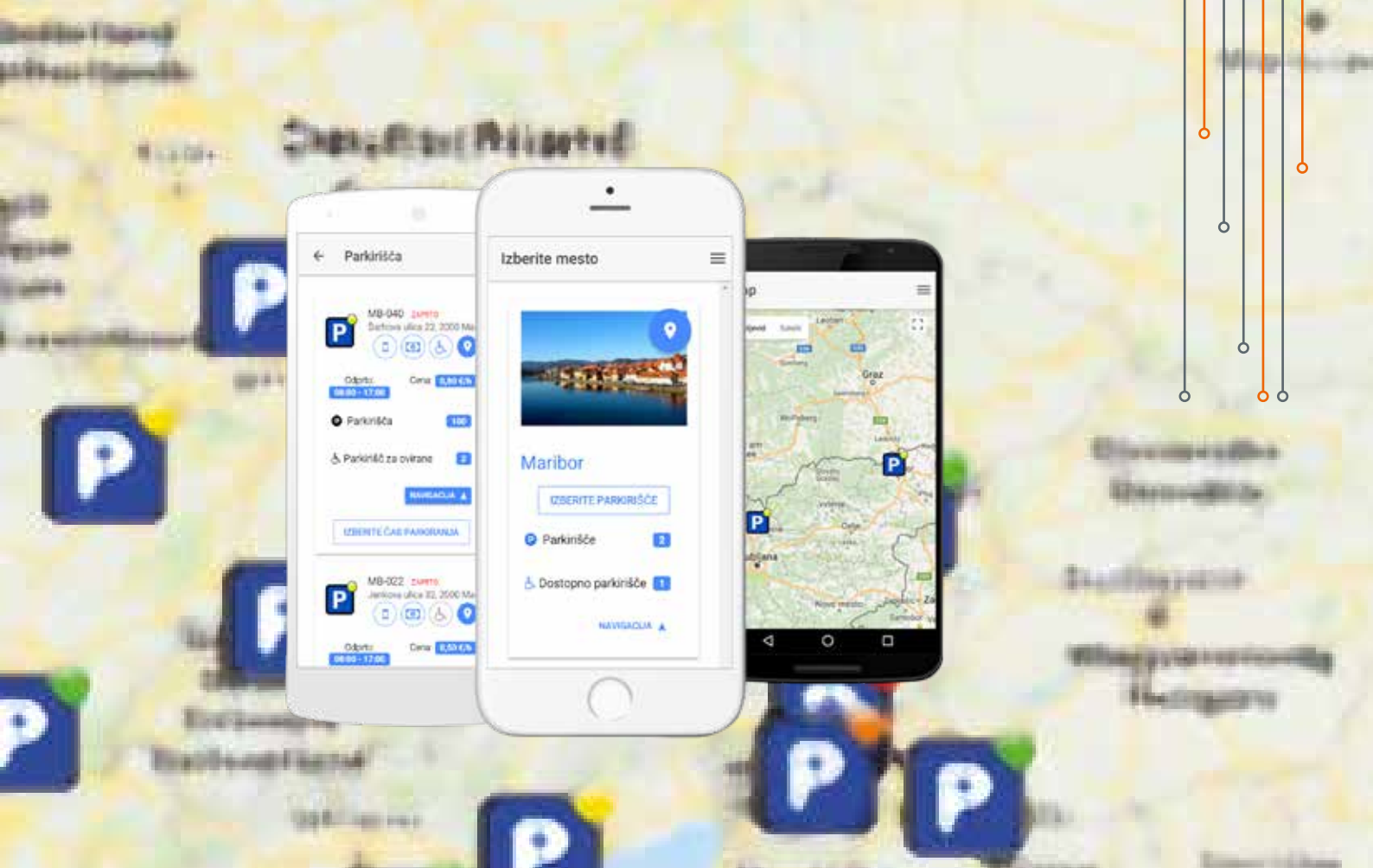
Of course, we at RTB joined the excitement and the office lottery. And since the early exit of our "team" made us look for new favorites, we watched teams from countries to which we deliver our products. It was more difficult than we thought to select a favorite. Indeed, in the round of 16 we could choose among eleven teams from "our" almost 50 countries. We were happy, along with our customers, when one of these teams reached the next round.

International contacts are indispensable for a successful future. Our trade fair presence at the IMSA in Orlando offered an important contribution to this. There we made numerous new contacts. In the same fashion we can hopefully join the excitement and celebration with many new customers when the World Cup 2026 will be conducted jointly by the USA, Canada and Mexico.

Enjoy these times – and keep making many contacts!

Sincerely,

Marc Rummeny
-Marketing-



COMFORTABLE AND FAST

New App Makes Parking Easier

The application of RTB parking ticket machines is becoming more and more prevalent internationally. Our Slovenian marketing partner introduced a special app at the INTERTRAFFIC in Amsterdam that greatly simplifies parking.

In the framework of a long-standing cooperation, the company PIMA-Inter Ltd. from Ljubljana distributes RTB's parking ticket machines in Slovenia. Now the company has presented its own web-based app to forge ahead with usage while at the same time simplifying the process.

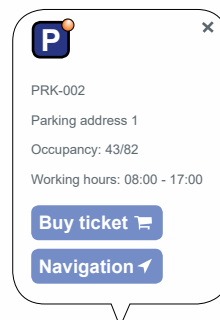
It is connected directly to the parking ticket machines via an interface and opens new possibilities: parking spaces can be found with a targeted search; at the same time, the user gets valuable information about operating hours, cost and vacant spaces.

Furthermore, the app makes rapid and simple payment possible. If the parking time available is

not sufficient, it can be extended directly online.

Rapid and comfortable parking will continue to become important for the rejuvenation of inner cities – both nationally and internationally. Because of increasing competition from internet trade, the retail sector is confronted with big tasks.

The goal is to keep visitors in the city using attractive offers as well as service features to convince them. The cooperation with PIMA-Inter reveals itself to be the perfect symbiosis, in order to rise above the crowd in a fast-paced market place environment and offer the greatest possible service.



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PARKING THE RIGHT WAY

Action Targets Parking Offenders

Car drivers in Erfurt are more and more often the reason for delays of trams. The transport company EVAG now wants to use appropriate measures to counter this and relies on RTB's competence.



It is not a rarity that trams in Erfurt must stop in the middle of the street because the thoroughfare is blocked. Frequently the reason for this is parking offenders, who park their vehicles too close to the tram rails. Many of them probably don't even realize what problems they cause: traffic jams, tram schedules that are not met, not even to mention delays. If a vehicle on the rails blocks the tram, traffic managers, called by radio, must measure the distance between car and tram. In most cases, a tow truck must be called. Now those responsible for traffic want to counter this and heighten awareness of car drivers.



To this end, together with RTB, a display was developed that alternates the illuminated written messages "Park Correctly!" and "Mind the Distance!" if a car is traveling at less than 10 km/h or a car is parking. Furthermore, pictograms show correct and incorrect parking positions. The display was initially installed in the area Domstraße/Mainzerhofstraße, where the distance between parking spaces and rails is particularly narrow. The new display has already greatly aroused the attention of pedestrians. Jörg Mächler from construction planning and construction preparation at the EVAG states: "Now we hope that we can also sensitize car drivers to this topic".



SHIFT IN PARKING

A Short Cultural History of Parking

Congested streets, stop-and-go traffic and no parking space in sight. Since the beginning of parking it is true that a lot has changed but the basic task remains.

There are simply too many vehicles for too few parking spaces. Already in the first year of automobile history, the question was asked: "Where can the car be kept when it isn't currently needed?" Driving the car directly to the stores was very comfortable, although it led to the first problems with long-term parkers. Particularly in the USA this phenomenon needed to be regulated. Thus, it is not surprising that exactly there the first countermeasures were implemented; it didn't take too long to see these measures were not working.

Police officers first used chalk to mark the time they checked the parked car on its tires. The journalist Carl Magee of Oklahoma City promised an innovative solution for the conditions at that time. With the Park-O-Meter he developed the first parking meter and applied for a patent in 1935. The resonance was very good, but due to the war it wasn't until January 4, 1954 that they were installed in Germany. After that the development took its course. Today we no longer hear the clacking noise of parking meters; mo-

▶ Guiding ▼ Parking ●● Charging

dern parking ticket machines have come into use in almost all public spaces.

Another possibility to gain control of the traffic chaos was established in 1901 with the construction of the first multi-storied parking garage in London. The different levels of parking decks presented architects with special challenges. Different systems such as access ramps, half-ramps with offset parking levels or freight elevators are, to some extent, still competing. The first multi-storied garages in Germany with constructed in Essen (1924) and in Mannheim (1925) and were designed for a few hundred cars. Today garages offer space for thousands of vehicles and are equipped with the most modern parking guidance systems. With the parking guidance system LOBO and the intelligent battery charging system KORMA, RTB offers the optimal equipment for the highest demands in parking garage construction.

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WE OFFER OUR CONGRATULATIONS +++ WE OFFER OUR CONGRATULATIONS

DIGITAL AND SECURE

Award for Screening in Baden-Württemberg



The State Ministry of Traffic in Baden-Württemberg won first place in the eGovernment Competition 2018 in the category "Best Infrastructure Project". The award was for innovative traffic safety screening.

An international jury of experts awarded the prize to Baden-Württemberg on June 19, 2018, in Berlin. The main emphasis of the competition was on digitalization and modernization of public administration. A total of 59 contestants from federal, state and municipal administrations as well as social insurance programs from Germany, Austria and Switzerland took part.



CONGRATULATIONS!

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Since 2014, traffic safety screening makes up an important building block for mitigating accident hotspots, particularly in regard to achieving “Vision Zero” – street traffic without fatalities and injuries. Here the accident data, that is updated monthly by police, the traffic volume recorded by about 5000 different census locations spread throughout the state and the evaluation of speeds of 1.9 billion vehicles on all federal highways, state and county roads in Baden-Württemberg are used.

Furthermore, the data for road construction as well as the accompanying maintenance and pictures from the vehicle perspective for large parts of this network can be retrieved. The central element of traffic safety screening is the digital map. With this, for example, high accident rates locations in the road grid can be presented. A further important element is a four-page fact-sheet that provides up to 700 different items of information for a street segment exactly 100 meters long. For the 26,000 kilometers contained in the road grid, this amounts to about 295,000 different fact-sheets.

Through the state-wide implementation of TOPO guide post census devices in the framework of traffic monitoring, RTB provides an important data base and a valuable contribution to improvement of traffic safety in keeping with “Vision Zero”.



RTB TOPO

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Hybrid Camera for vehicle detection in the parking garage



LOBO Dynamic Parking Guidance System





FIRST TRADE FAIR PRESENCE IN THE USA

From July 28 through July 31, 2018, the IMSA Forum & EXPO took place in Orlando. For the first time, RTB was represented as an exhibitor in the Gaylord Palms Convention Center by RTB Safe Traffic, Inc., Canada. A comprehensive satellite program accompanied the exhibition. Numerous interesting discussions show that such personal presence is quite appreciated on the international level as well.



DEVIN MILES

Devin Miles, born on May 12, 1961 in Duisburg, ranks as a representative of the contemporary German pop art scene. After training in two handicrafts, Miles turned to visual arts in 2001. At first, he experimented with digital art, then quickly turned to a symbiose of silk screen and painting. His specialty is silk screen collages. Miles' motifs are influenced by American

and European movie heroes of the 1950s and 1960s. Thus, he chose, for example, portraits of Marilyn Monroe, Brigitte Bardot, Romy Schneider, Steve McQueen or James Dean and combined them in a typically pop art manner with symbols of everyday culture and consumer culture. Miles is married, has two children and lives near Hamburg.

We thank the gallery for its cooperation!
Additional works can be found at: www.devin-miles.de

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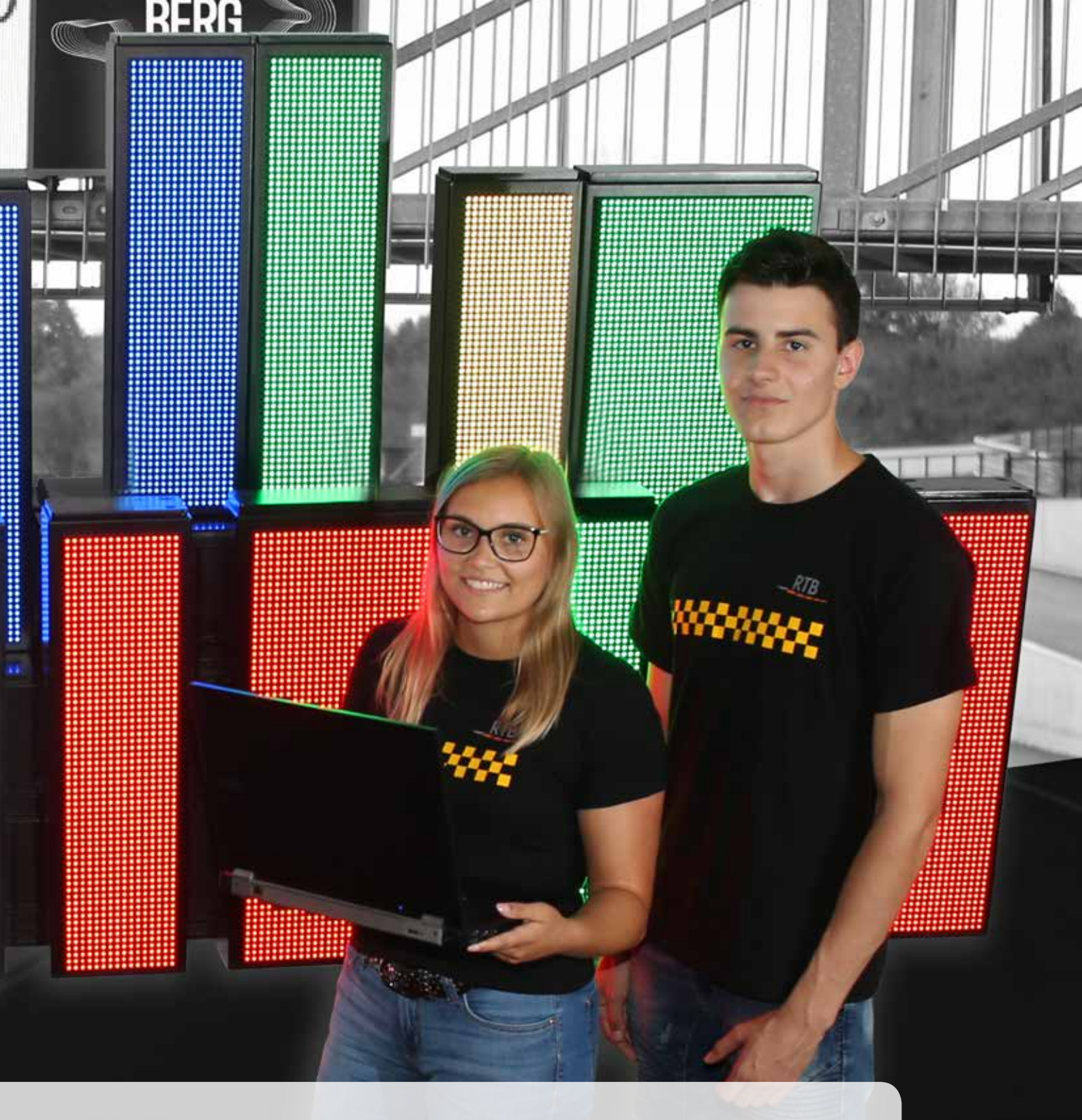
SAFETY IN RACING

RTB Provides for Driver Safety at the Famous Racing Circuit BILSTER BERG.

An unusual testing and racing circuit is located in an area of about 84 hectares on the grounds of the former NATO ammunition depot in the Teutoburger Forest near Bad Driburg.

Bereits vor einigen Jahren leistete RTB mit der Some years back, RTB made an important contribution to the initial success of the circuit by programming the driver information system. All

important information such as flags with driver numbers can be noted on the display in the start/finish area. Now another important task is in the offing with the introduction of an electronic marshal system. Around the racing circuit, up to 18 traffic lights are installed that were previously controlled via radio and could, for example, make drivers aware of dangers with a blinking yellow light.



This system was, however, prone to errors. Since it has to do with an area particularly relevant to safety, the operators searched for an alternative system.

RTB replaced the traffic lights with ultra-modern LED displays, that, bound within a network, can be individually controlled. Using software programmed especially for this, every display receives

its command (e.g. yellow blinking = danger, red blinking = race stopped) and is prompted to give an appropriate response. Thus, possible error functions can be displayed directly at race control and be corrected immediately. In addition to the LED color displays, a large LED display is installed on the circuit to provide information for the drivers.

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PLEASANT VACATION ACQUAINTANCES

When on vacation, it's nice to discover something familiar. Such was the case when the youngest junior staff member of our company came upon an RTB parking ticket machine during his exploratory trip in Croatia. Following an intensive checkup, the machine was found to be in good working order and the trip could be continued.

BATTERY CHARGING SYSTEM WITH A NEW NAME

Experience gained in the last two years and an intensive exchange of ideas with the authorizing authorities led to a logical further development in electric mobility. RTB's innovative battery charging system offers several new features, among others billing through the GLS Bank. In the course of new developments, it has also been given a new name - KORMO.

