

RACE RESULT

Precision · Passion · German Engineering



31,000+
events per year

23,000,000+
athletes per year

140+
countries

11 offices
around the world

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Made of moments

Precision is key in race timing. Everything comes down to the moment an athlete crosses the line. Our timing technology captures it reliably, in any condition and at any scale. With Ubidium, we offer the most innovative timing system on the market. Events worldwide, from community runs to world championships, rely on our technology.

We develop and produce everything in-house in Germany: timing systems, transponders, software and race bibs. And we keep improving it by listening to our customers. Whenever you need help, our team is there for you personally.

But a race is more than data. It is made of moments: the nervous wait at the start, a friend cheering at the roadside, the first look at the finish time.

With RACE RESULT 14 and my.raceresult.com, timers and organizers turn data into moments that matter. Families follow their athletes on a live map, runners celebrate a new personal best, and friends sign up together for the next challenge.

Let's make every race something to remember, together.

Soenke Petersen, CEO

The Complete Solution for Race Timing

From registration to the final results, everything comes from one source: timing hardware, transponders, bib numbers, software and live results presentation. Use the complete solution or just the parts you need. Every component fits into your existing workflows, whether you're timing a local 5K or a world championship.

6 Ubidium Timing System

The most advanced timing system on the market with innovative features and unrivaled connectivity.

12 Passive Timing Solutions

Reliable and accurate UHF technology for for all kinds of running races, cross-country MTB, gravel, trail runs or smaller triathlons.

20 Active Timing Solutions

A guarantee for the highest precision and reliability under any condition. Ideal for cycling, triathlon and obstacle runs.

30 Track Box

Outstanding devices for simple split times, athlete tracking and many other use cases.

34 RACE RESULT 14 Software

The complete solution for timing and managing of any kind of sports event. Includes live data export, online registration and results platform.

38 About Us

The values that shape how we work with our customers.

UBIDIUM

Ubidium is our timing system for active and passive timing, combined in a single device. Developed from the experience of thousands of events and shaped by feedback from timers around the world, it is now in use at to the biggest stages in endurance sport.

With exceptional battery life, a rugged design and versatile connectivity options, Ubidium keeps your data flowing, wherever race day takes you.



Clear at a Glance

At around 4.1 kg / 9 lbs with two batteries, Ubidium is easy to carry to any timing point. The 6.2" display stays readable even in extreme temperatures, while always-visible LEDs and large buttons put every function within reach. Accurate battery status reporting shows exactly how much runtime is left.



MORE INFO



Active Timing, Built In

Plug your active loop straight into Ubidium and build timing lines up to 30 m* wide with 100 % loop power. Stored passings and repeat mode work just as you know them from the RACE RESULT active system.

* depending on regulatory region



Ready to Connect

GPS and 4G on board, three Ethernet ports with internal switching, plus Wi-Fi, USB-C and USB-A. PoE in and out powers Ubidium itself as well as third-party devices. Internal and external SIMs provide a backup for data transmission and enable remote support when needed.

Built for All Conditions

A heating element protects the batteries from frost. An integrated fan cools the system and clears out moisture as soon as the humidity sensor detects a risk of condensation. The front lid shields all connectors from rain, while display and buttons stay accessible at all times.



Built-in Redundancy

Two independent cables run from the connector through the entire antenna. In addition, each segment is linked to the reader two segments earlier, creating separate data lines in an A-B-A-B scheme. Two layers of redundancy for reliable reads.

A Reader in Every Segment

Each segment contains its own reader and antenna, developed by RACE RESULT specifically for sports timing. No external reader, no port limits.

Foldable and Easy to Handle

Each segment is 77 cm wide, and a standard 4.6 m setup (6 segments) weighs just 24 kg / 53 lbs. Flat edges make it easy to cross on road and off-road, and the foldable design keeps transport and storage compact.

Up to 23 m Wide

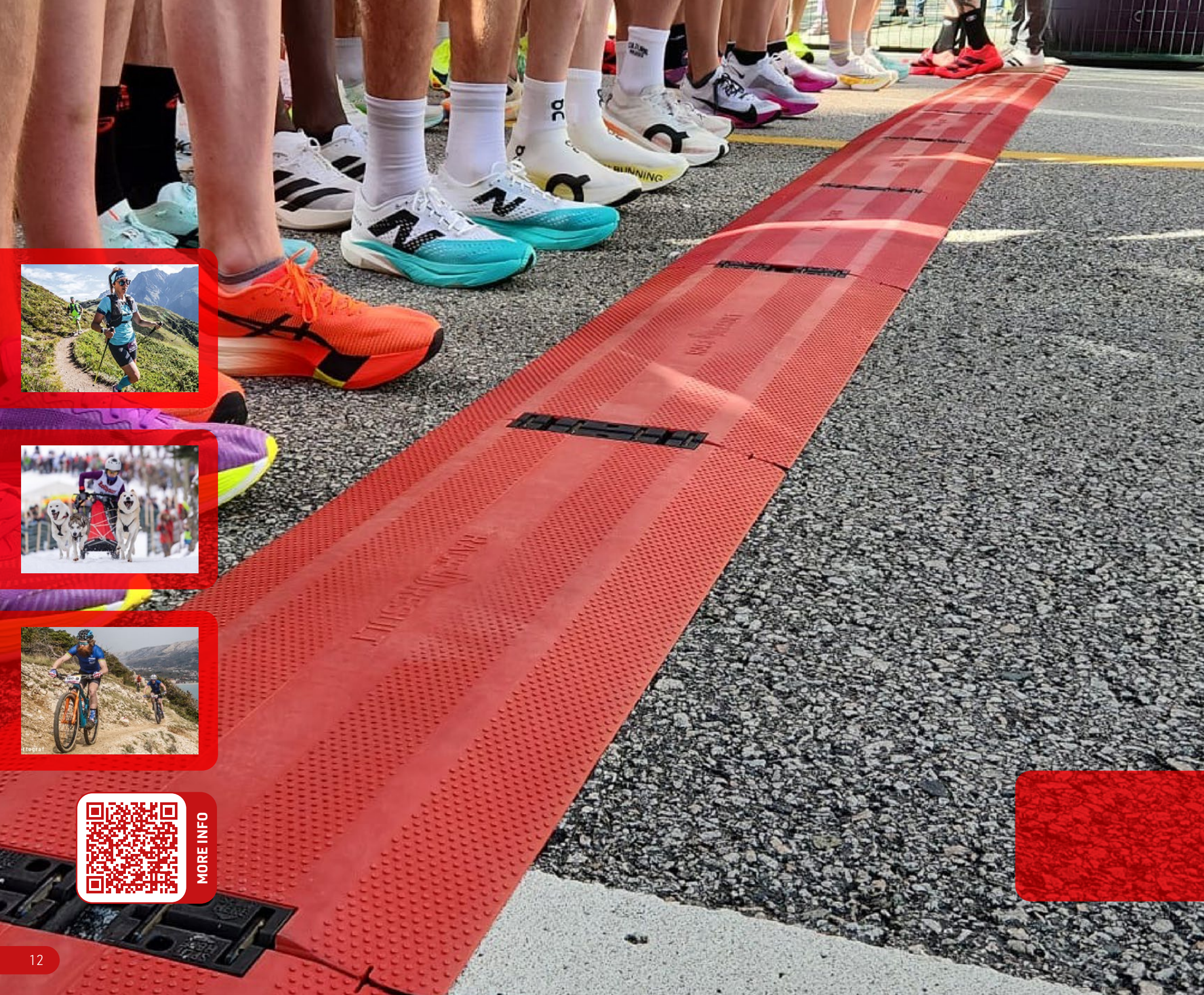
Add or remove segments in pairs for timing lines from 1.5 m to 23 m, on a narrow trail or across a wide city road.

Plug and Go

The Ground Antenna connects to Ubidium with a single connector. Unfold it, plug it in, and your timing point is ready.

Ubidium Foldable Ground Antenna

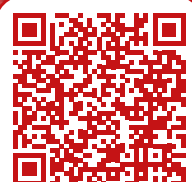
The new standard for passive timing. RACE RESULT introduced the first foldable UHF timing mat in 2014. The Ubidium Ground Antenna takes the idea a big step further: every segment has its own integrated reader. This removes the port limit of conventional UHF readers. The result: timing lines of up to 23 m with a single system, higher read rates and lower power consumption.



Passive Timing Solutions

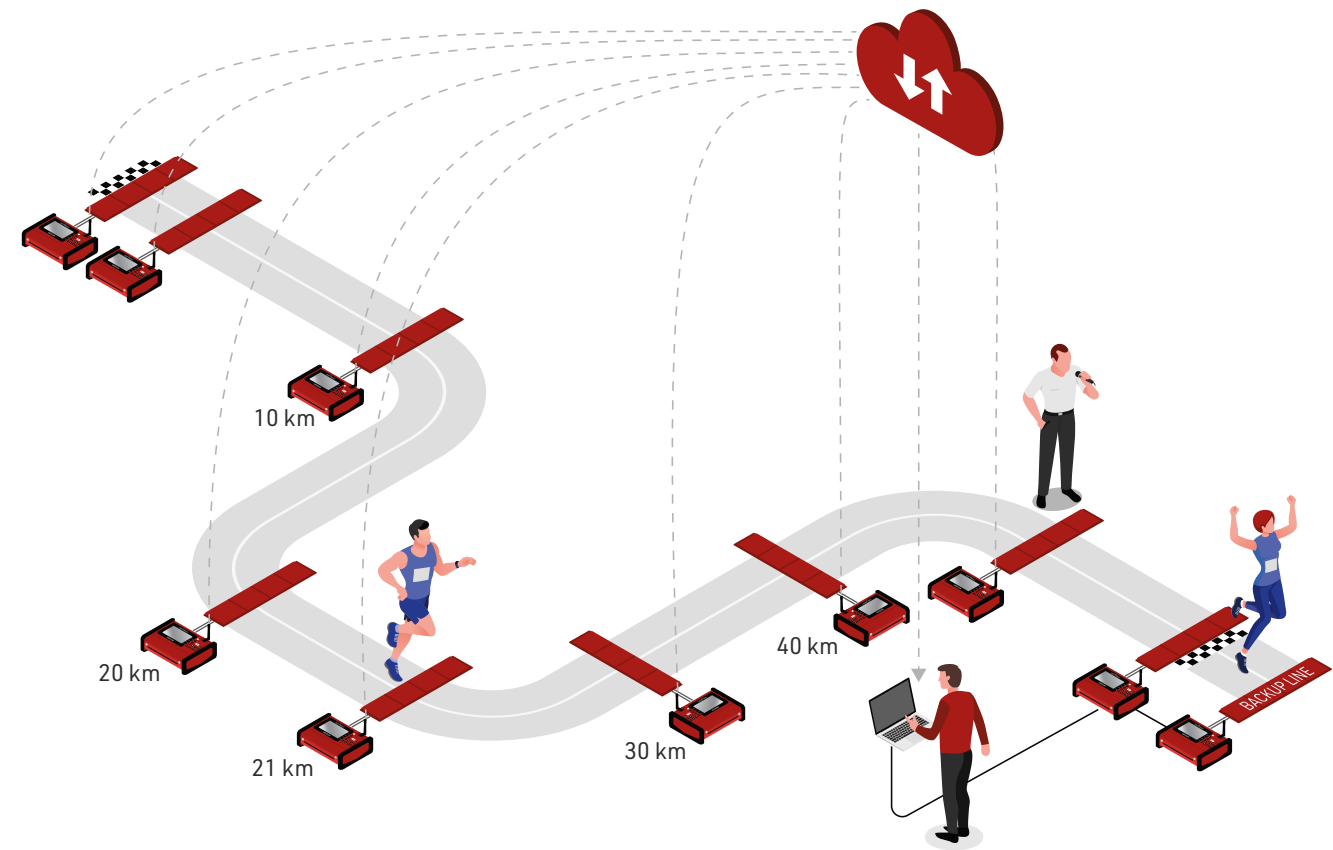
RACE RESULT passive timing technology uses UHF to detect transponders. It is the optimal choice for all kinds of running races, cross country MTB, trail runs or smaller triathlons. Combined with the Ground Antenna, our sports-optimized transponders deliver outstanding reliability, flexibility and detection rates.

- Easy setup
- 0.2 s accuracy
- 60 km/h detection speed
- Up to 23 m timing line width



MORE INFO

How to time a road race



With the Passive Solution, one person can set up a complete timing point in just a few minutes. No cables across the road, no external power: thanks to the Ground Antenna's low power consumption, Ubidium's internal batteries last for most events.

In a typical marathon setup, timing points are placed at the start and finish as well as at 10K, 20K, half marathon, 30K and 40K. Start and finish are covered by a main and a backup system. All systems are synchronized via GPS and send detections live to the software over Wi-Fi or mobile network (SIM required).

Results and predictions are published in real time, so spectators can follow their runners along the entire course.

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.

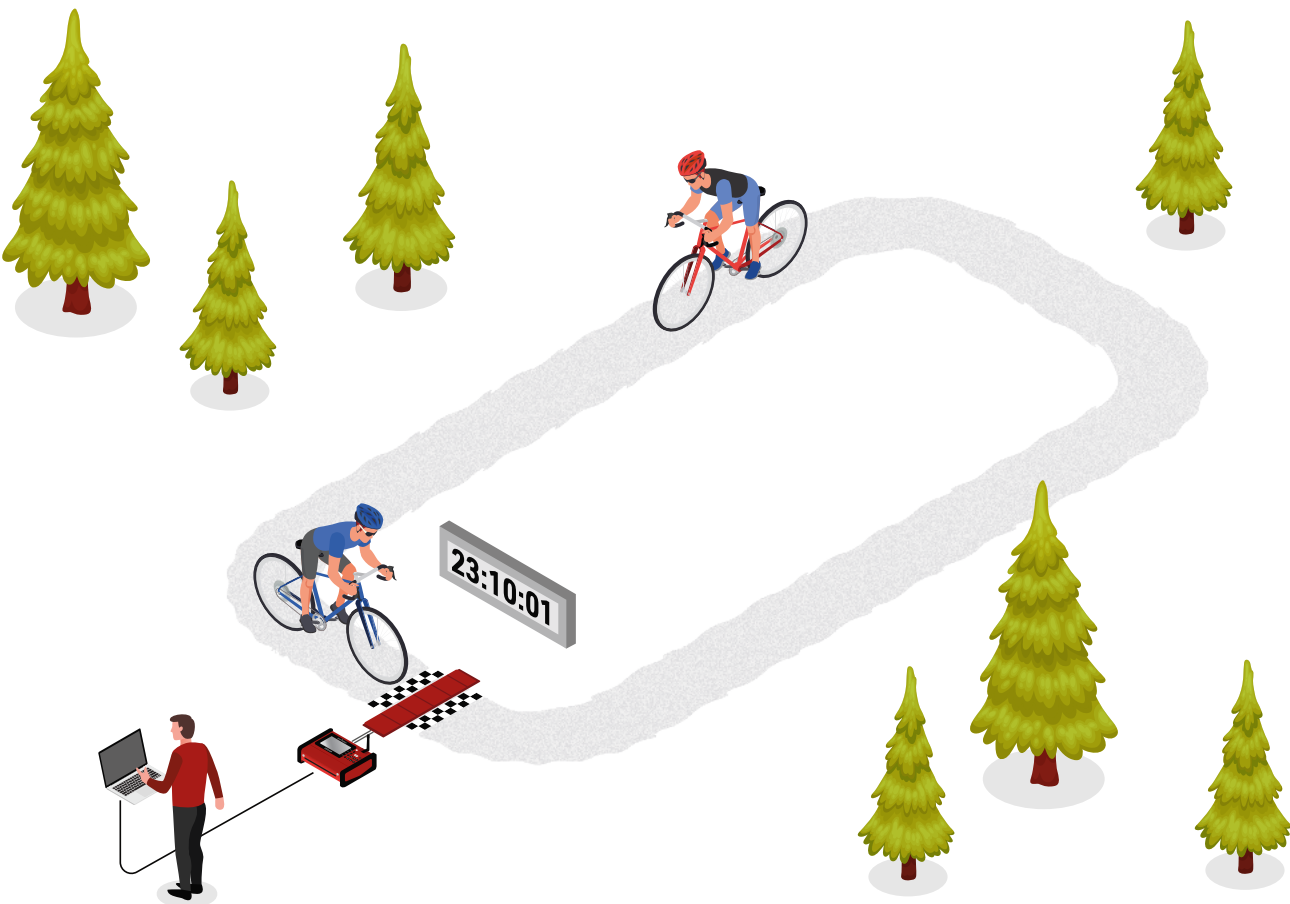
mika:timing is a leading provider in the mass participant industry for timing and results. Founded by Harald Mika, the company has delivered top-notch computerized timing and scoring solutions for over 30 years.

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



How to time a gravel race



For mountain bike and gravel races, we recommend the Passive Solution with disposable transponders on the back of the handlebar plates. Participants simply attach their plate to the bike, with no separate transponder needed. This setup is used at amateur and elite events alike.

At the start and finish, the Ground Antenna and Ubidium form the main timing line, set up in minutes and running on internal batteries. For checkpoints and sector times out on the course, the Track Box Passive is the lighter option: battery-powered, with its own antenna and 4G modem, and ready to go at the push of a button. All detections are sent live to RACE RESULT 14 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.

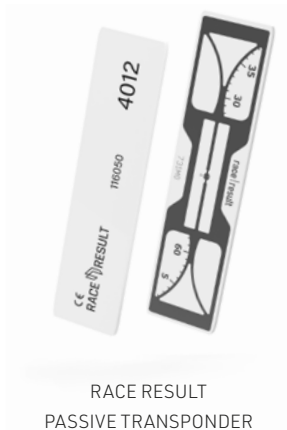
- FACTS**
- 1,000 participants
 - Handlebar Plates with Passive Transponder attached
 - Ubidium + Ground Antenna for start & finish
 - Track Box Passive for checkpoints
 - RACE RESULT 14 software



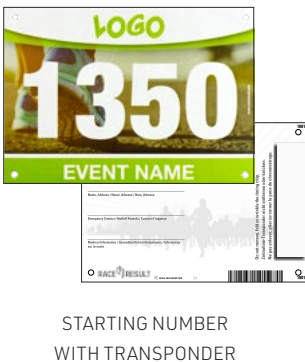
RACE RESULT Passive Transponder

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



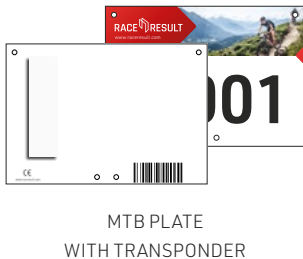
RACE RESULT
TRIATHLON-TAG (DISPOSABLE)



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

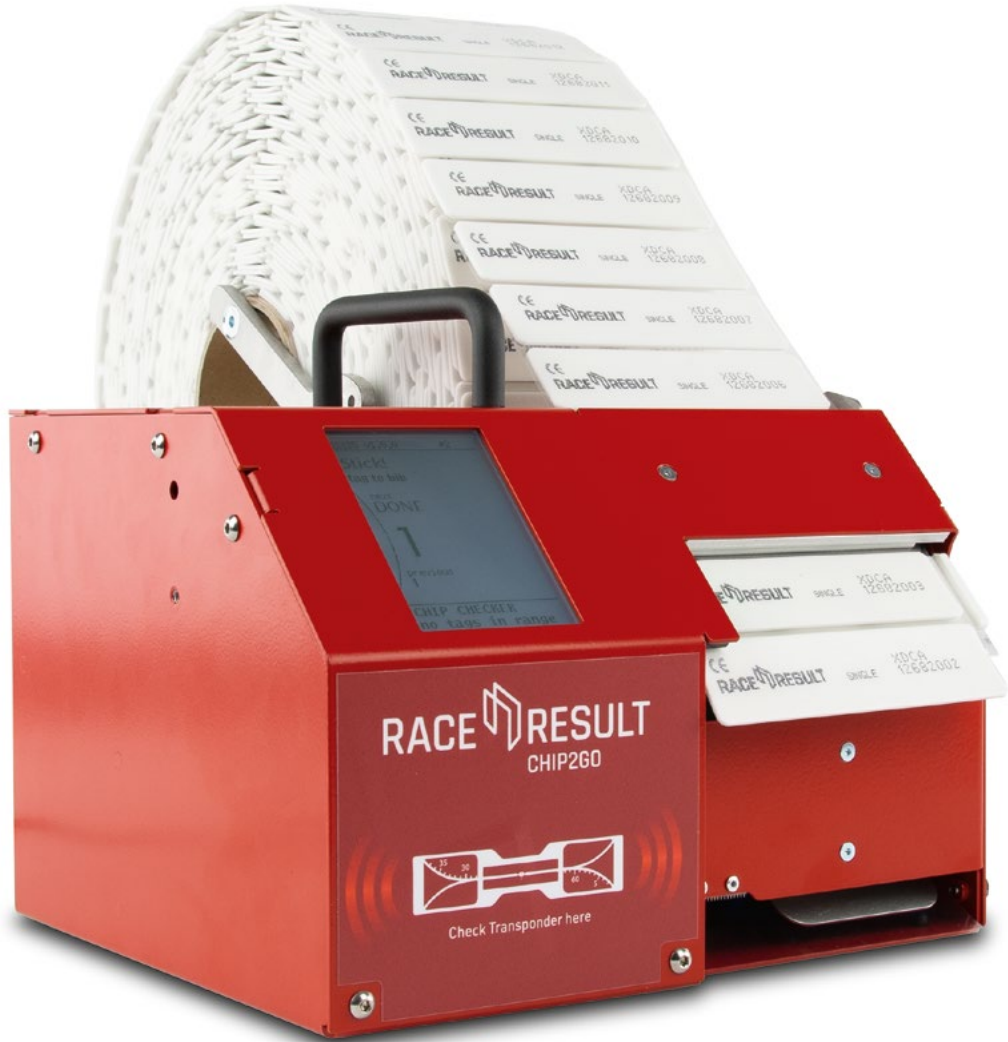
With Chip2Go, timekeepers can flexibly program RACE RESULT Passive Transponders on their own.

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

- throw away newer transponders
- no separate chip file required
- easy to handle, even for volunteers
- self-sufficient process, no computer needed



MORE INFO





MORE INFO



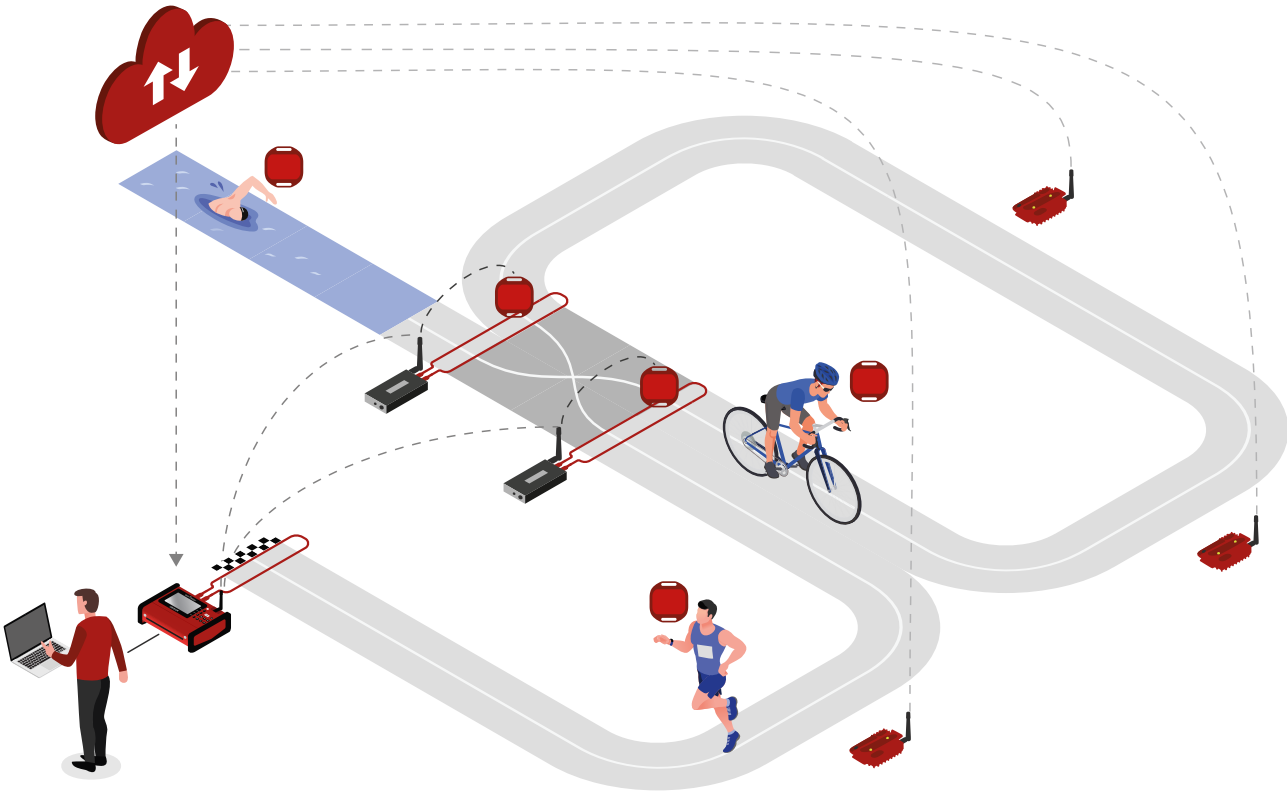
Active Timing Solutions

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
- up to 30 m timing line width

How to time a triathlon



Our Active Solution is used at numerous long-distance triathlons and World Triathlon Championship Series races. Waterproof transponders, 100 % detection rates and the highest precision make it the reliable choice for multisport events.

Two Loop Boxes at the entrance and exit of the transition area record every split, including transition times. They send all detections wirelessly* and in real time to Ubidium, which takes the finish times and feeds all data into the timing software.

Along the bike and run course, and even in the water, the Track Box Active adds as many splits as you need without placing a loop. Each detection also includes a GPS position, so athletes can be followed live on a map.

* 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



How to time a motocross / enduro race



RACE RESULT active technology is ideal for motocross and enduro races, where timing loops often need to be buried. With a detection height of up to 2.5 m, the loop stays protected underground while every passing is reliably recorded. At the finish, Ubidium takes the times with an accuracy of 0.004 s at speeds of up to 150 km/h.

Loop Boxes add further timing points and send their data wirelessly to the nearest main timing system. For remote checkpoints, the Track Box Active works without any loop at all: quick to set up and transmitting live data.

For optimal performance, riders attach the ActivePro V3 transponder to the front fork using our Active Chip Holder. Alternatively, it can be worn on the wrist with a hook-and-loop 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.

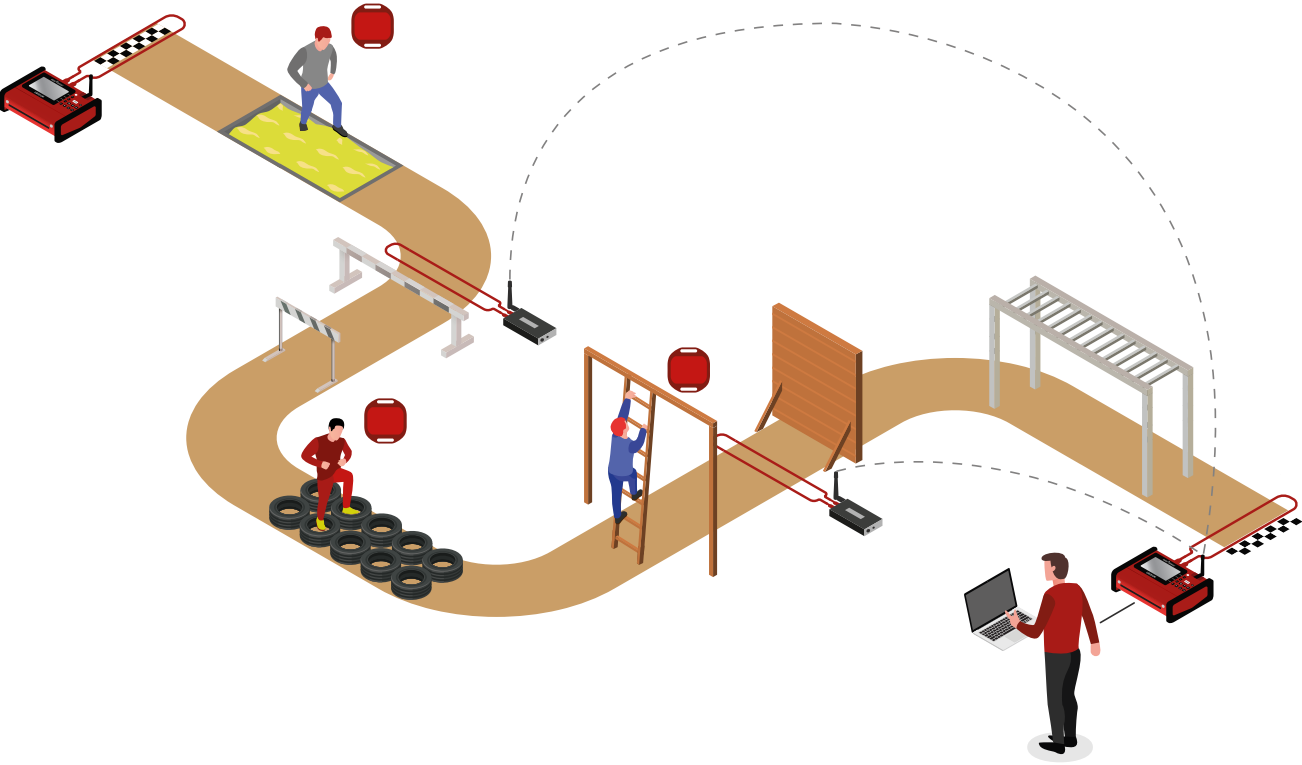
In 2024, Erzbergrodeo implemented RACE RESULT technology. This switch marked a significant improvement for both riders and organizers. Previously, riders had to be manually recorded at many checkpoints. Now they can pass through the gates without stopping.

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



Mud, water and rough terrain call for robust technology. Participants wear a waterproof Active V3 transponder on their wrist, secured with a hook-and-loop strap, and complete a running course with various obstacles.

A wire loop is installed at the start and finish and connected to Ubidium. 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. They either store the detection on the transponder and transmit it at the finish, or send it live and wirelessly to the nearest Ubidium system.

All timing data flows into RACE RESULT 14, where results and rankings are generated automatically and published live.

Spartan Race®

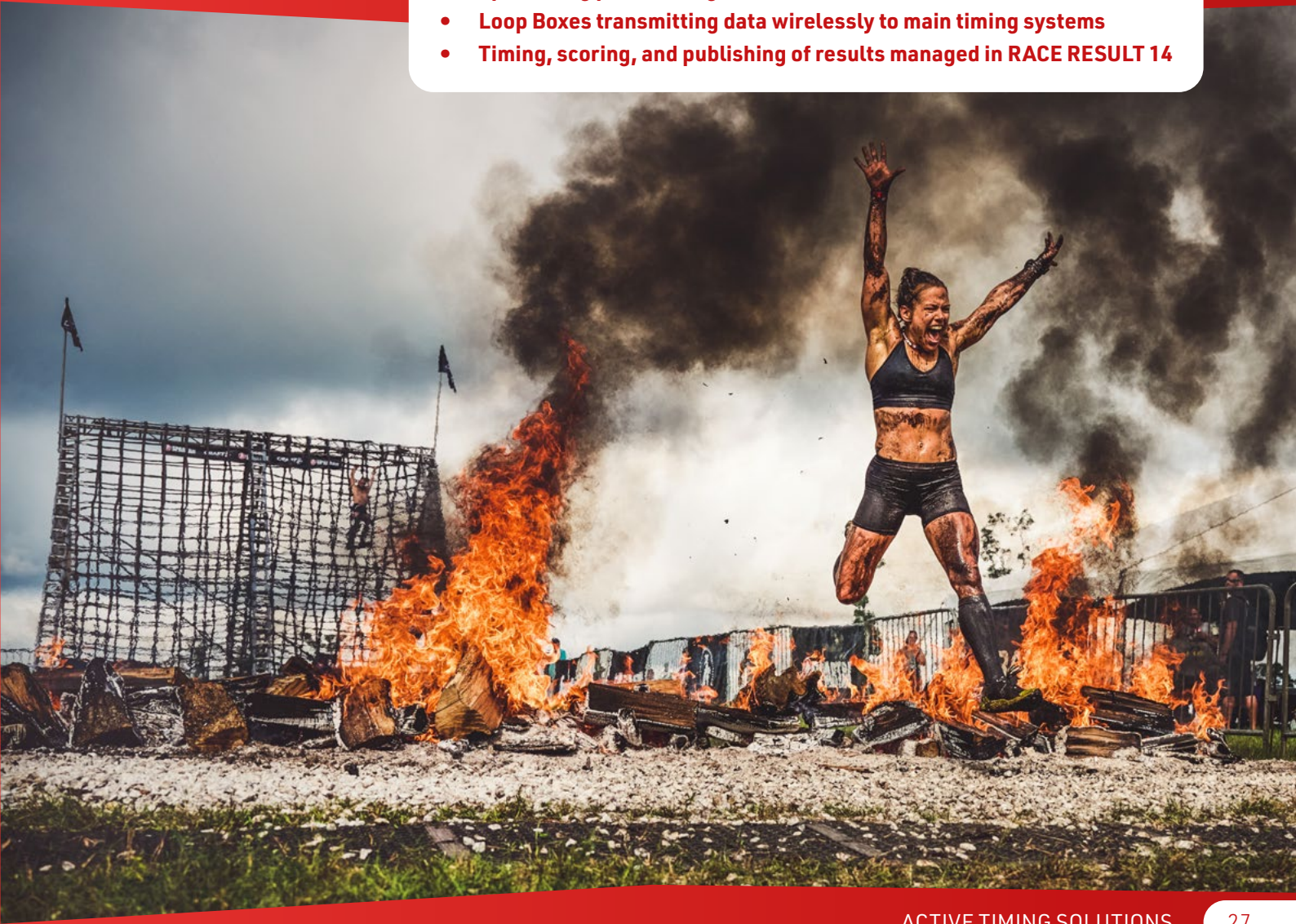


Spartan, the world's leading endurance sports and extreme wellness brand, uses RACE RESULT's timing technology at its events. At all 250 Spartan races across 40 countries, RACE RESULT active systems and transponders ensure reliable data processing and uncomplicated handling of timing equipment. The timing 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 laps.
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



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



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





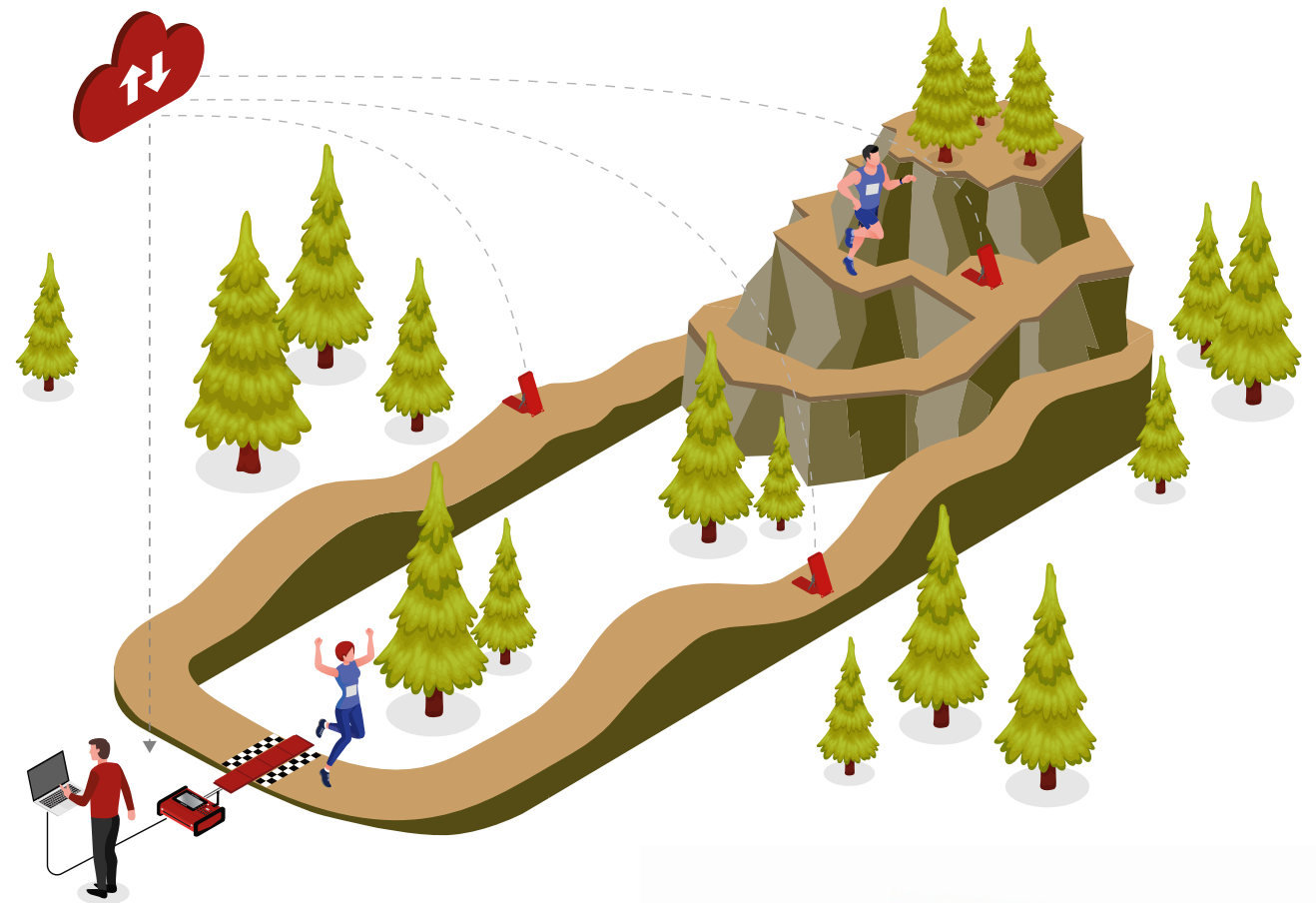
Track Box Passive

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.



MORE INFO

- 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.





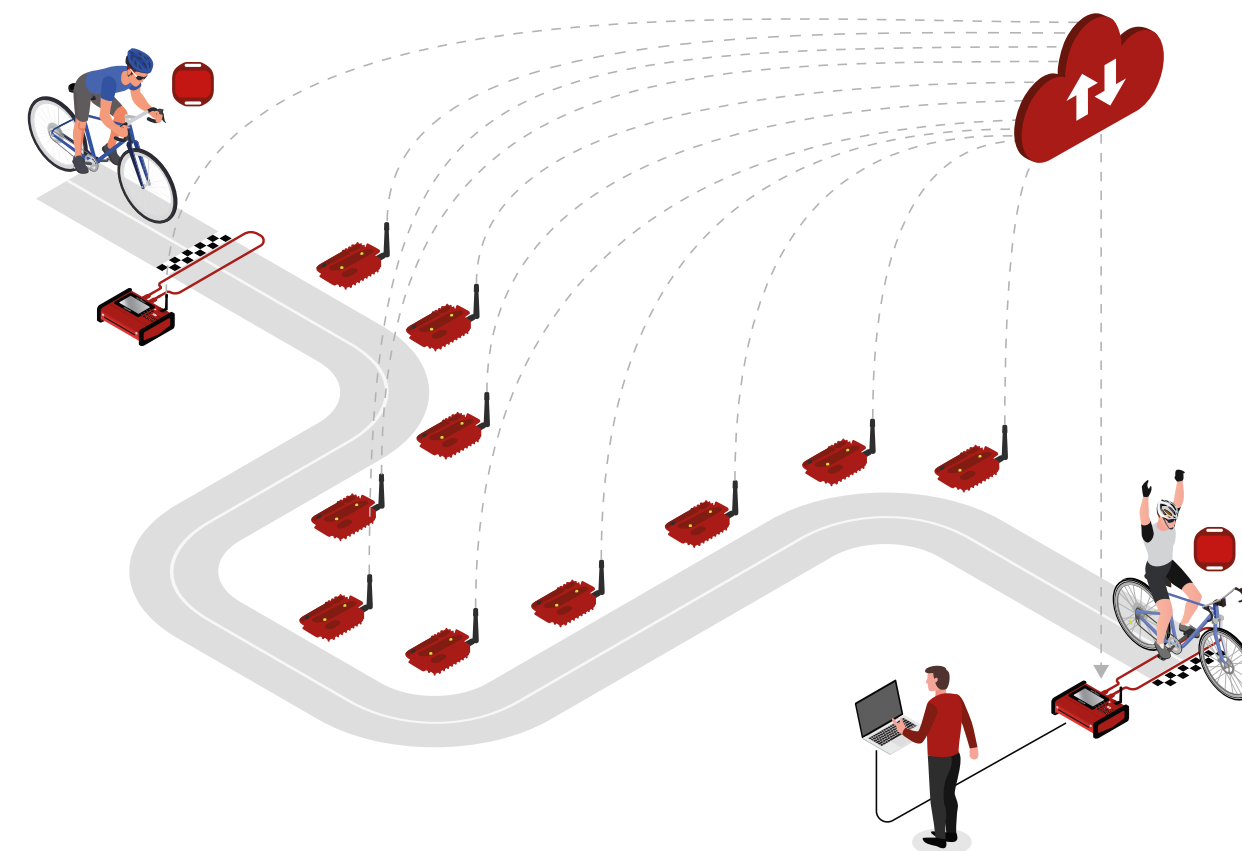
Track Box Active

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.



MORE INFO

- 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.

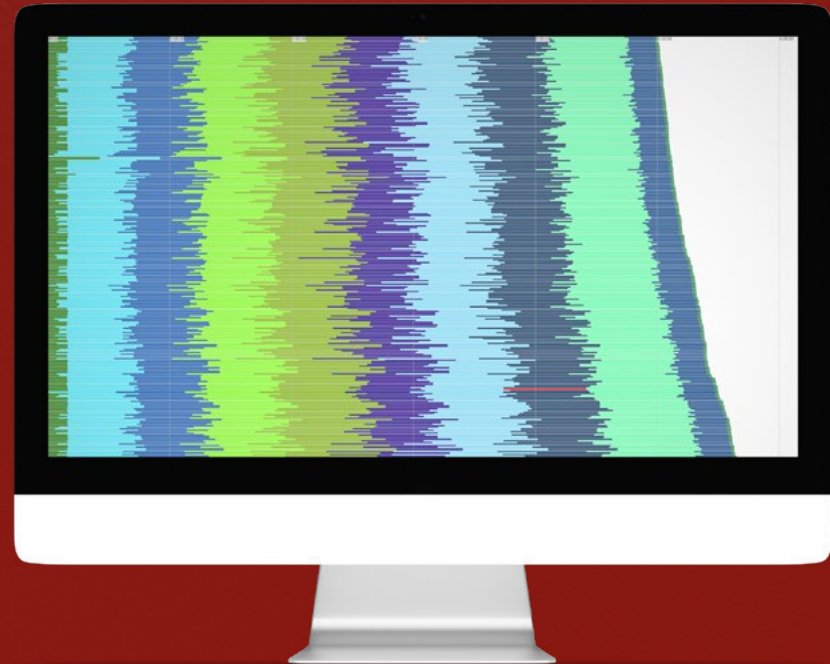


RACE RESULT 14

Software

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

All event settings come together in one place: participant management, registration setup, payment processing, timing, scoring and results, all within a single browser tab. Everything you set up here can go live on my.raceresult.com, appear on your own website or be passed on to other platforms.



Visit our website to learn more about the software features and explore some output examples:



Flexible Online Registration

Create registration forms in minutes and customize every detail, from price tiers and add-ons to team registration and vouchers. Publish them on my.raceresult.com or embed them into your own website. Collect entry fees with our payment processing or connect your own payment provider.

Timing Systems at a Glance

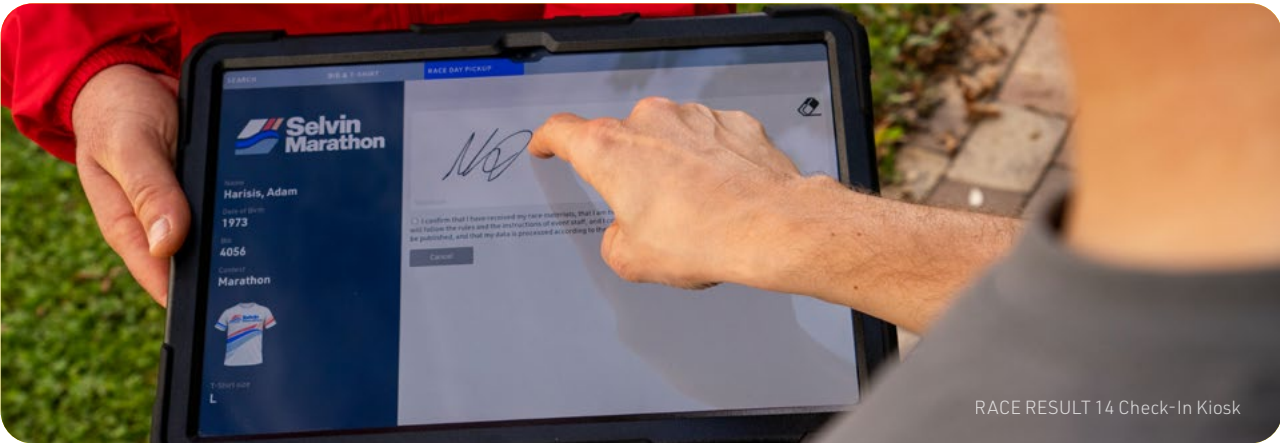
All timing systems of your event, from Ubidium to Track Boxes, appear on a map in RACE RESULT 14. Assign them to timing points, check connection quality and battery status, and adjust settings remotely. All detections arrive live in the software.

Participant Management

Adapt the database to your event: add any fields you need, from shirt sizes to club licenses, and set up your own calculations. Participants can update their own details online, and on site, check-in kiosks let helpers view and update participant data.

Scoring for Any Format

Set up timing points and time limits with the Splits tool and check everything with the integrated race simulation. Any ranking or evaluation is possible, from age groups and team scores to cup series and stage races. If you can imagine a format, you can time it.



Online and Offline

Work online with full flexibility: access your event from anywhere and collaborate with colleagues on the same file. Or work offline with full independence: download the software and event file and keep going even without internet. Changes sync automatically once you're back online.

Results Presentation and Announcer

Big screens, LED walls, results terminals and the announcer view all run on the same live data in RACE RESULT 14, directly from your browser tab. Your speaker gets live information on every athlete approaching the finish line. No extra tools, no copying data.

Communication and Data Exchange

Send emails and SMS to participants before, during and after the event, from confirmations to newsletters. APIs, webhooks and exporters share exactly the data you choose with third-party solutions, in real time.

Lists, Reports and Certificates

Create lists for anything you need, from monitoring lists to reports in a specific format. Design your own certificates and make them available to participants right after the finish.

my.raceresult.com

Event Platform

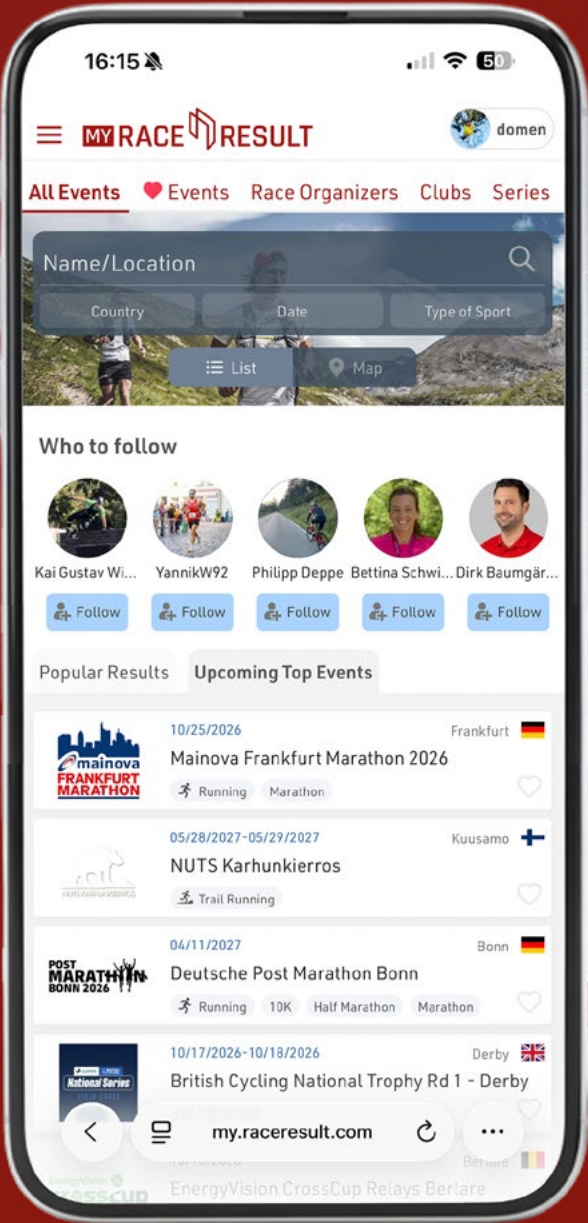
Go where your participants already are.

my.raceresult.com is where participants register for your event and where results are published live as the race unfolds. Building on this foundation, it is evolving into a social network for sports events, free for athletes and free of advertising. For organizers and timers, this means more visibility, a better presentation and more participants.

31,000
events*

35 sports
on one platform*

14.7 M
athlete results published*



Registration in a Few Clicks

Participants sign up in just a few clicks on any device, with extras like shirts or medal engravings and seamless payment built in. Servers built for peak traffic keep even the biggest races running smoothly from the moment registration opens.

Friends Bring Friends

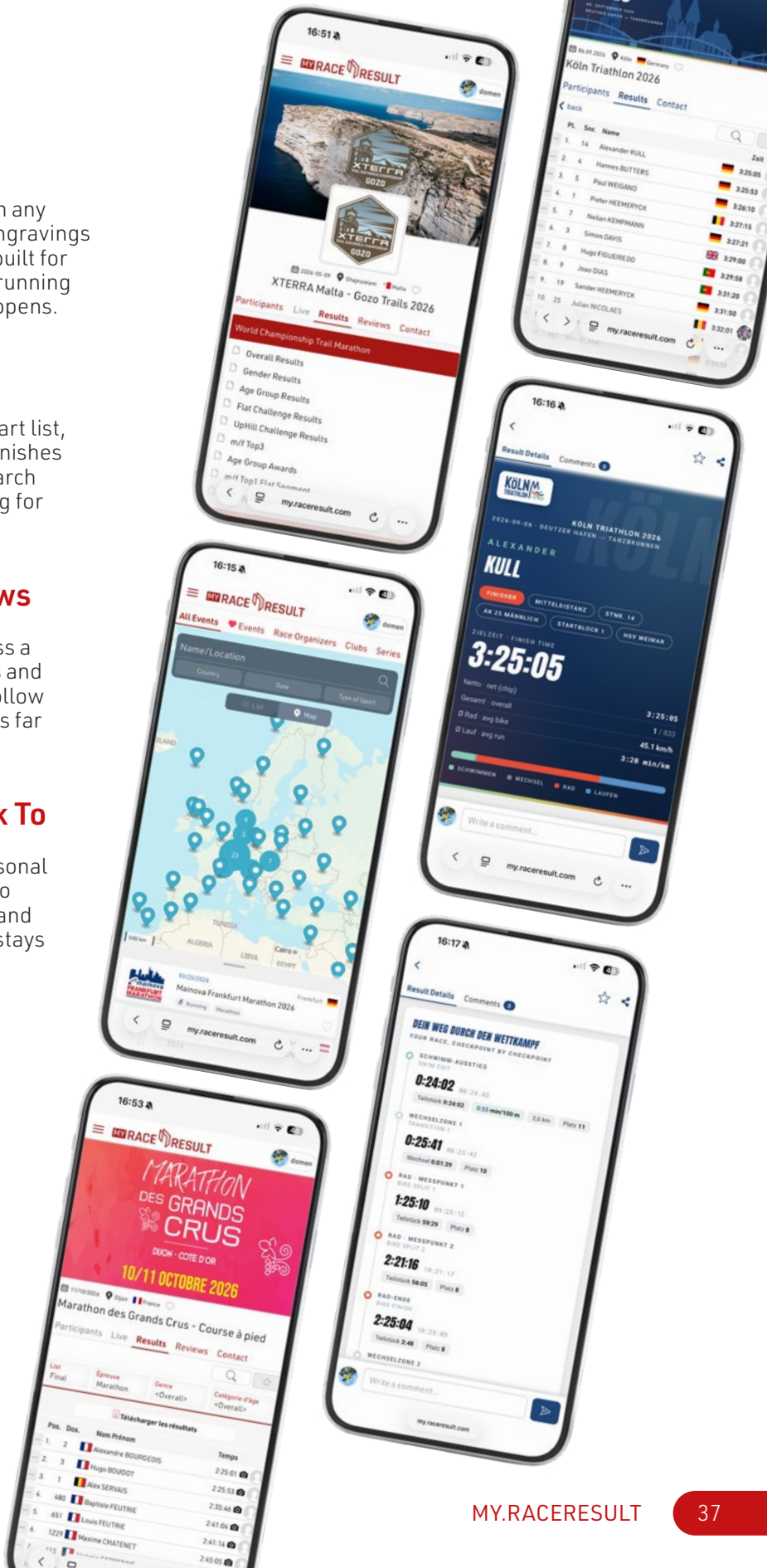
Athletes see which friends are on your start list, and they sign up too. Registrations and finishes appear in their friends' timelines, and search filters bring your event to athletes looking for their next race.

Live Results Everyone Follows

Results appear the moment athletes cross a timing point, with split times, predictions and a live tracking map. Friends and family follow along in real time, and your event reaches far beyond the course.

A Profile Worth Coming Back To

Every race lands in the athlete's free personal profile. Athletes return between events to check their stats, follow friends and like and comment on their results, so your event stays visible long after race day.



* Figures from October 2025 to October 2026



Who are we?

As a 100 % employee-owned company, independent of investors, we can focus entirely on what our customers need. Our success is built on close collaboration with event organizers and timing professionals, and their feedback shapes every product we develop.

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.

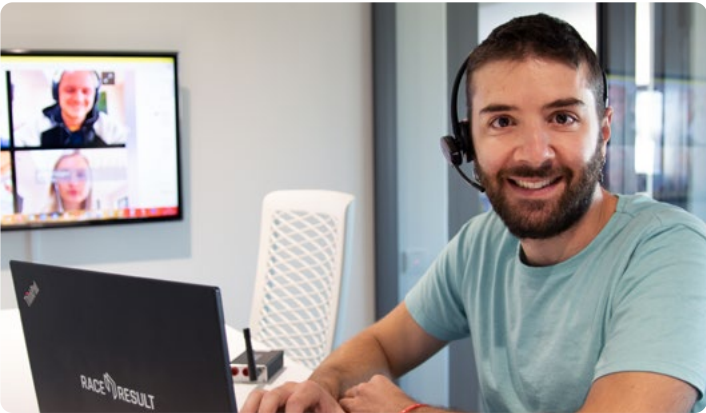
SUSTAINABLE

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



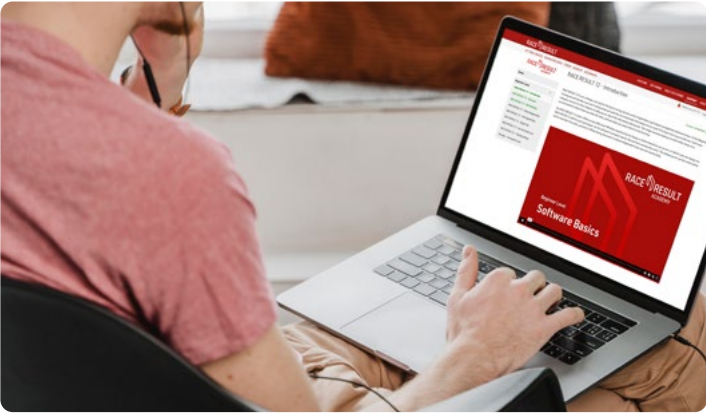
Customer Success

Whenever you need help with timing, our team is there for you, supported by a worldwide network of offices and distributors.



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!



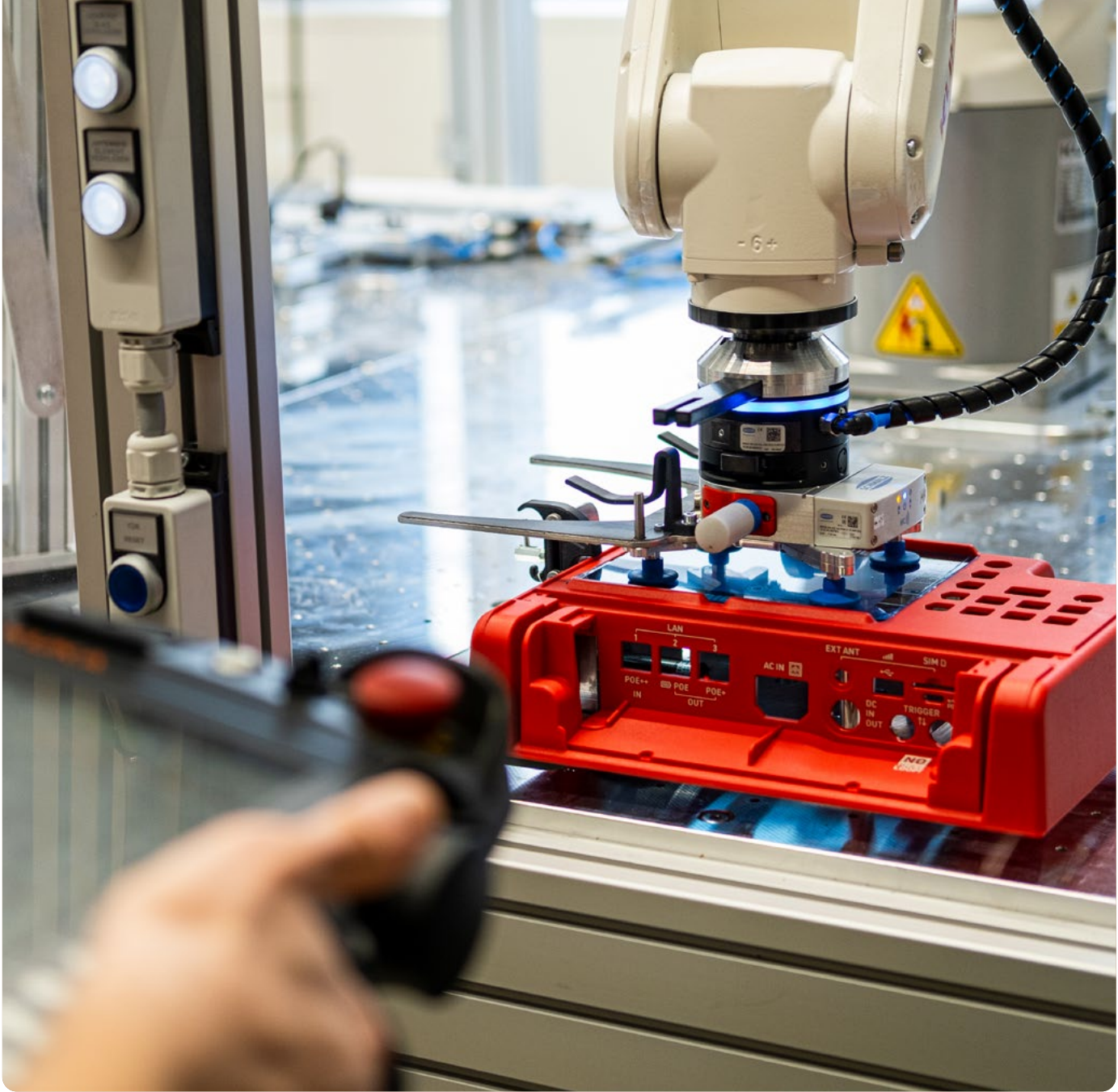
Online

The Knowledge Base 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.



Development & Production

At our company headquarters in Pfinztal in southern Germany, all departments collaborate closely. Over the years, we have brought more and more work steps in-house to enhance the efficiency of our processes, and every product undergoes rigorous quality checks before shipment.

Printing

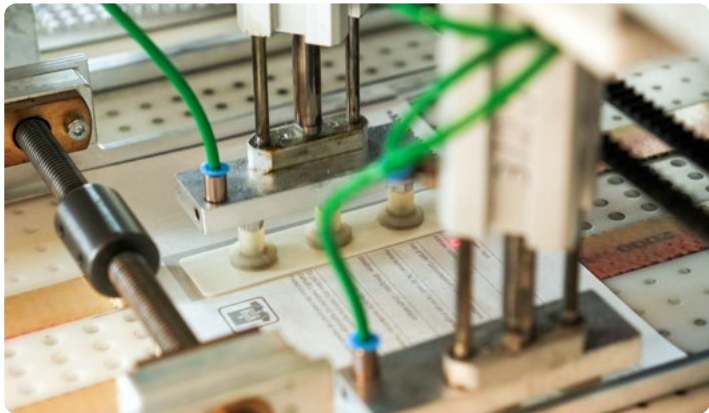
Each year, we print over 12 million customized race bibs in-house for events around the globe. We print exclusively on Tyvek®, the premium material for race

bibs: tearproof, water-resistant and comfortable to wear. Our service stands for tailored solutions, fast turnaround times and consistent quality.



High-Quality Race Bibs

Up to 100,000 bibs per day, each with an individual full-color design and personalization, printed in digital offset.



Transponder Service

Our machines attach the passive transponder to the back of each bib and program it, with a capacity of up to 60,000 bibs per day. Delivered ready to hand out, so your volunteers can focus on other tasks.



Transponder Printing

If you order transponders on a roll, we 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

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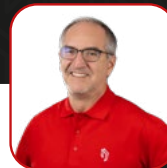
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