RACE RESULT

Precision · Passion · German Engineering

START

START

BMW Berlin-Marathon 2024

25,000+

events per year

16,000,000+

athletes per year

120+

countries

11 offices

around the world

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Race timing with the leaders

In sports timing, precision is key – but not enough on its own. Real progress comes through innovation. At RACE RESULT, we're proud to lead the industry in both.

Since day one, we've shaped the evolution of timing technology by listening to our customers and developing solutions that meet the real demands of race day.

Our hardware and software are built to take your event timing to the next level by streamlining processes and enabling new services. Whether you're timing a local 5K or world championships, RACE RESULT provides technology that's powerful, reliable, and flexible.

And whenever you need assistance, you can count on us. Our experienced support team responds quickly, understands your setup, and is easy to reach.

That's why thousands of timers and organizers around the world trust RACE RESULT. We'd be glad to welcome you to our global community.

Soenke Petersen, CEO

The Complete Solution for Race Timing

We offer everything you need to time your sports event. From the registration platform to timing hardware, transponders, bib numbers and live results presentation. All components work seamlessly together, whether you are timing a local 5k run or a world championship.

UBIDIUM

Next Generation Timing System

Ubidium is the timing system that has started a new era in sports timing. Born from the collective experience of thousands of events and shaped by the diverse needs of customers from around the globe, this revolutionary system represents the epitome of precision and reliability for active and passive timing.

Staying Ahead of the Game

The completely new form factor guarantees maximum flexibility. With two batteries inserted, it weighs only ~ 4.1 kg / ~ 9 lbs. The 6.2" screen in combination with the always visible LEDs and large buttons makes it easy to maintain an overview of all relevant timing data and functions. The display is even readable in extreme temperatures. Reliable battery status reporting provides accurate information about the remaining runtime.

Enhanced Active Timing

Plug your active timing loop directly into Ubidium. Build timing lines with widths of up to 30 meters* and with 100 % loop power. Ubidium fits seamlessly into the existing RACE RESULT active system architecture, supporting functionalities like stored passings and repeat mode.

* depending on regulatory region

Unparalleled Connectivity

Ubidium has GPS and 4G on-board. 3 Ethernet ports provide extended networking capabilities, internal switching to connect multiple devices. POE input and output enable powering third-party devices as well as Ubidium itself. Internal and external SIMs provide a backup for data transmission and, if needed, remote support access to the device. Ubidium can connect directly to your PC via USB-C. It also offers Wi-Fi, USB-A, DC Power In, trigger input/output and the connection of an external 4G antenna.

Resistant in all Conditions

Ubidium ensures optimal performance in all weather conditions. A heating element keeps the device above freezing point for optimal battery performance. An integrated fan will cool the system down if necessary and blows moisture out if the integrated humidity sensor indicates a condensation risk. The display and buttons are always visible and accessible, while the front lid covers the connectors and effectively protects the system from rain and splashing water.

MORE INFO

Ubidium Foldable Ground Antenna

A breakthrough in timing infrastructure: The UHF floor mat is a seamless extension to Ubidium. Each mat segment contains its own UHF antenna and reader, delivering unmatched performance, maximum flexibility, and effortless setup.

Easy Length Adaption

You only need to open one antenna segment on either side of the joint to split the mat. The cables for each segment can stay inside the Ubidium at any time using the inner storage channel. The mat can be extended/shortened by pairs of two segments, resulting in widths of 1.5 m (with 2 segments) up to 23 m (with 30 segments).

Plug and Go

The mat directly plugs into Ubidium with a single connector. For redundancy, two independent, robust cables lead to the first antenna segment and form two separate lines throughout the whole mat.

Interweaving Connection

Every reader element is connected to the reader two mats earlier, creating separate data lines in an A-B-A-B scheme. This offers an additional redundancy within the ground antenna.

Up to 23 m Mat Length

As you are not limited by the 8 ports of conventional UHF readers you can now create up to 23 m long timing mats. Each mat segment contains its own integrated reader and antenna, specifically designed by RACE RESULT for sports timing purposes. It requires less power than standard UHF readers, therefore increasing system battery life. It also allows synchronized reading with multiple elements at the same time, significantly increasing read rates and timing precision.

Streamlined Profile, Easy Handling

The mat design offers a profile optimized for both road and off-road use, with flat edges ensuring a smooth and comfortable ride. Each segment measures 77 cm in length, and a standard 4.6-meter configuration (6 segments) weighs just 24 kg (52.9 lbs), making it both lightweight and easy to handle.
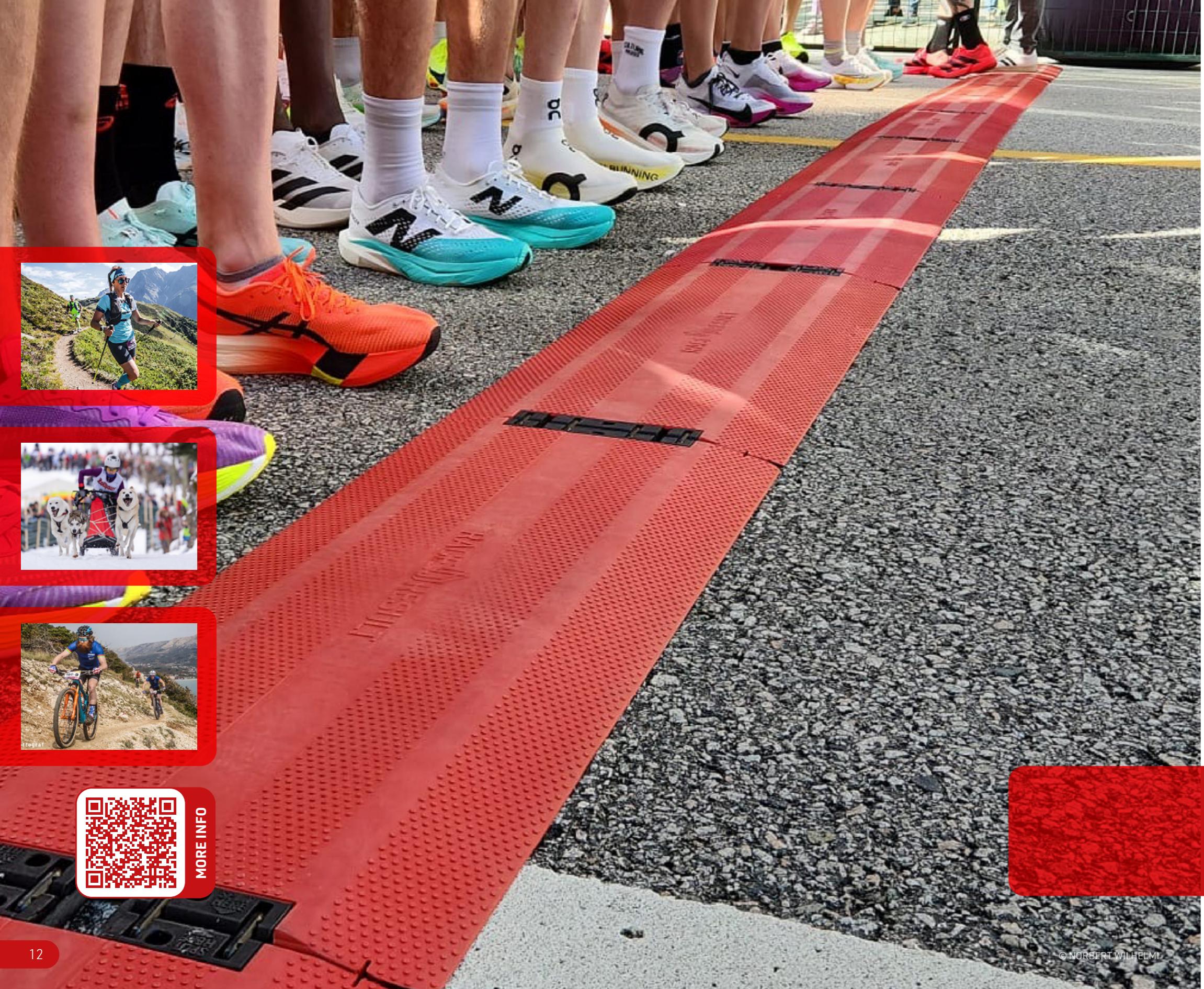
Passive Timing Solutions

RACE RESULT passive timing technology uses UHF to detect transponders. It is the optimal choice for all kinds of running races, cross country MTB, trail runs or smaller triathlons. Combining the foldable ground antenna with our sports-optimized transponders creates an unmatched setup in terms of reliability, flexibility and highest detection rates.

- Easy setup
- 0.2 s accuracy
- 60 km/h detection speed
- Up to 23 m ground antenna length

MORE INFO

© NORBERT WILHELMI

How to time a road race
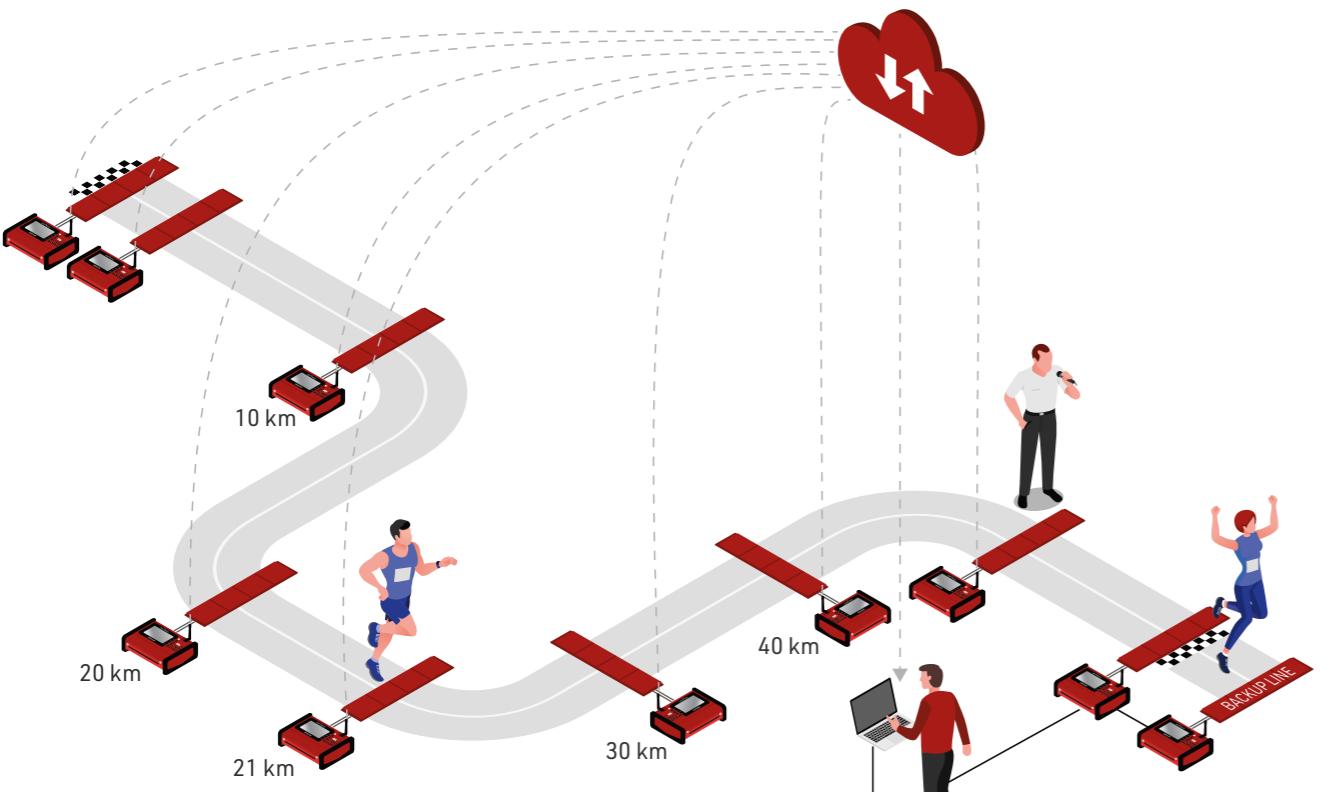
The easy and fast setup of splits is a major benefit of the RACE RESULT Passive Solution. Combining the foldable ground antennas, Ubidium, and our high-quality UHF transponders provides efficient workflows, highest detection rates, and live results for all participants. This way, races of any size can be timed.

Due to the low power consumption of the antenna, the internal batteries provide sufficient runtime for most event scenarios.

The marathon is timed at start and finish, plus at the 10K, 20K, half marathon, 30K, and 40K split points. A main and a backup system are used for the important start and finish times. All systems are synchronized via the integrated GPS receiver. Detections are instantly sent to the timing software using Wi-Fi or mobile network (SIM required). Results and predictions are published live, allowing spectators to follow their racers.

BMW Berlin-Marathon

The BMW Berlin-Marathon is one of the most prestigious road races in the world. As part of the Abbott World Marathon Majors, it is known for its flat, fast course, enthusiastic crowds, and record-breaking performances.

In 2024, mika:timing used RACE RESULT technology for the first at the BMW Berlin-Marathon.

mika:timing is a leading provider in the mass participant industry for timing and results. Founded by Harald Mika, the company has delivered top-notch computerized timing and scoring solutions for over 30 years.

FACTS

- **Timing points each 5 km**
- **More than 200 m of ground antennas**
- **Live data pushed to TV, event app & athlete tracking**
- **On-site bib assignment at expo, using Chip2Go**
- **Ubidium Ground Antenna used**

© SCC EVENTS_PETKO BEIER

© SCC EVENTS_SEBASTIAN WELLS

RESULTS

How to time a gravel race

23:10:01
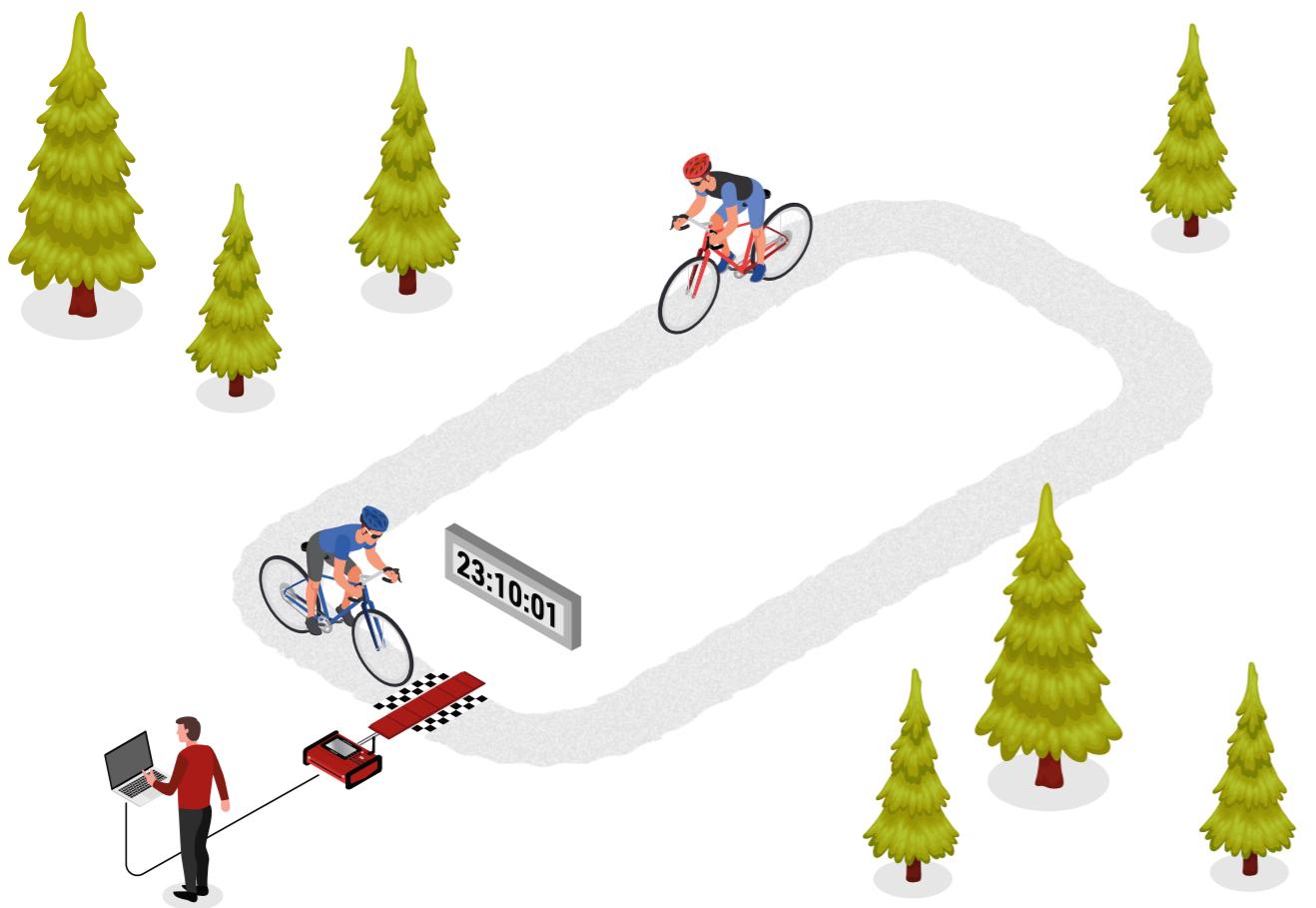
For mountain bike and gravel races, we recommend using the passive solution with disposable transponders attached to the back of the bike plates. This setup is being used for both amateur as well as elite events worldwide.

With the transponder on bike plates, participants only need to attach their plates to the handlebars. No additional transponder necessary.

Timekeepers simply unfold the ground antenna at the start and finish line and plug it into the timing system. For different starting locations or split points / sector times on the course, an additional timing system is needed at each timing location. Ubidium sends all chip reads live to the RACE RESULT 14 timing software via mobile network, Wi-Fi, USB or LAN.

Seven Gravel / UCI World Gravel Series

A legendary gravel race in Australia that is also part of the UCI World Gravel Series. Timed by our customer Idle Timing.

FACTS

- **1,000 participants**
- **Handlebar Plates with Passive Transponder attached**
- **Ubidium + Ground Antenna for start & finish**
- **Track Box Passive for checkpoints**
- **RACE RESULT 14 software**

RACE RESULT Passive Transponder

We are the first company in the sports timing industry to develop our own disposable UHF transponder. At a thickness of only 1.5 mm, the transponder provides the highest detection rates on the market. Wetness, sweat, and body contact have no negative impact on transmission power or durability.

RACE RESULT Passive Transponders can be ordered on a roll or already attached to a personalized bib. In addition, we offer bib and transponder solutions for triathlon and cycling.
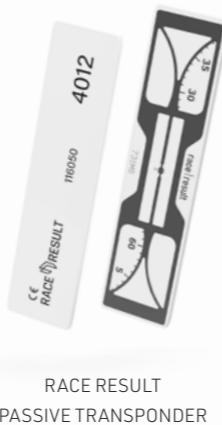
RACE RESULT
PASSIVE TRANSPONDER

STARTING NUMBER
WITH TRANSPONDER

RACE RESULT
TRIATHLON-TAG (DISPOSABLE)

SEATPOST STICKER
WITH TRANSPONDER

RACE RESULT
BIB TRANSPONDER
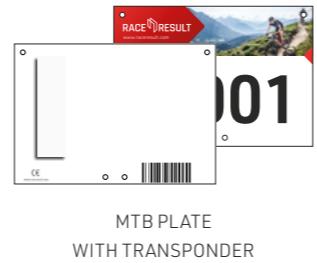
MTB PLATE
WITH TRANSPONDER

MORE INFO

Reusable Passive Transponders

Reusable passive transponders are robust, waterproof, and designed for dozens of races. As a cost-effective alternative to active technology, they are used in large triathlons, road races or mud runs.


RACE RESULT
HU TAG

RACE RESULT
BATON WITH TRANSPONDER

Chip2Go

With Chip2Go, timekeepers can flexibly program RACE RESULT Passive Transponders on their own.

Chip2Go is the perfect solution for last minute production of race numbers, late registrations, or smaller events.

• throw away less transponders
• no separate chip file required
• easy to handle, also for volunteers
• self-sufficient process, without computer

Active Timing Solutions

RACE RESULT active technology combines the highest precision and reliability with unique features like Tracking Mode and Store Mode. Active timing is recommended for events with high speeds, disciplines in water, or expected close finish line sprints.

RACE RESULT Active V3 transponders are the most accurate transponders for active sports on the market. They are reusable and have an internal battery lasting several years. V3 provides a true accuracy of up to 0.004 s at speeds up to 150 km/h.

- **100 % read rate**
- **0.004 s accuracy**
- **2 m detection height**
- **60 m loop length**

MORE INFO

How to time a triathlon
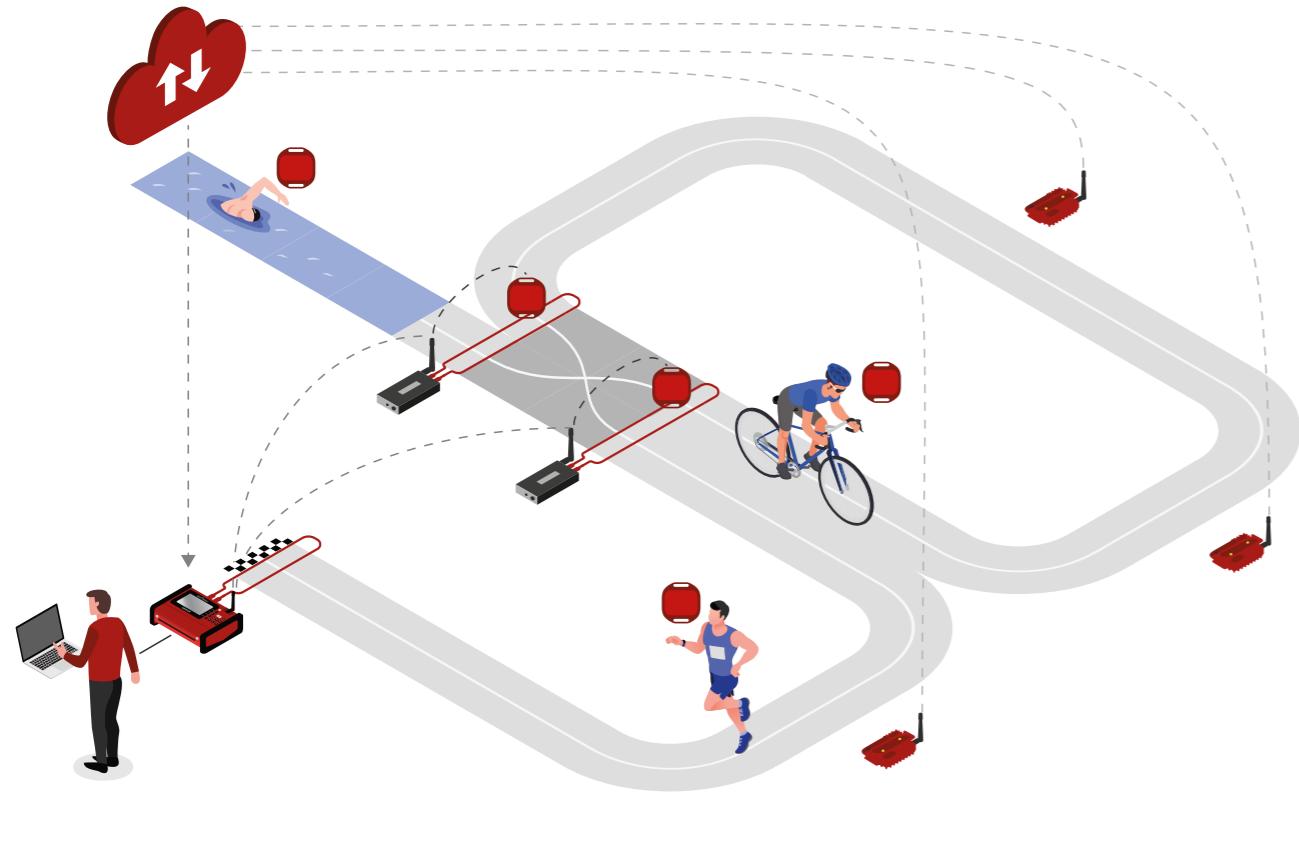
Our Active Solution is being used for numerous long-distance triathlons and World Triathlon Series races. It provides 100 % detection rates, highest precision, and waterproofness of the transponder. Installing Loop Boxes and Track Boxes around the course enables you to set up many splits without much effort.

Two Loop Boxes are placed at the entrance and exit of the transition area to record all split times, including transitions. All split detections are sent wirelessly* in real time to the Ubidium system, which is also recording the finish times and feeding all data in the timing software.

Track Boxes along the bike / run course can be used for a large number of split times and building tracking visualizations.

* Within a range of 900 meters

DATEV Challenge Roth

The DATEV Challenge Roth is the world's largest long-distance triathlon, renowned for its unique atmosphere. Regularly setting new world records, the event combines flawless organization, over 40 years of tradition, and a family-like vibe, making it an unforgettable experience for athletes and spectators alike.

Since 2021, mika:timing has used the RACE RESULT Active System for timing at the event.

FACTS

- 3,500+ athletes
- 31 timing systems + 4 x Track Box Active in the water
- ActivePro transponders worn on participants' ankles
- 57 split times for pro athletes, including swim splits
- 51 split times for age group athletes

© CHALLENGE ROTH

RESULTS

How to time a motocross / enduro race
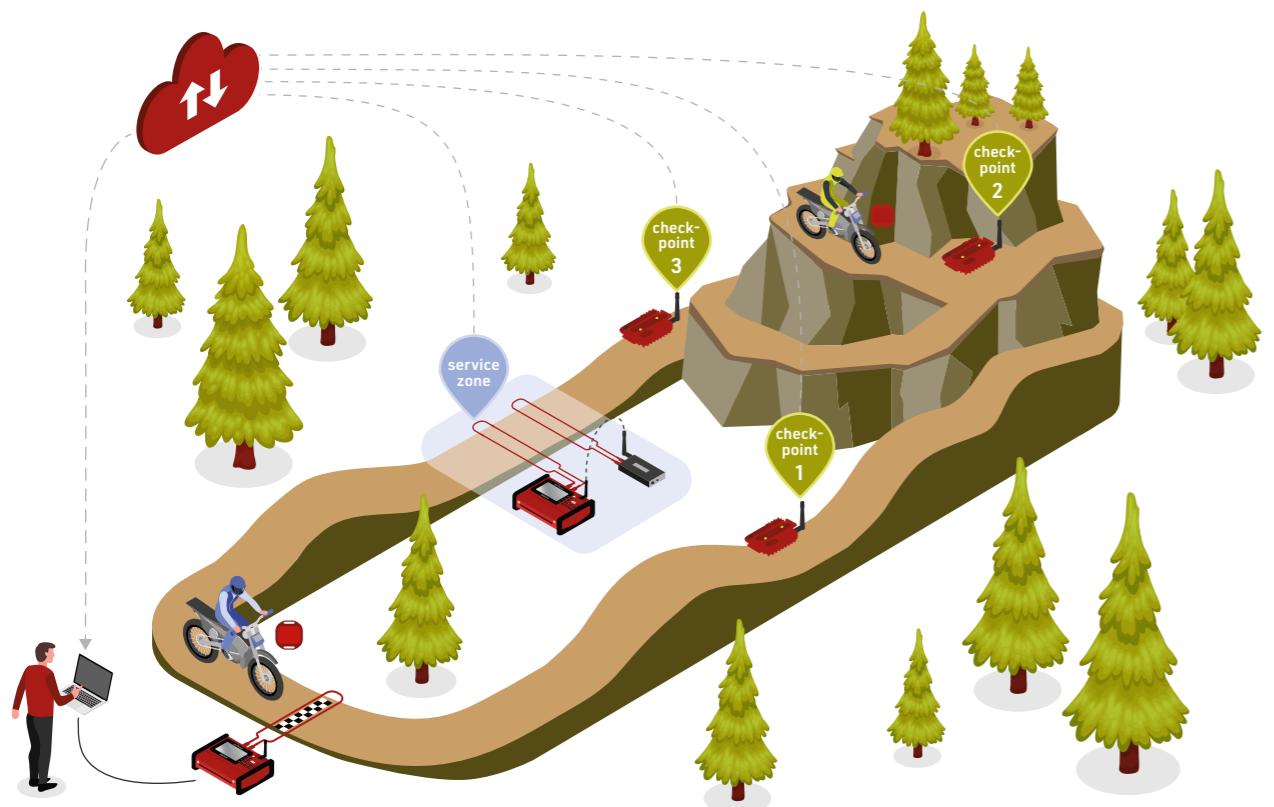
RACE RESULT active technology is perfect for motocross and enduro races where the detection loop needs to be buried. The active system's maximum detection height of up to 2.5 meters makes this possible. The transponder provides exceptional accuracy of 0.004 seconds at speeds of up to 150 km/h, ensuring reliable results and sector times.

For remote locations, the Track Box Active is an ideal solution. It operates without a timing loop, transmits live data, and is quick and easy to set up. The Loop Box can transmit timing data to a nearby main timing point, which makes setups much more versatile and flexible. For optimal performance, drivers attach the ActivePro V3 transponder to the front fork using our specially designed Active Chip Holder. Alternatively, it can be worn on the wrist with a velcro strap.

Red Bull Erzbergrodeo

The Erzbergrodeo is arguably the most renowned enduro event in the world. Each year, hundreds of riders and tens of thousands of spectators gather at the Austrian open-pit mine to witness top-tier motorcycle races in a stunning setting.

In 2024, Erzbergrodeo implemented RACE RESULT technology. This switch marked a significant improvement for both riders and organizers. Previously, riders had to be manually recorded at many checkpoints. Now they can pass through the gates without stopping.

FACTS

- **27 checkpoints along various routes**
- **Live data for timekeeping, rider monitoring and TV broadcast**
- **ActivePro transponder worn around the wrist**

How to time a mud & obstacle race
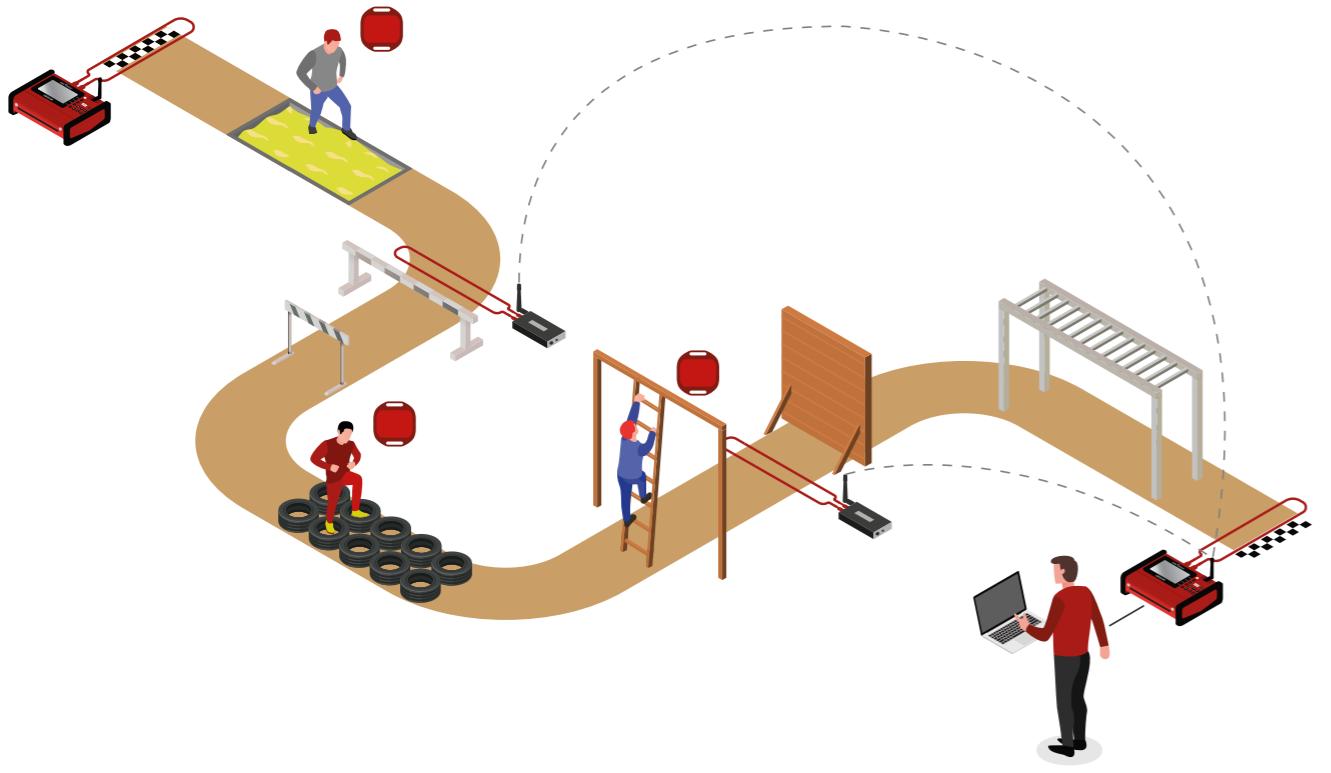
Participants wear an Active V3 transponder on their wrist, secured with a velcro strap, and complete a running course with various obstacles.

A wire loop is installed at start/finish lines and connected to the Ubidium timing system. Depending on the location, the loop can be fixed to the ground with plastic pegs or covered with a rubber mat. As soon as a participant crosses the loop, the time is recorded.

Additional timing points are easily added using compact Loop Boxes at intermediate splits or checkpoints. These can either store the detection on the transponder to be transmitted it at the finish, or send it live and wirelessly to the next Ubidium system.

All timing data is uploaded in real time to the RACE RESULT 14 software, where results and rankings are automatically generated and published live.

Spartan Race®

Spartan, the world's leading endurance sports and extreme wellness brand, uses RACE RESULT's timing technology at its events. At all 250 Spartan races across 40 countries, RACE RESULT active systems and transponders ensure reliable data processing and uncomplicated handling of timing equipment. The timing at Spartan events is carried out with active transponders, which the participants wear on their wrists. The transponders are particularly robust and 100% waterproof, and they work under extreme conditions. All timing and scoring at Spartan events is handled entirely within the RACE RESULT 14 software. Results lists on spartan.com are directly embedded from the system.

FACTS

- **ActivePro transponders worn around athletes' wrists**
- **Split timing points along the course**
- **Loop Boxes transmitting data wirelessly to main timing systems**
- **Timing, scoring, and publishing of results managed in RACE RESULT 14**
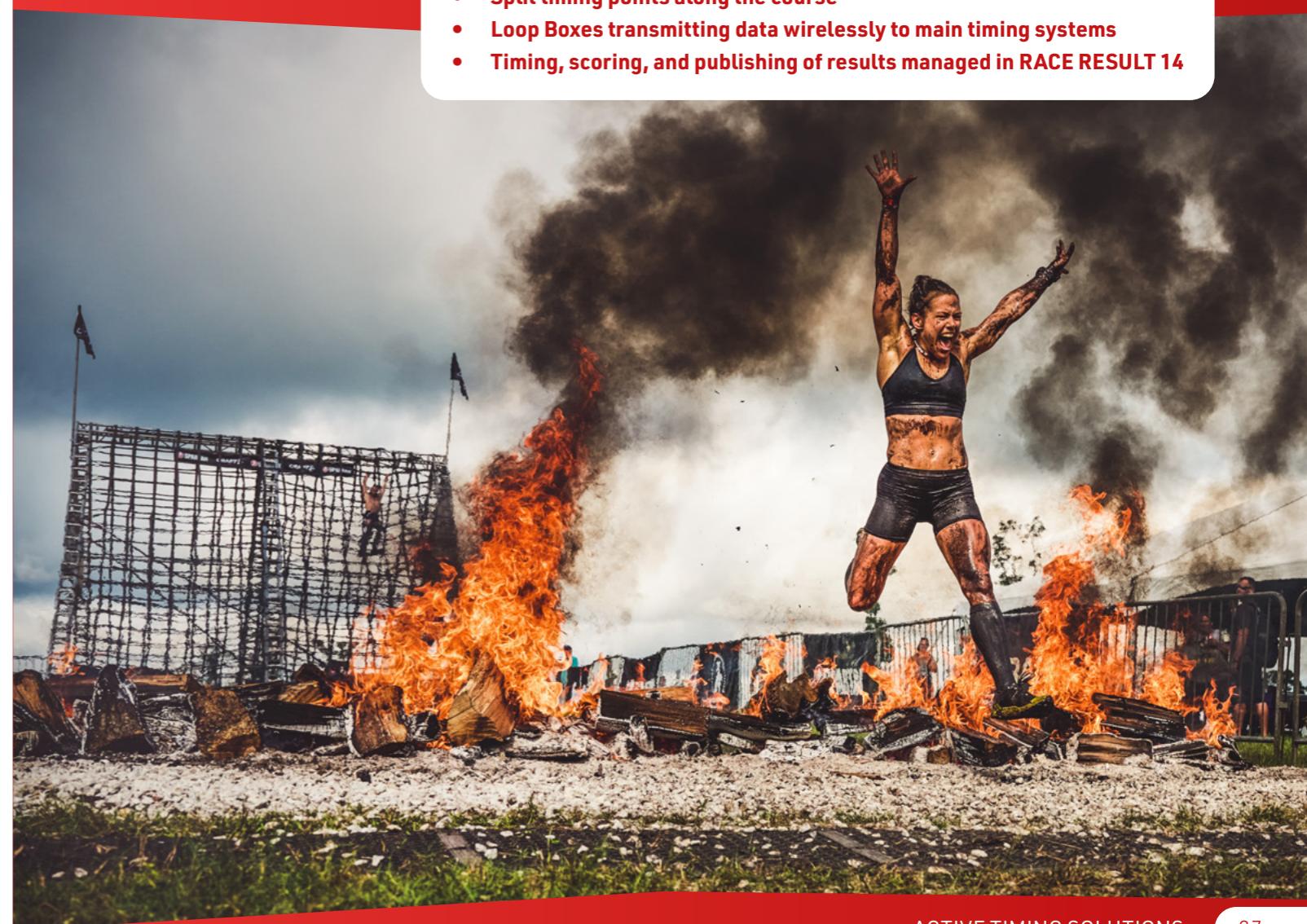
RACE RESULT Active V3 Transponders

Active V3 is our third transponder generation and takes the product to the next level with significantly lower power consumption, greater resistance to interferences and significantly increased accuracy.

The four V3 transponder options are tuned to different application scenarios. Different transponders can be used in the same race.

	ActiveBasic V3	ActivePro V3	ActivePro V3 Performance	MotorKart V3
Description	The budget choice. For clubs and events that appreciate the reliability of active technology and don't need the highest accuracy, tracking and store mode.	The best choice for most events. Combines high accuracy and speed with long battery life, store mode and tracking.	High-end transponders for pro races. Delivers the highest accuracy, most stable data transmission in sprint finishes, additional tracking data and store mode.	Special transponder for timing go-karts, optimized for avoiding electrical interferences and detection heights < 0.5 m. Ensures highest reliability and precision over tens of thousands of rounds of kart racing.
Accuracy	0.2 s	0.004 s		
Max. Speed	60 km/h	120 km/h	150 km/h	120 km/h
Warranty	4 years	5 years	3.5 years	
Activation Antenna	2D	3D		
Store Mode	–	✓	✓	✓
Tracking Mode	–	✓	✓	✓
Tracking Lifetime	–	up to 1000 days	up to 300 days	
Temperature	-25 °C – 70 °C			

Loop Box

The stand-alone Loop Box is the smart way of collecting split times. At nearby timing points, detections are sent wirelessly to the main system. In case of remote timing points, the transponder saves the passing time and then transmits it when arriving at the finish.

- replaces Ubidium for splits
- internal battery for 12 - 20 h
- repeat mode range up to 900 m
- no wiring needed between main timing system and Loop Box

USB Timing Box

Even smaller alternative to Ubidium. The device is connected directly to the PC and provides the same timing data.

- internal storage up to 1,000 detections
- internal battery up to 12 hours
- receives split times from Loop Boxes

Management Box

The multitool to manage active transponders and Track Box Active.

- set transponders to deep sleep, in order to conserve battery when not in use
- check your inventory of active transponders
- manage Track Boxes
- activate Tracking Mode on the transponders

Track Box Passive

The RACE RESULT Track Box Passive is the perfect solution for split points. No other timing device on the market offers so many opportunities in such a small handy box. The Track Box Passive combines a custom UHF reader and antenna, 4G/LTE modem, GPS module and internal battery all in one ready-to-go unit.

- **Small & lightweight**
- **Battery life up to 18 h**
- **GPS & LTE modem inside**
- **Up to 8 m range with two boxes**
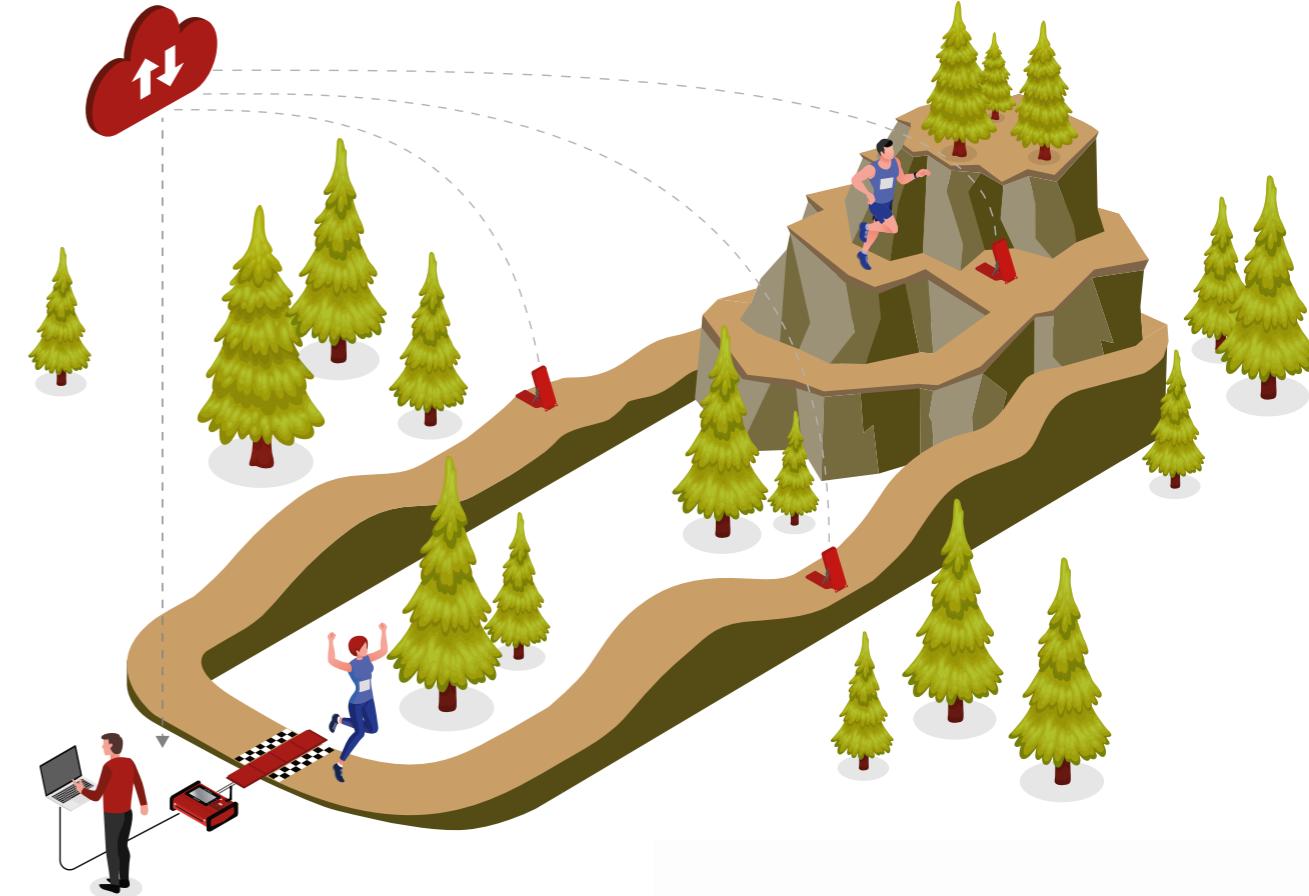
Self-sufficient device
The Track Box Passive is a complete timing system. It can even be connected to a solar panel for permanent installation.

Unmatched dimensions
With a weight of only 1.7 kg / 3.7 lbs, the box can be easily carried to remote locations. Automatic standby mode lets the box preserve energy during the night.

Hands-free solution
Being pre-configured, the device is activated with one click of a button and now runs autonomously for 10-18 hours.

Remote control
Main functionalities can be configured and managed via an online interface.

Dual box synchronization
This patented feature allows you to setup up Track Boxes on each side of the road, without worrying about interferences. Up to 8 m wide timing points are possible.

Track Box Active

The Track Box makes timing and tracking possible with the same transponder. Positioned along the route or placed on lead vehicles, the Track Box receives signals from all ActivePro transponders, that have Tracking Mode activated, within a radius of 50 m. The data is transmitted live and allows real-time data visualization of the race and an unprecedented number of timing splits.

- Detects transponders in 50 m radius
- Up to 5 days battery life
- Built-in magnets for easy mounting
- Stack charging
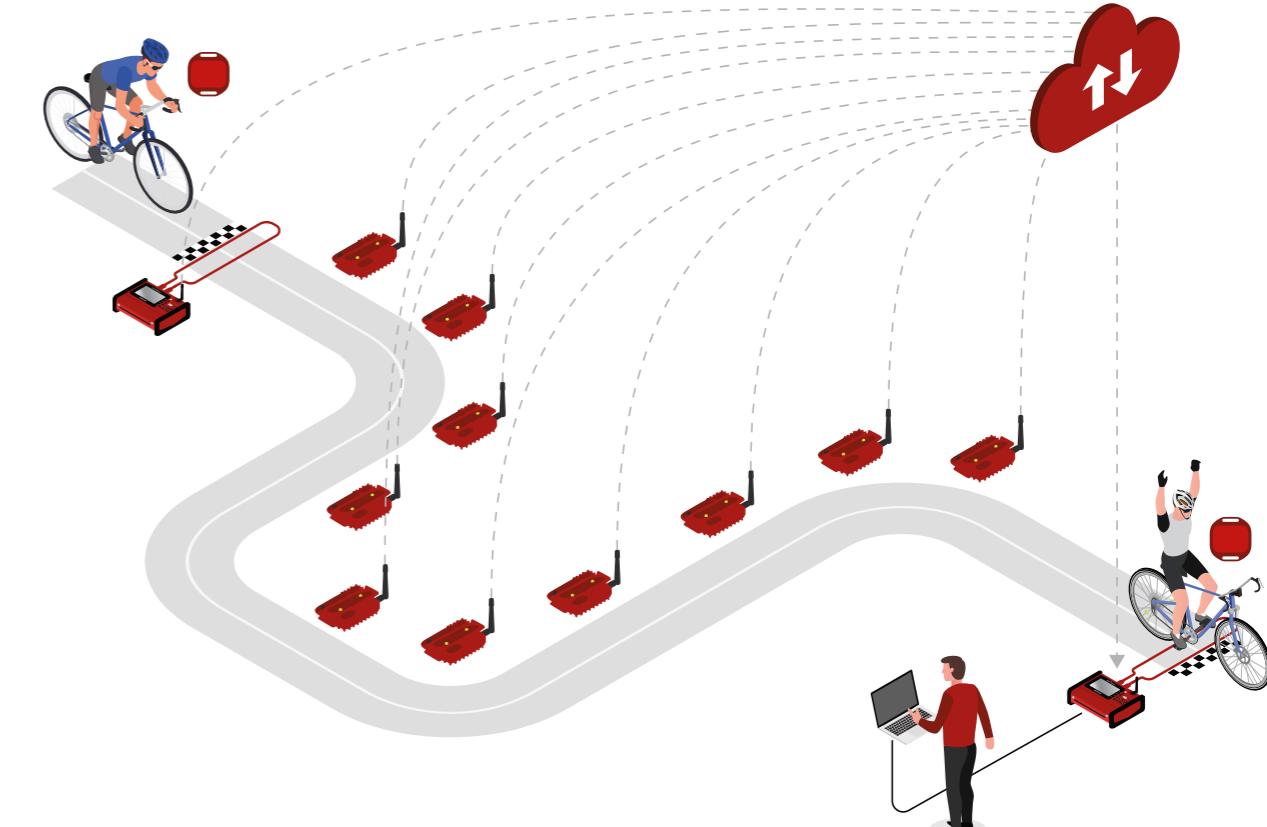
Easy setup
The box receives track pings from ActivePro transponders in a 50 m radius (200 m with ActivePro Performance), without placing a timing loop on the road. The timing accuracy is around 1 s.

Tracking visualization
With each transponder ping the box forwards to the timing server, it also transmits its current GPS position. This data can easily be used to display live tracking on maps.

Long Battery life
Due to a battery life of up to 5 days, the boxes can be deployed the day before the race or can be used for long-lasting events.

Small dimensions
With a weight of only 400 g, the Track Box can easily be carried to remote timing locations and can be set up by a volunteer without any further knowledge. It is switched on and activated with a push of a button.

RACE RESULT 14
Software

RACE RESULT 14 software is designed to handle and streamline the management and timing of any sports event. Its user-friendly, browser-based interface enables you to effortlessly create and execute events without the need for complex formulas or calculations.

With RACE RESULT 14, all event settings are conveniently consolidated in one place. It combines online registration, participant management, payment processing, event timing, scoring, and live results presentation within a single browser tab.
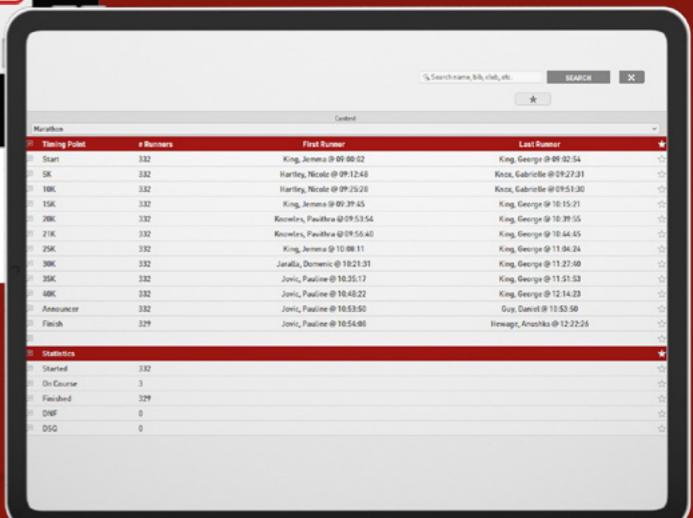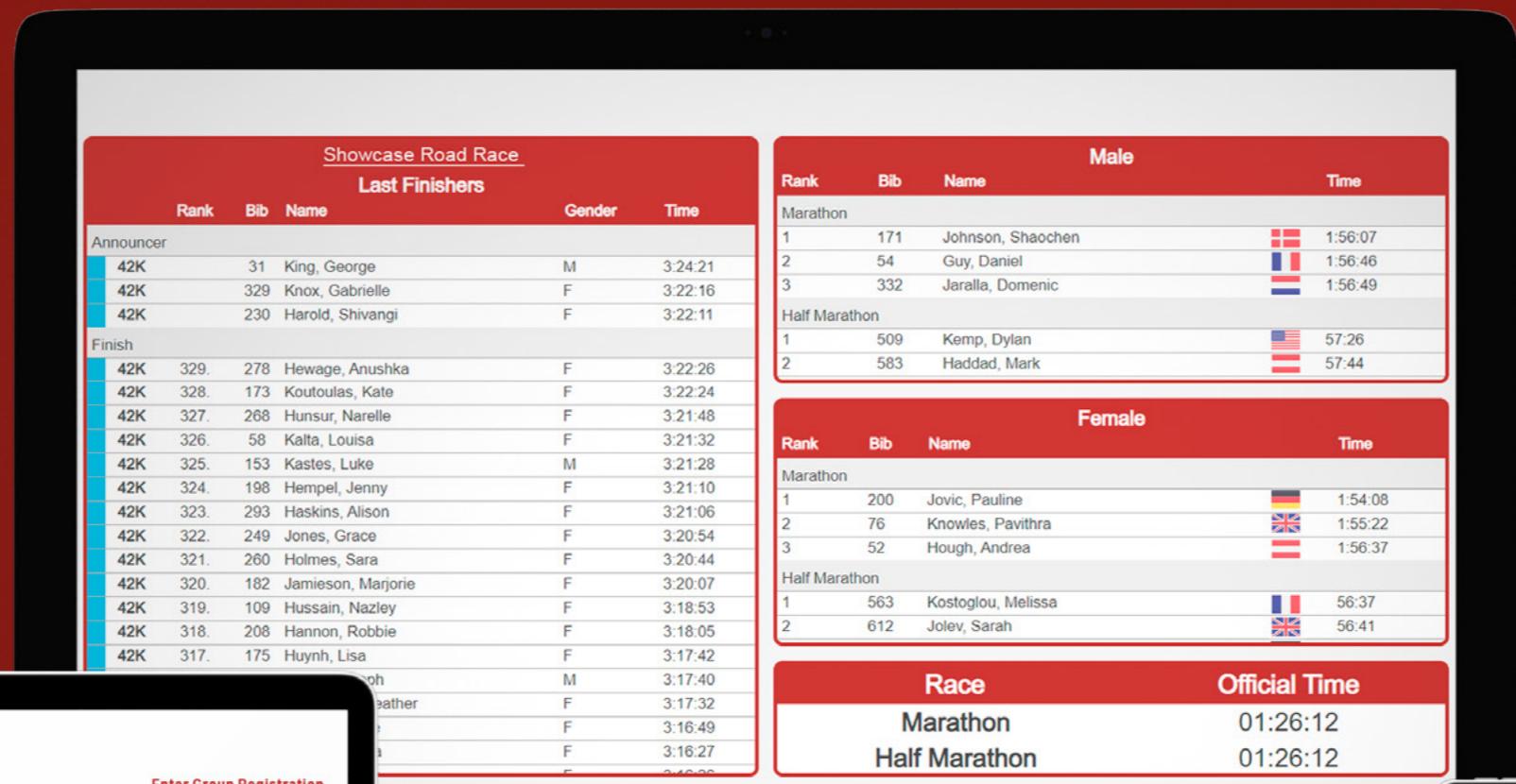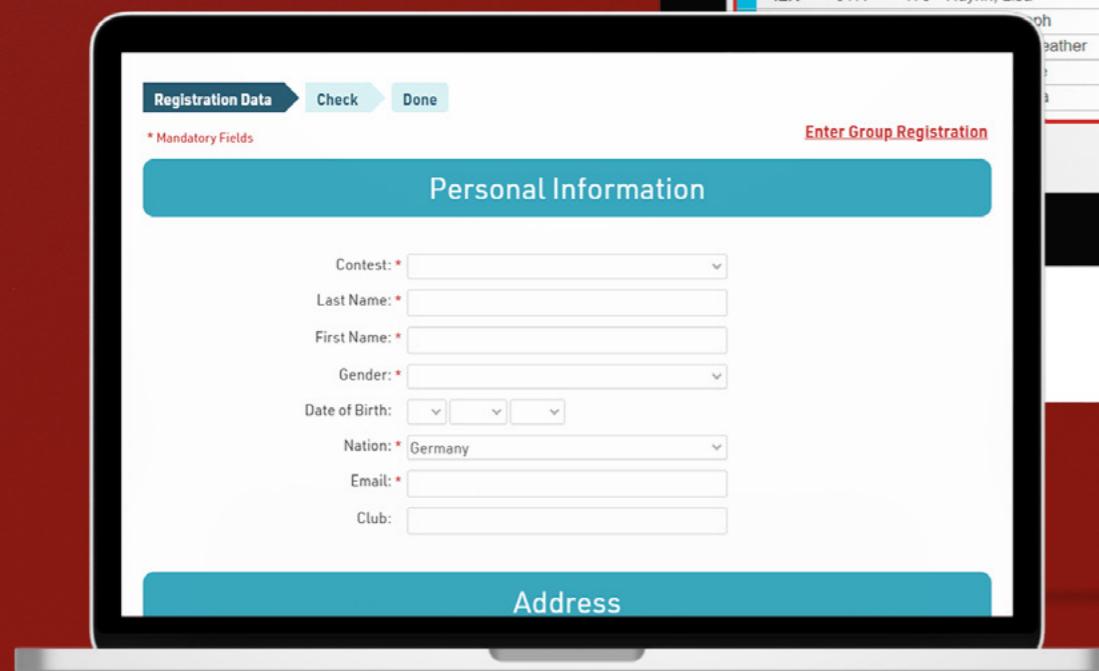
Visit our website to learn more about the software features and explore some output examples:

**MORE INFO**
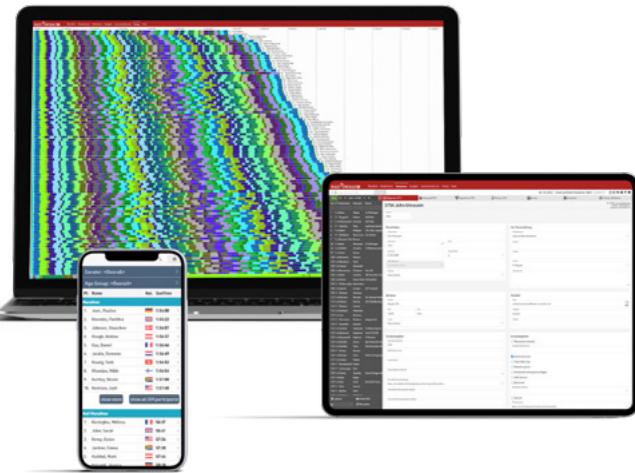
Remote Event Management

RACE RESULT 14 allows you to seamlessly manage events entirely online. You can access all the necessary data and settings from anywhere, facilitating collaboration with colleagues working on the same file. Additionally, the software and event files can be downloaded onto your computer for offline use.

Flexible Online Registration

Setting up online registrations for your events is quick, simple, and highly customizable. With just a single click, you can publish the registration on my.raceresult.com or embed it into your own website. The software also enables you to send emails and provides a convenient payment processing service.

Smooth Event Timing

RACE RESULT 14 provides a clear overview of all timing systems within the software. You can easily assign them to specific timing points and adjust their settings remotely. All timing data is transmitted live to the software for instant access.

Live Results Online

RACE RESULT 14 ensures that all results are calculated and published in real time. The responsive list design offers spectators a comfortable viewing experience on their smartphones, allowing them to follow their favorite athletes live. Engaging features such as automatically calculated predictions and leaderboards further enhance the event experience.
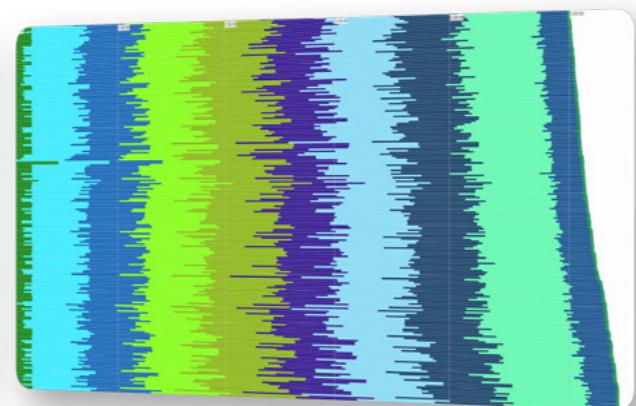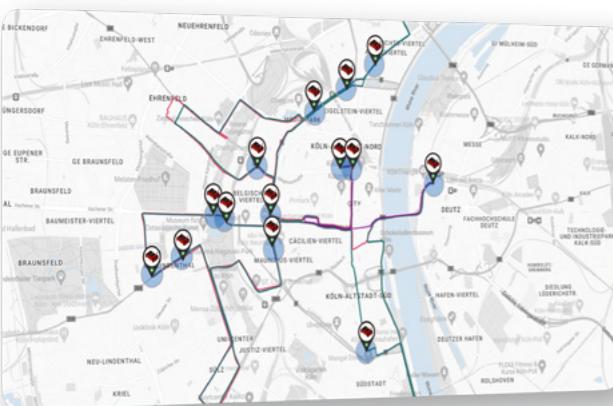
Access Timing Systems

All timing systems associated with the event are clearly displayed on a map, both Ubidium and track boxes. In this way, you can also keep track of the connection quality, battery status, etc. All essential settings can be controlled remotely.

Intuitive Scoring Tools

With the "Splits" tool, you can easily set up timing points and time limits for different contests of your race. Check all settings with the integrated race simulation. The Race Visualization offers a first-class overview of the race.

On-Site Results Presentation

Built-in software tools simplify the presentation of results on large screens, LED walls, or results terminals, making it effortless to keep participants, spectators and race officials updated.

Managing data access

RACE RESULT 14 provides various options for managing data access. The Results Kiosk allows helpers to view and update specific participant data, while APIs and Exporters allow real-time data transfer to third-party solutions.

11

Who are we?

Our success is based on close collaboration with event organizers and timing professionals. Thanks to continuous feedback from thousands of events, we consistently refine our solutions to cater to the specific demands of the timing industry.

INNOVATIVE

We **think differently**. We listen to our customers and try to make customers' lives better. As a RACE RESULT customer, you can always depend on working with the latest technologies.

FAIR

All customers are **treated fairly**. This enables everyone to grow and be equally successful together with RACE RESULT. We continuously strive for respectful cooperation among our teams.

SUSTAINABLE

We **grow together** with our customers. Transparent pricing allows everyone reliable business models. Corporate profits are largely invested in the development of new products and services.

Customer Success

Whenever you need help with timing, our team is available to support you. We have a network of offices and distributors worldwide who also always welcome your inquiries.

Online

The Knowledgebase on **www.raceresult.com** includes extensive instructions on how to use both hardware and software. In our Online Training Lessons, you and your team can learn all major features step by step.

Academy

We regularly organize training sessions and timer conferences at different locations around the world. On request, we can also set up personal and customized training to fit your needs at your location.

Personal

For individual support, contact us at **support@raceresult.com** or request an online video chat with our team. We will gladly take the time to support you!

Our passionate development team pushes the limits of timing technology a little further every day. Through this relentless pursuit, we keep reinventing the future of an entire industry.

The production team has exceptional expertise in the assembly and processing of electronic components. Each product undergoes rigorous quality assurance checks prior to shipment.

Development & Production

At our company headquarters in Pfinztal in southern Germany, all departments collaborate closely. We have brought more and more work steps in-house over the years to enhance the efficiency of our products and uphold the highest quality standards.

Printing

Each year, we produce over 12 million customized race bibs for events around the globe – all printed in-house and to the highest quality standards. We print exclusively on Tyvek®, the premium material for race bibs. Our service stands for tailored customer solutions, fast turnaround times, and great product quality.

High-Quality Race Bibs

We produce up to 100,000 bibs with individual 4C design and personalization per day. Your bibs are printed on Tyvek® with digital offset print.
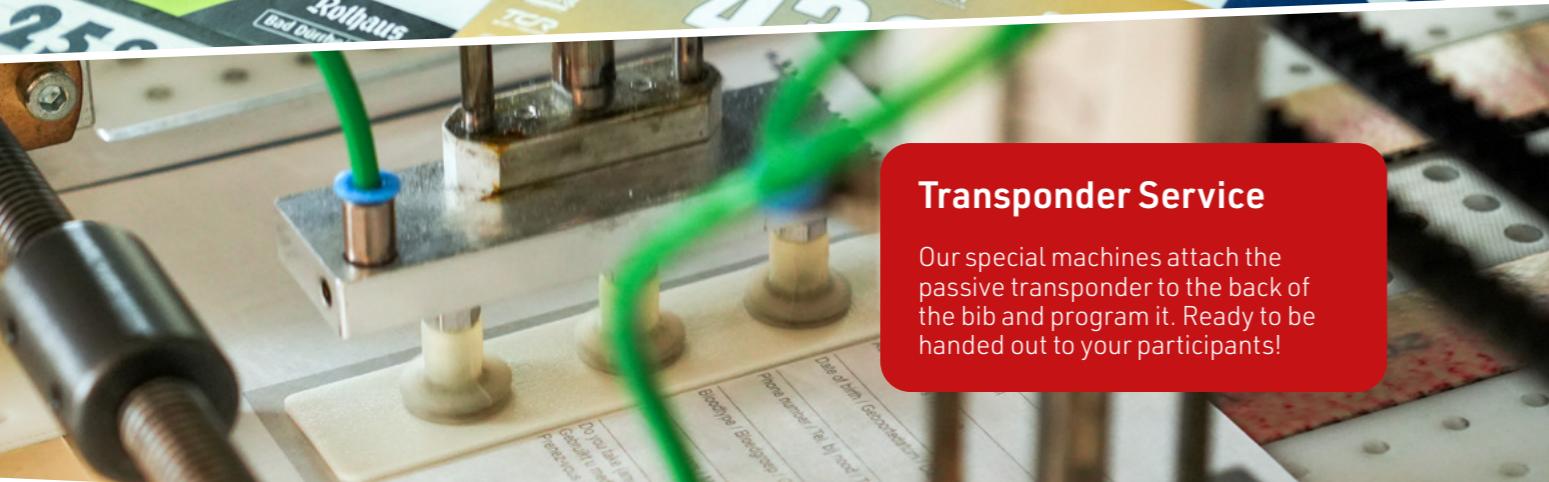
Transponder Service

Our special machines attach the passive transponder to the back of the bib and program it. Ready to be handed out to your participants!

Transponder Printing

If you order transponders on roll, we will program them to your desired number ranges.

CAPACITY
Germany: 120,000 per day
US: 60,000 per day
Australia: 30,000 per day
Asia: 30,000 per day

Sample Tyvek Bib Number, A5, full color

This bib sample is printed on Tyvek, the material of our RACE RESULT bibs.

HEADQUARTERS

RACE ▌RESULT
Precision · Passion · German Engineering

race result AG
Joseph-von-Fraunhofer-Straße 11
76327 Pfinztal
Germany

Tel. +49 (721) 961 409 01
info@raceresult.com
www.raceresult.com

LINKEDIN

OFFICES & DISTRIBUTORS

RACE RESULT
Americas

Mark Bockmann
info.usa@raceresult.com

RACE RESULT
Americas

Julia Bellamy
info.usa@raceresult.com

RACE RESULT
Asia

Elliot Tabraham-Dowers
asean@raceresult.com

RACE RESULT
LATAM

José María Ravera
latam@raceresult.com

RACE RESULT
UK

David Jones
info@raceresult.co.uk

RACE RESULT
France

Gérald Chalamet
info@raceresult.fr

RACE RESULT
Switzerland

Hanno Maier
info@raceresult.ch

RACE RESULT
Australia

Aaron Clarke
info@raceresult.com.au

RACE RESULT
Denmark

Ib Stokkebye
ib.stokkebye@raceresult.com

RACE RESULT
Slovakia

Jaroslav Štancel
info@raceresult.sk

RACE RESULT
India

Jaskirat Singh
india@raceresult.com