

RACE  RESULT
Precision · Passion · German Engineering



2024

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12,000
events per year

6,000,000
athletes per year

85+
countries

8 offices
around the world



Race timing with the leaders

Welcome to RACE RESULT, where our team sets the new global standards for sports timing. I am thrilled to personally extend my warmest greetings to you as you embark on this journey through our product portfolio.

With RACE RESULT technology, you will take event timing to a new level. Our customers are able to streamline their processes, offer additional services and, finally, make their events an unforgettable experience for all athletes.

This brochure will help you to experience the advantages of our timing technology, which is successfully used at tens of thousands of sporting events every year.

We would be delighted to welcome you to our global customer network. For any questions, please do not hesitate to contact our sales & support team!

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.

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 even the biggest running events. Robust design for MTB, gravel and more.

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 12 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

How our slogan "Precision. Passion. German Engineering" influences our customer relationships.



UBIDIUM

Next Generation Timing Solution

Ubidium is our new 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. No more required extensions. 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 allow to power third party devices and Ubidium itself. Internal and external SIMs allow for data transmission backup and, if necessary, 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, ensuring 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.



Ubidium Foldable Ground Antenna

The UHF floor mat is a standalone extension to Ubidium. It is powered by the system and sends detection data directly into the system. Each mat segment holds its own UHF antenna and reader.

Available from 2024.



MORE INFO

Plug and Go

The mat connects directly to Ubidium with a single connector. No additional device is required. For reliability, two independent, robust cables lead to the first antenna segment and form two separate strings throughout the whole mat.

Improved Shaping, Less Weight

The new design gives the mat an even better profile on the road and flatter edges allow for a more comfortable ride. At 77 cm, the segments are longer than before, in the standard 4.6 meter configuration (6 segments), the mat weight is just 21 kg / 46.3 lbs, 20% less than our previous ground antenna.

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 mat at any time using the inner storage channel. The mat can be extended/shortened by pairs of two segments, resulting in widths of 1.5m (with 2 segments) up to 23m (with 30 segments).

Interweaving Connection

Every reader element is connected to the reader 2 mats earlier, creating two 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.

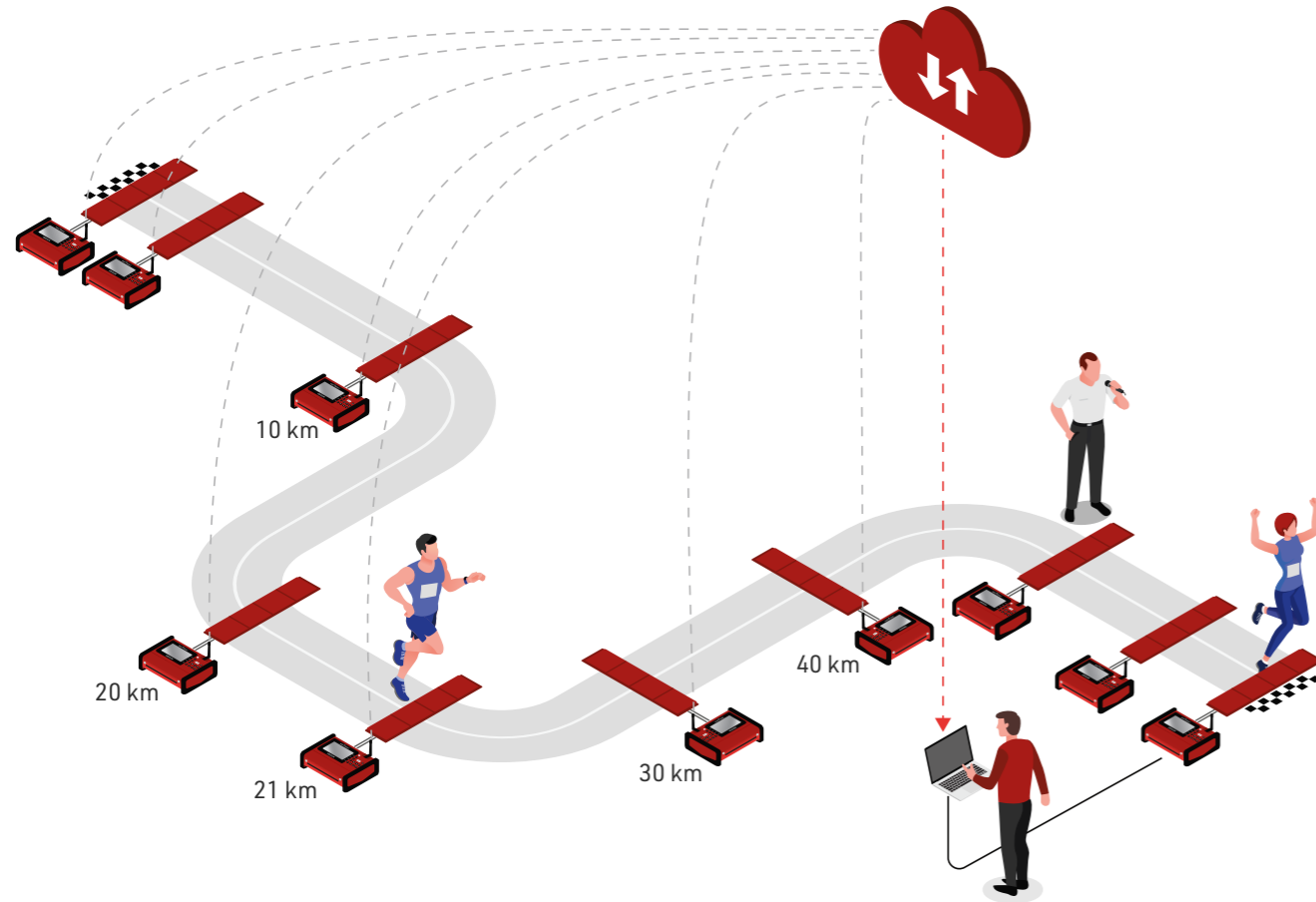


Passive Timing Solutions

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

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.

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.

Honolulu Marathon

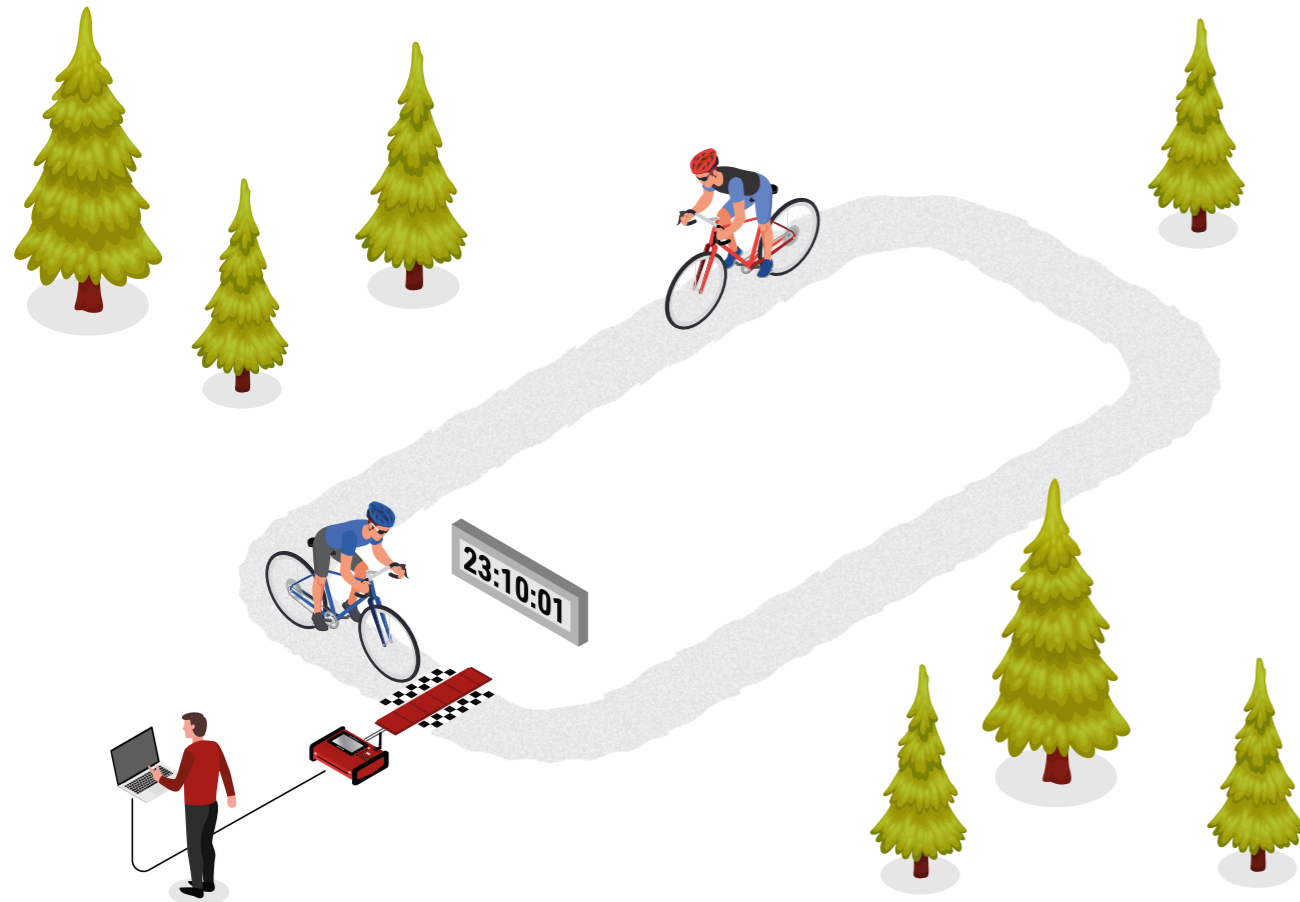
The fifth largest marathon in the United States is an absolute bucket list race - not only because of the fireworks at the starting gun at night, but also because of the breathtaking scenery and the Hawaiian lifestyle on and off the course. The race has been timed with RACE RESULT technology since 2019 by our client Pacific Sport Events and Timing in collaboration with Sportstats, the largest timing company in North America.

FACTS

- **27,000 participants in 2022**
- **Tyvek® bibs with one passive transponder on the back**
- **30 timing systems plus Track Boxes deployed at start, finish and split points**
- **live timing data from each split**



How to time a gravel race



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 at the bike plate, participants only need to fix their plate at the handlebar. No additional transponder to wear.

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 12 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 newly created UCI World Gravel Series. Timed by our customer Idle Timing.

FACTS

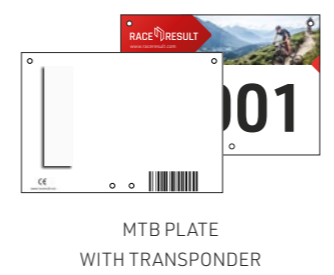
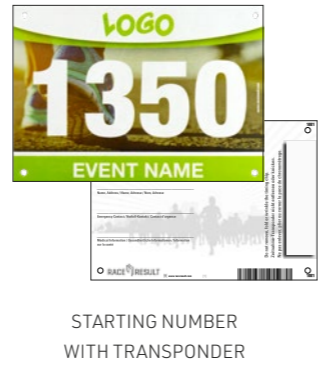
- 1,000 participants
- Handlebar Plates with Passive Transponder attached
- Decoder + Passive Ground Antenna for start & finish
- Track Box Passive for checkpoints
- RACE RESULT 12 software



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 roll or already attached to a personalized bib. In addition, we offer bib and transponder solutions for triathlon and cycling.



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.

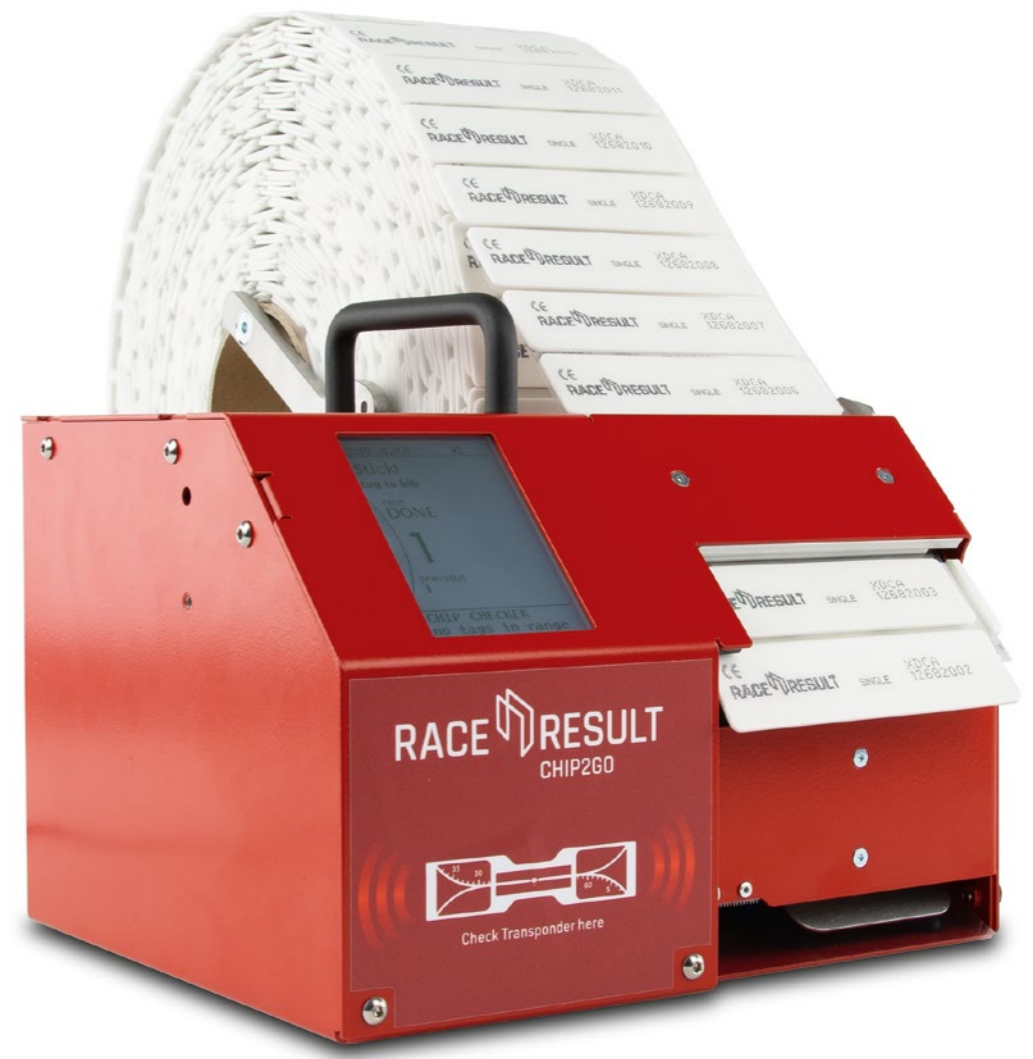


Chip2Go

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, for 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





MORE INFO

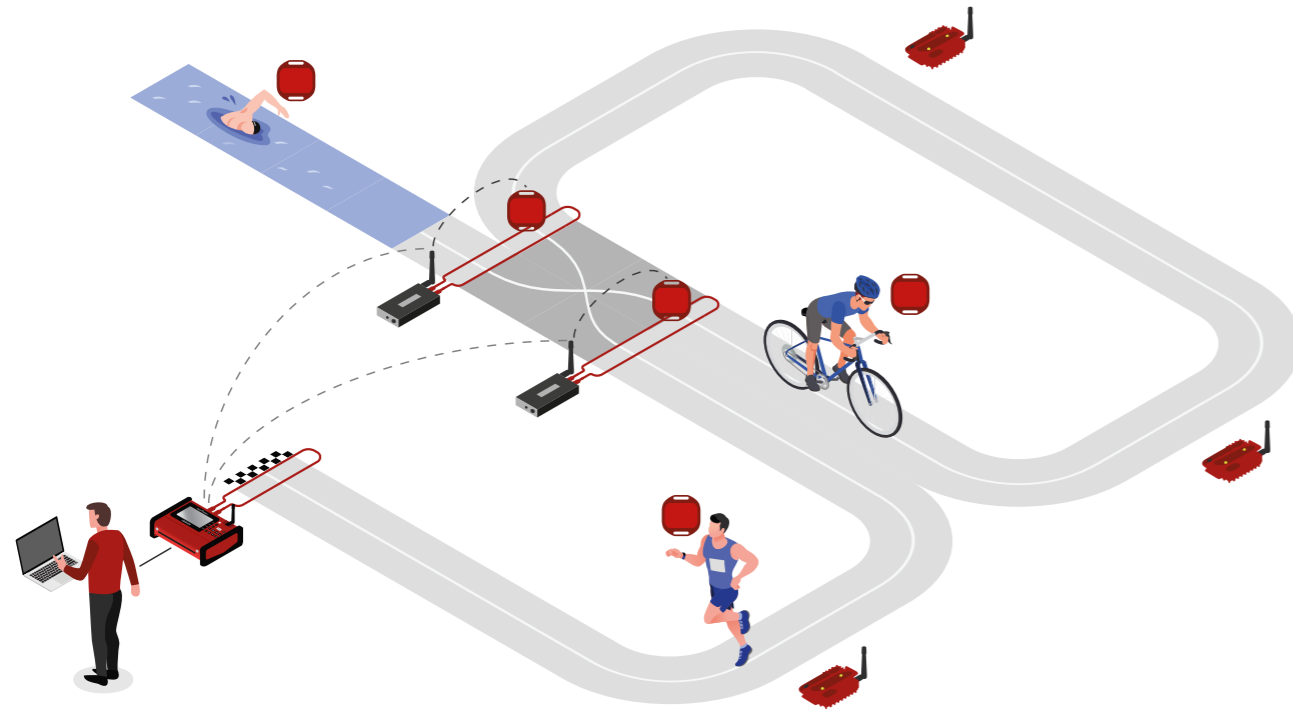
Active Timing Solutions

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

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
- 30 m loop length

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

World Triathlon Championship Series Abu Dhabi

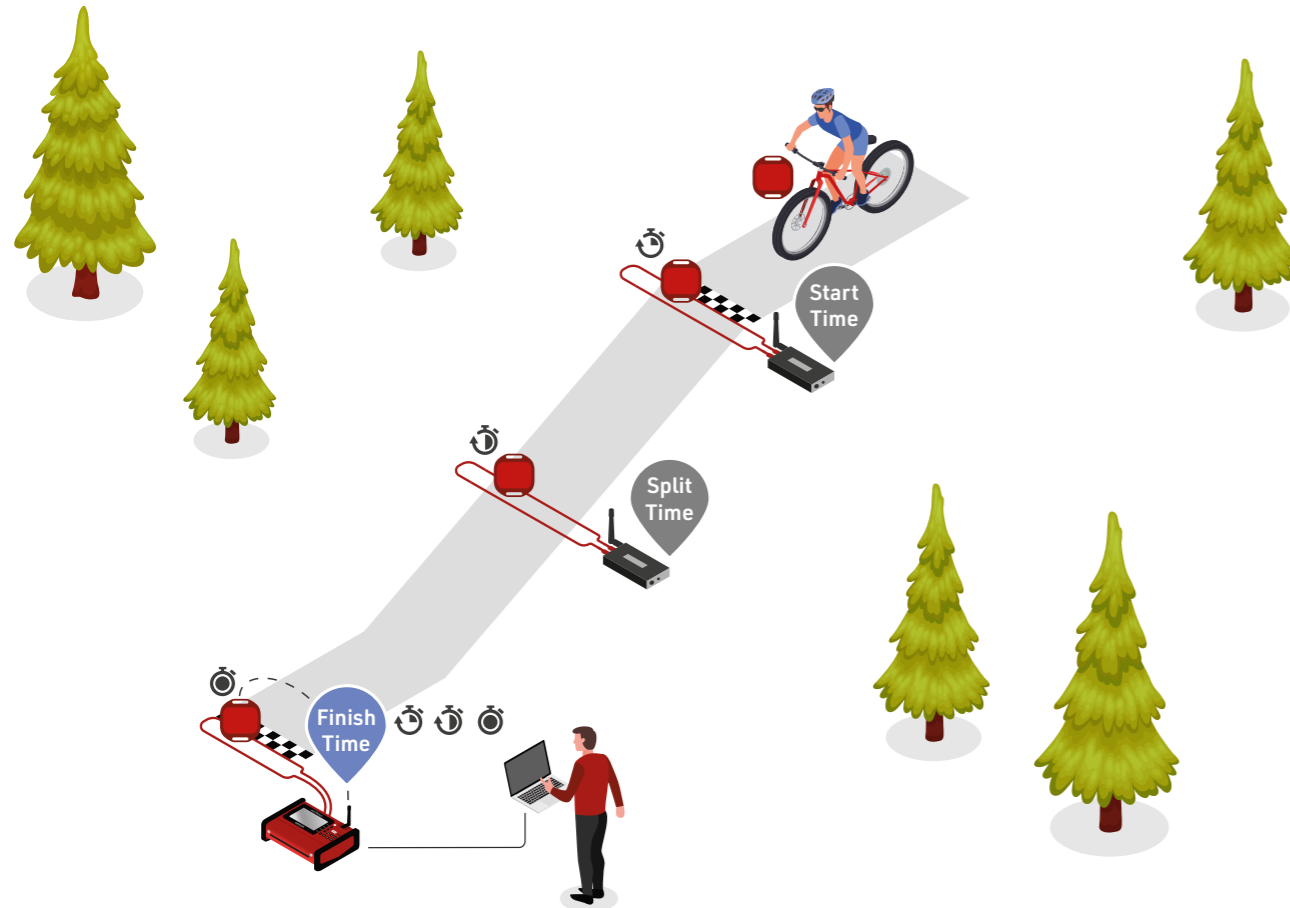
The best triathletes in the world lined up to start the race season in Abu Dhabi. In addition to the elite race, hundreds of age group athletes from around the world compete each year at the same weekend. The timing companies in charge of the biggest triathlon competition in the Middle East are Gulf Multi Sport (age group races) and Sportsplits (elite races). They both rely on the complete solution from RACE RESULT for timing, scoring and registration.

FACTS

- 1,000 athletes
- ActivePro transponders worn around the ankle
- Active timing solution incl. Loop Boxes for timing
- 10 x Track Box Active for bike splits
- RACE RESULT for registration, timing and live results



How to time a MTB downhill race



With its accuracy of 0.004 s at speeds up to 150 km/h, the active solution is ideal for high-speed races, where a blink of an eye can decide between victory and defeat. Loop Boxes make collecting split times and installing speed traps easy.

Every rider has an ActivePro V3 Transponder mounted to the bike fork using zip ties. Before the race, you deploy Loop Boxes with timing loops along the course and at the start line. With their integrated battery, they work autonomously. Once the rider crosses those timing points, the times are stored on the transponder. At the finish line, the loop is plugged into Ubidium. Here, all collected times are transferred to the timing system and forwarded to the software. The finish result and all sector times are now instantly and automatically calculated and published.

British National Downhill Series

A series of five race weekends a year, on which various competitions and training sessions are held. All events are timed by our client Action Sports Timing since 2016. Several Loop Boxes in Store Mode are used along the track to collect split times and max. speed. The transponders save all times and transmit them to the timing system at the finish.

All results are live available on my.raceresult.com.

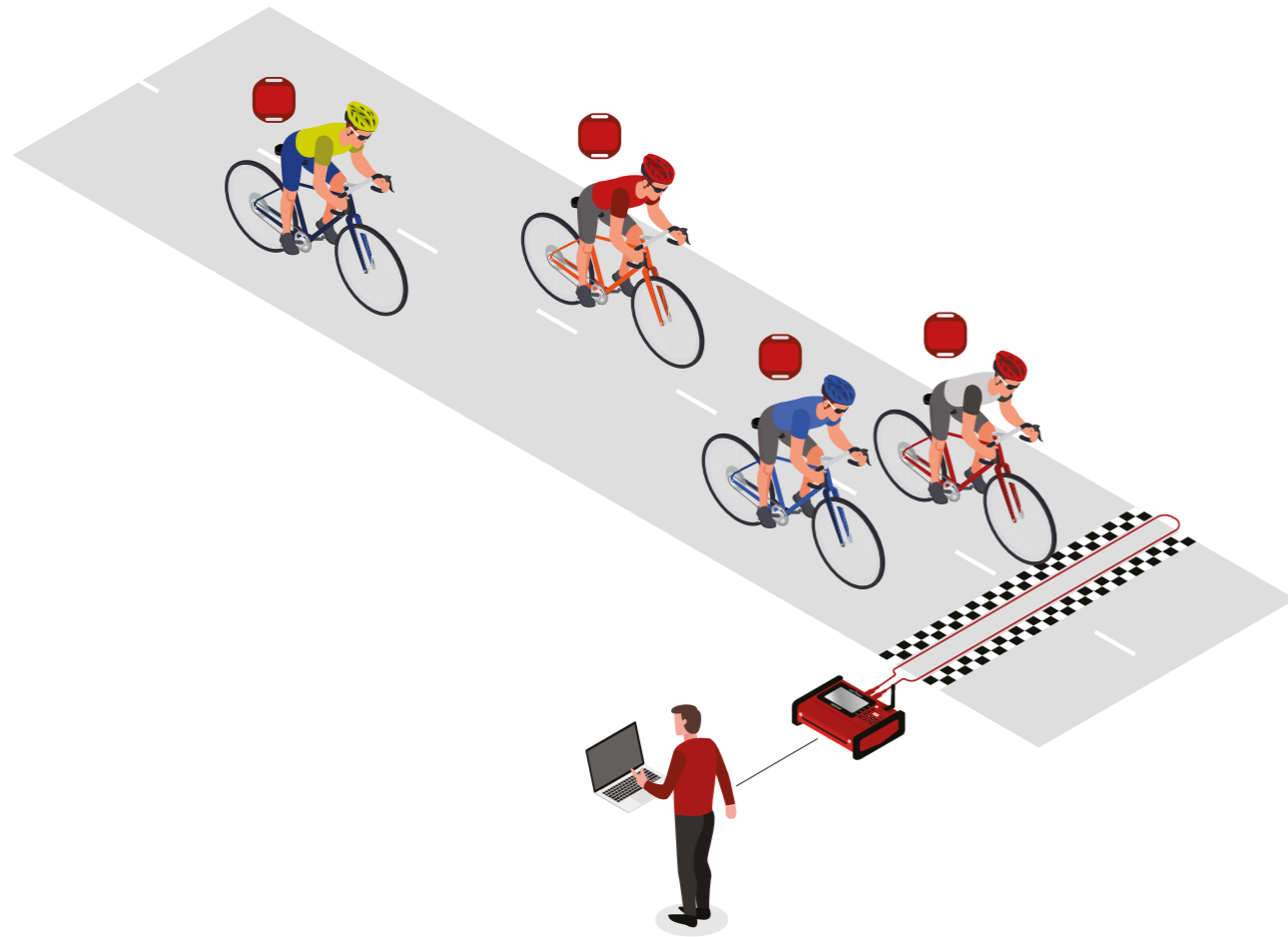
FACTS

- ActivePro transponder attached to bike fork
- Loop Boxes along the course
- Main timing system at the finish line
- Scoring & results with RACE RESULT 12



© NICK BENTLEY

How to time a road cycling race



Even short time intervals in sprint finish situations are reliably timed with the Active Pro V3 transponders. Ubidium can detect the times of up to 100 active transponders per second.

Before the race, ActivePro V3 transponders are attached to the bike forks. A wire loop is taped on the street and plugged into the Ubidium timing system. Once the transponder crosses the loop, it is activated and sends its time via 2.4 GHz to the timing system. Ubidium forwards all detections in real time to the RACE RESULT 12 timing software via mobile network, Wi-Fi, USB or LAN.

Tour Down Under

Tour Down Under is the first race in the UCI World Tour calendar. Established in 1999, Tour Down Under consists of six stages in and around Adelaide, South Australia.

Since 2015, the ActivePro transponders have been deployed to support the photofinish system and feed live results to the commentators. Men's and women's races are timed by our partner Event Timing (Melbourne).

FACTS

- ActivePro attached to the bike fork
- Active timing solution incl. Loop Boxes for finish line and splits
- RACE RESULT 12 software for scoring and results presentation



RACE RESULT Active V3 Transponders

Active V3 is our third transponder generation and took 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.



MORE INFO

	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 < 0.5m. 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



MORE INFO



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.



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 1.7kg/3.7lbs, 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.

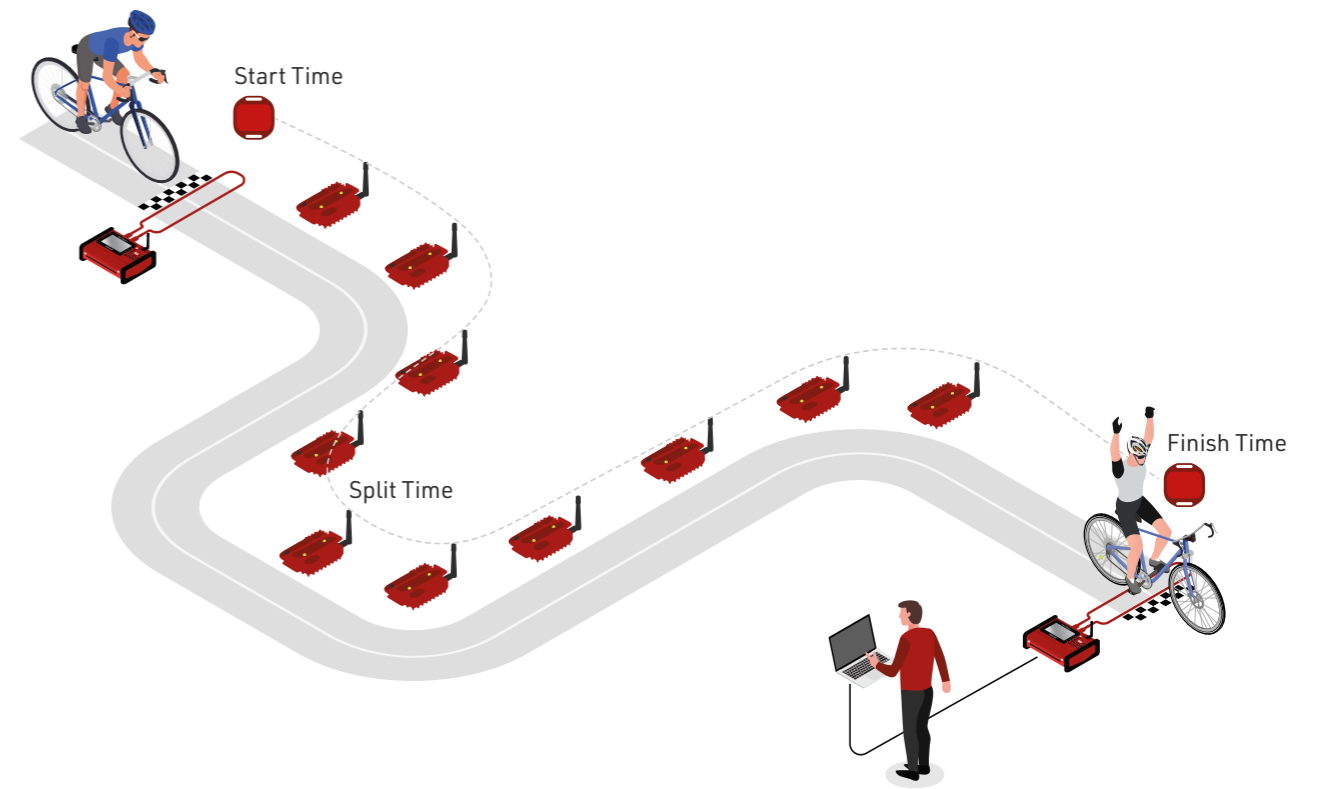




Track Box Active

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 50m. 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 12

Software

RACE RESULT 12 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 12, 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 different output options and explore some examples:



Showcase Road Race

Last Finishers

Rank	Bib	Name	Gender	Time
Announcer				
42K	31	King, George	M	3:24:21
42K	329	Knox, Gabrielle	F	3:22:16
42K	230	Harold, Shivangi	F	3:22:11
Finish				
42K	329	278 Hewage, Anushka	F	3:22:26
42K	328	173 Koutoulas, Kate	F	3:22:24
42K	327	268 Hunsur, Narelle	F	3:21:48
42K	326	58 Katta, Louisa	F	3:21:32
42K	325	153 Kastes, Luke	M	3:21:28
42K	324	198 Hempel, Jenny	F	3:21:10
42K	323	293 Haskins, Alison	F	3:21:06
42K	322	249 Jones, Grace	F	3:20:54
42K	321	260 Holmes, Sara	F	3:20:44
42K	320	182 Jamieson, Marjorie	F	3:20:07
42K	319	109 Hussain, Nazley	F	3:18:53
42K	318	208 Hannon, Robbie	F	3:18:05
42K	317	175 Huynh, Lisa	F	3:17:42
		h	M	3:17:40
		h	F	3:17:32
			F	3:16:49
			F	3:16:27
			F	3:16:00

Male			
Rank	Bib	Name	Time
Marathon			
1	171	Johnson, Shaochen	1:56:07
2	54	Guy, Daniel	1:56:46
3	332	Jaralla, Domenic	1:56:49
Half Marathon			
1	509	Kemp, Dylan	57:26
2	583	Haddad, Mark	57:44

Female			
Rank	Bib	Name	Time
Marathon			
1	200	Jovic, Pauline	1:54:08
2	76	Knowles, Pavithra	1:55:22
3	52	Hough, Andrea	1:56:37
Half Marathon			
1	563	Kostoglou, Melissa	56:37
2	612	Jolev, Sarah	56:41

Race	Official Time
Marathon	01:26:12
Half Marathon	01:26:12

Registration Data Check Done

Enter Group Registration

* Mandatory Fields

Personal Information

Contest: *

Last Name: *

First Name: *

Gender: *

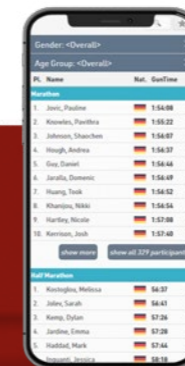
Date of Birth:

Nation: *

Email: *

Club:

Address



SEARCH REVIEW / EDIT SIGNATURE

SHOWCASE

Bib: 123

Contest: Marathon

Post code:

Name: Hayden, Louise

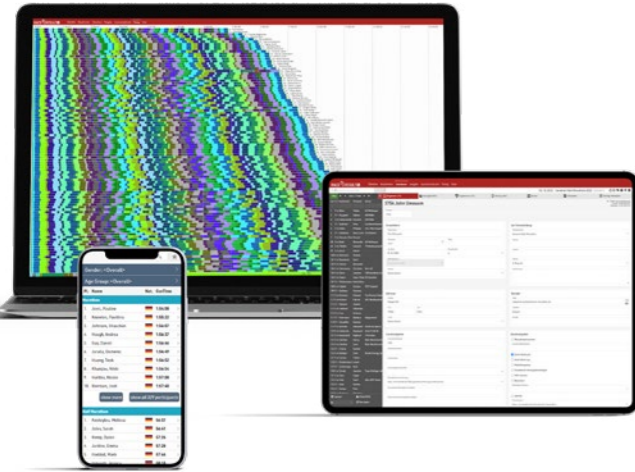
Date of Birth: 01/01/1965

Gender: Female

T-Shirt

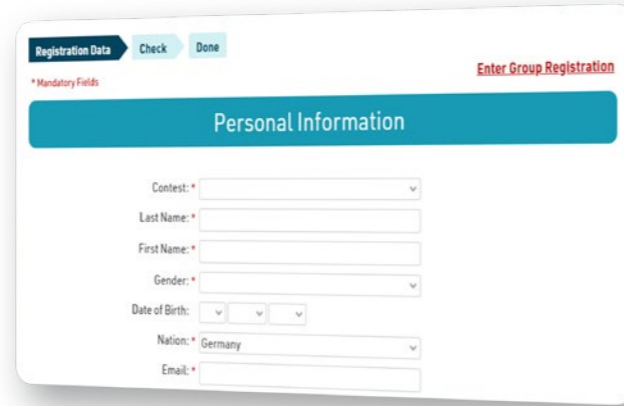
Already collected: No

Cancel Next



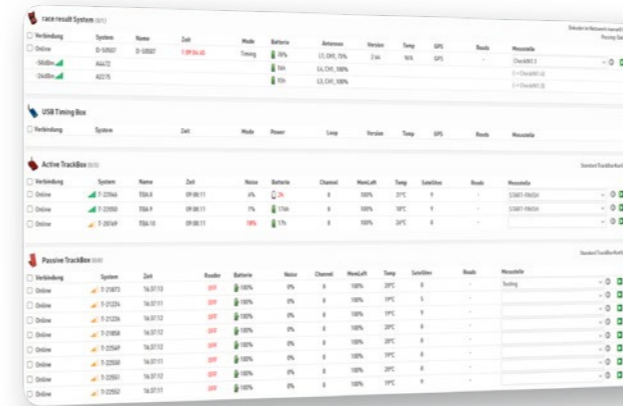
Remote Event Management

RACE RESULT 12 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.



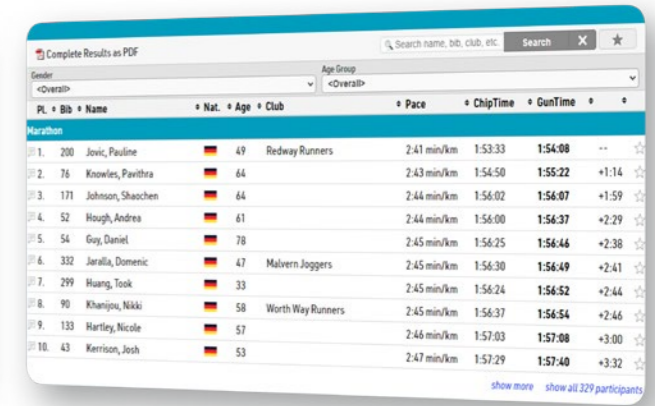
Flexible Online Registration

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.



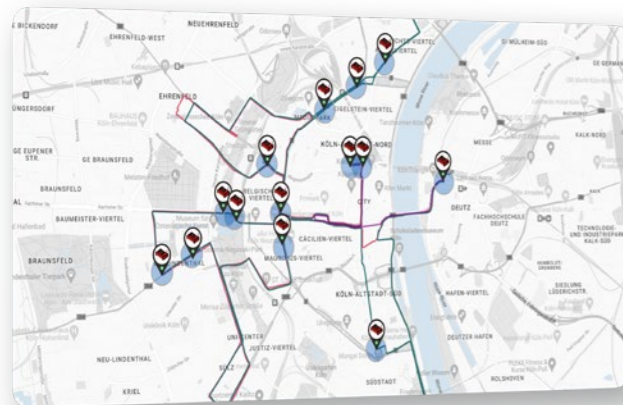
Smooth Event Timing

RACE RESULT 12 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.



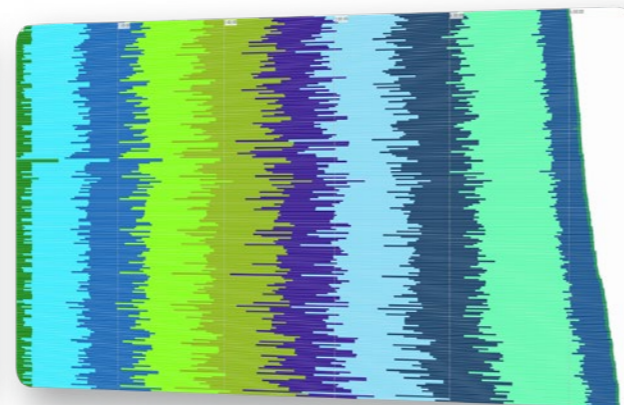
Live Results Online

RACE RESULT 12 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.



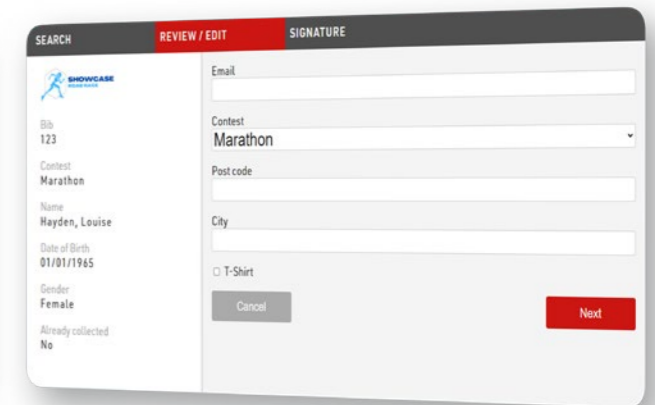
Intuitive Scoring Tools

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 12 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.



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

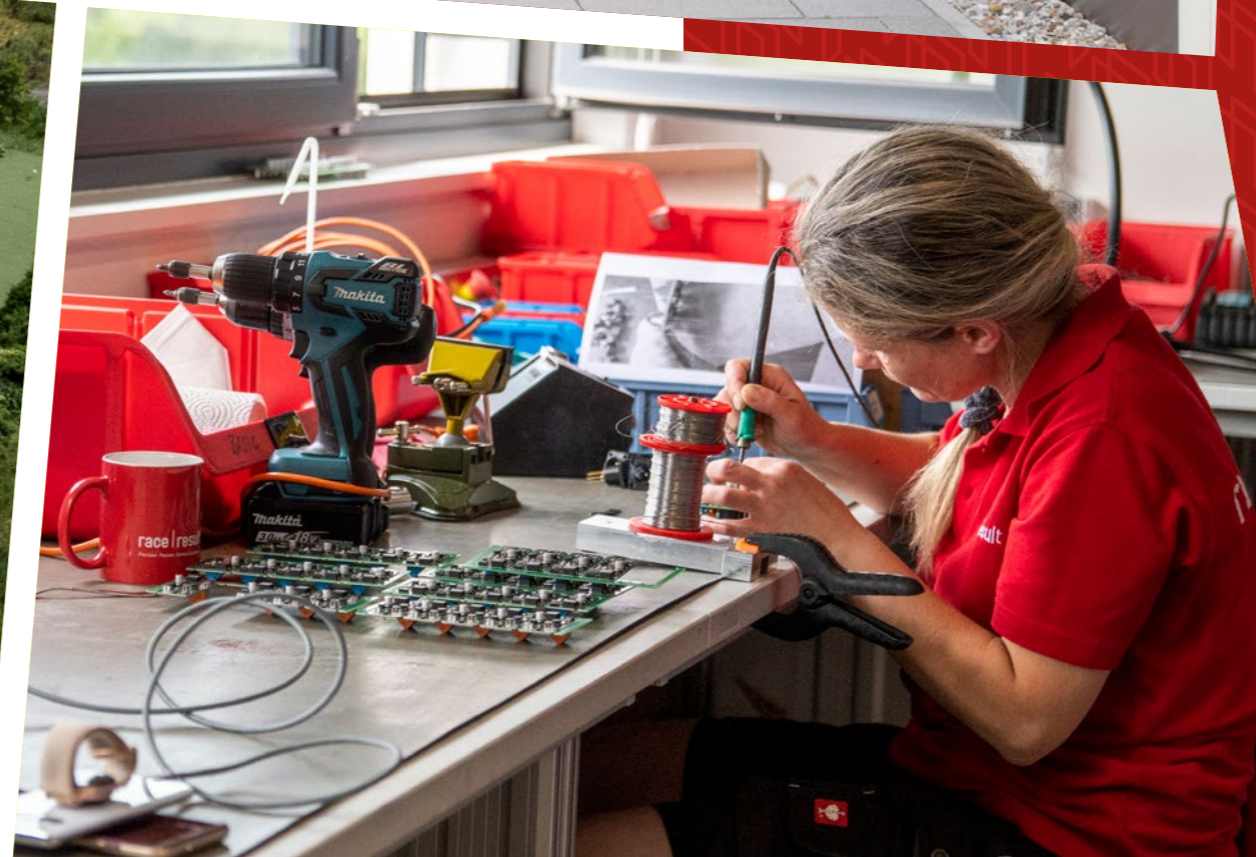
We **think differently**. We listen to our customers and try to make customers' lives better. As a RACE RESULT customer, you can always depend on working with the latest technologies.

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

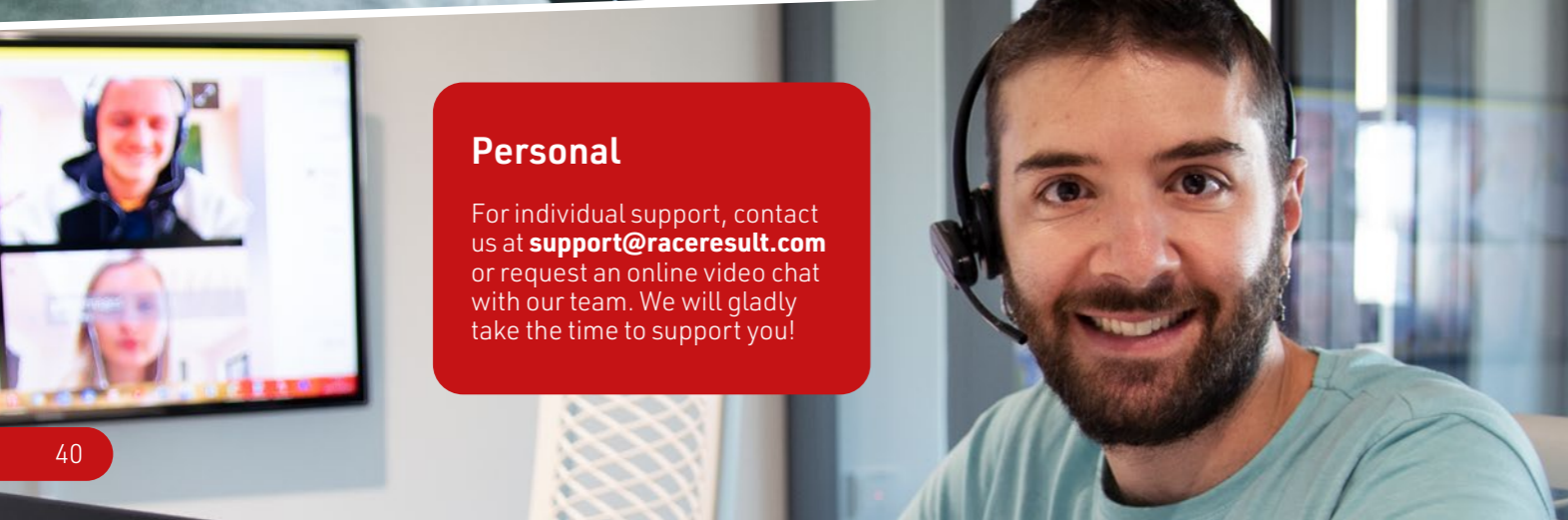
Whenever you need help with timing, our team is available to support you. We have a network of offices and distributors worldwide who also always welcome your inquiries.



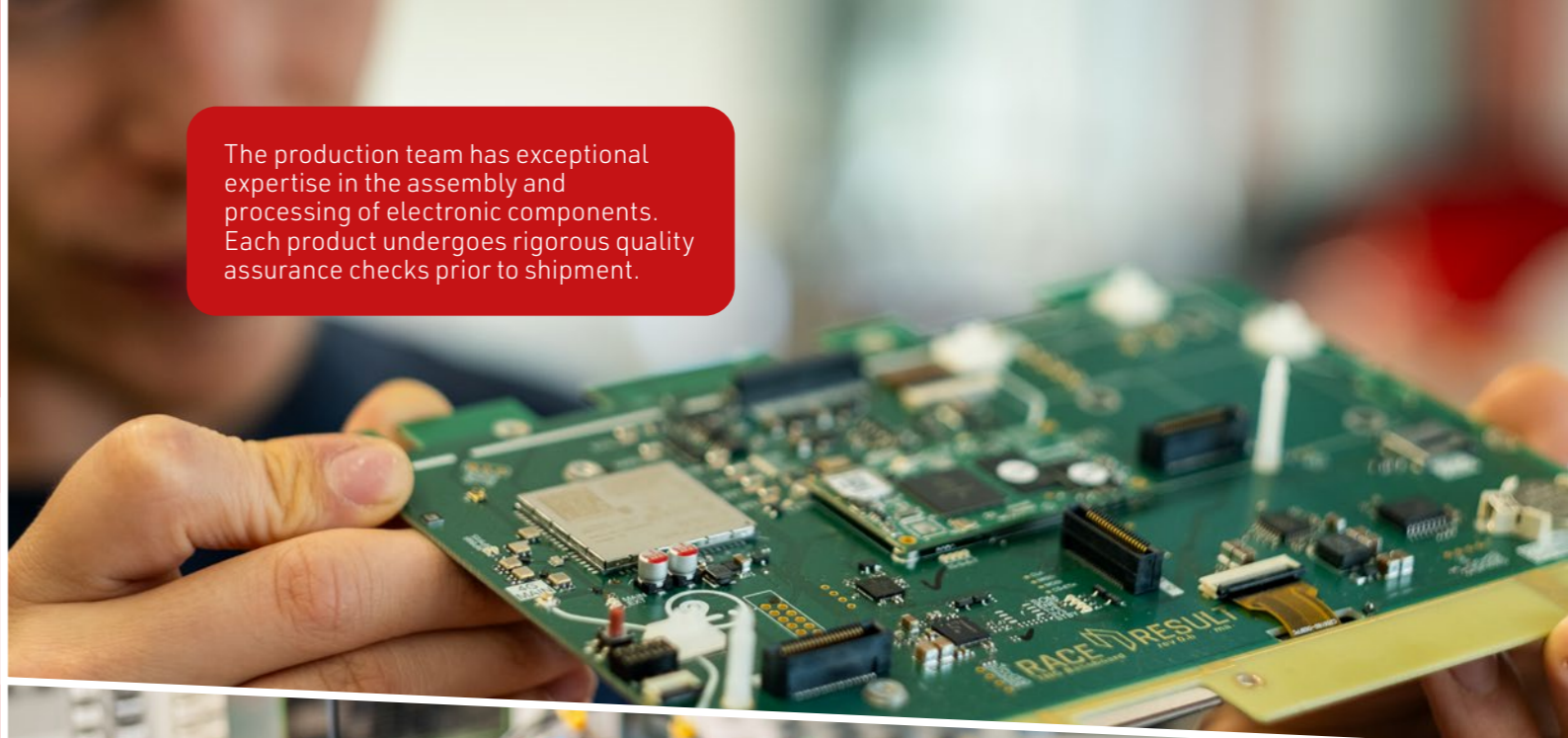
Online
The Knowledgebase on www.raceresult.com includes extensive instructions on how to use both hardware and software. In our Online Training Lessons, you and your team can learn all major features step by step.



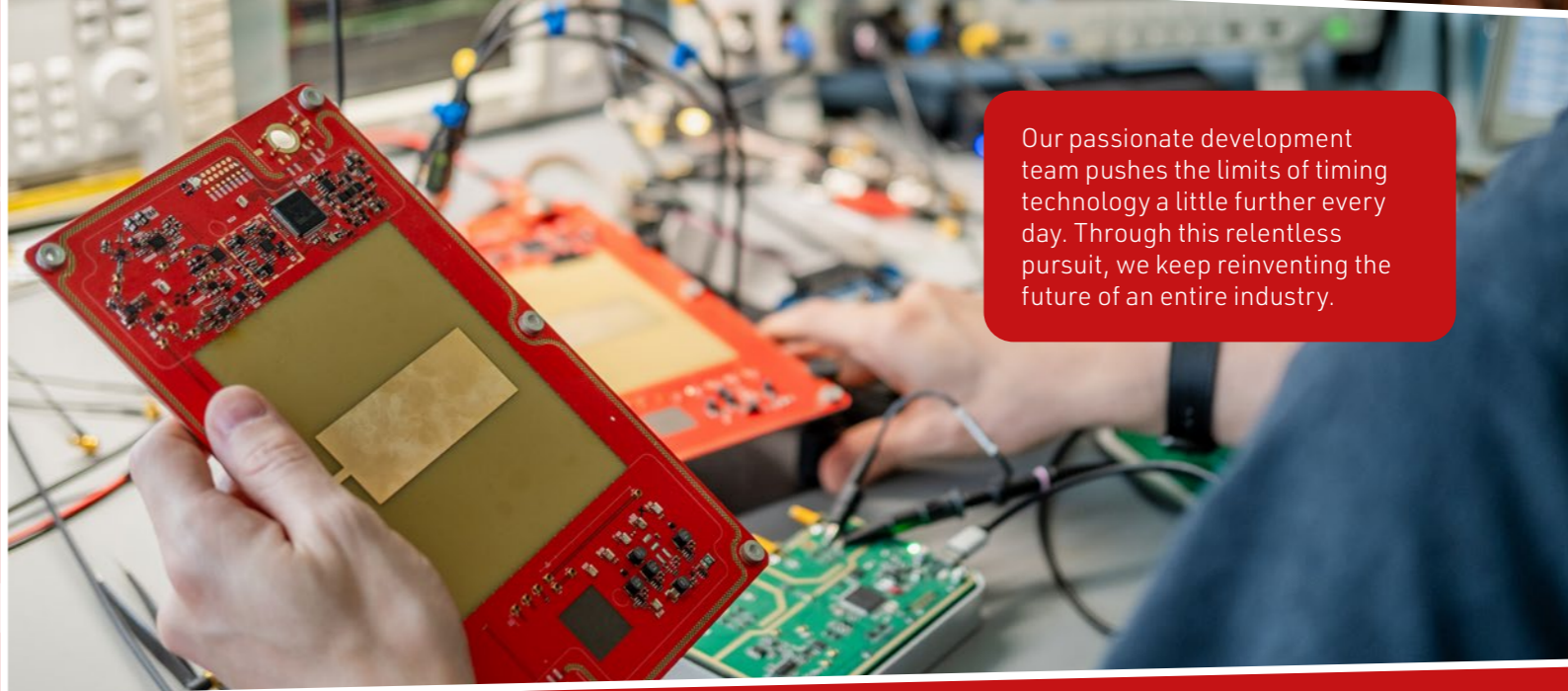
Academy
We regularly organize training sessions and timer conferences at different locations around the world. On request, we can also set up personal and customized training to fit your needs at your location.



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!



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



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.

Development & Production

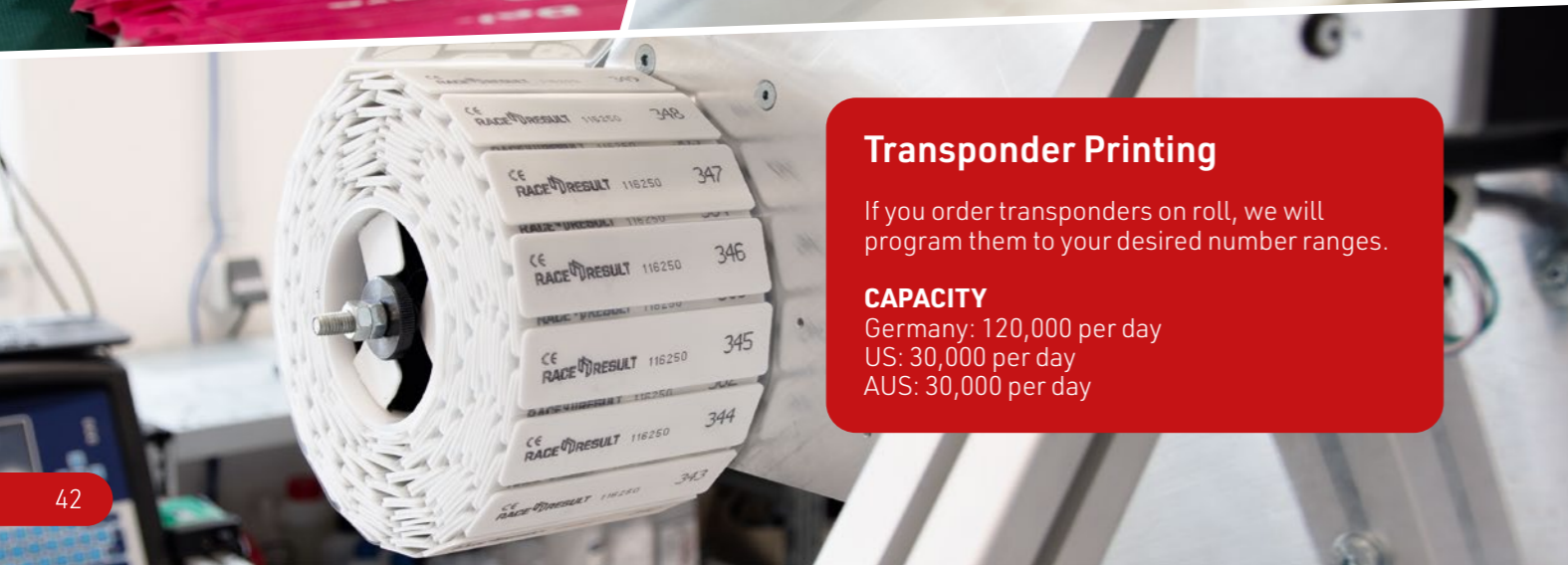
At our company headquarters in Pfinztal in southern Germany, all departments collaborate closely. We have brought more and more work steps in-house over the years to enhance the efficiency of our products and uphold the highest quality standards.

Printing



High-Quality Race Bibs
We produce up to 90,000 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: 30,000 per day
AUS: 30,000 per day

Sample Tyvek Bib Number, A5, full color

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



© Norbert Withe Imt

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HEADQUARTERS

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

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



OFFICES & DISTRIBUTORS



RACE RESULT
Americas

Mark Bockmann
info.usa@raceresult.com



RACE RESULT
ASEAN

Elliot Tabraham-Dowers
asean@raceresult.com



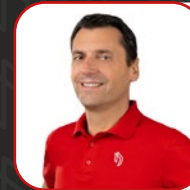
RACE RESULT
Switzerland

Hanno Maier
info@raceresult.ch



RACE RESULT
Slovakia

Jaroslav Štancel
info@raceresult.sk



RACE RESULT
France

Gérald Chalamet
info@raceresult.fr



RACE RESULT
Australia

Aaron Clarke
info@raceresult.com.au



RACE RESULT
Denmark

Ib Stokkebye
ib.stokkebye@raceresult.com



RACE RESULT
UK

David Jones
info@raceresult.co.uk



RACE RESULT
LATAM

José María Ravera
latam@raceresult.com