



THE NEXT GENERATION OF RACE TECHNOLOGY

A START TO FINISH SOLUTION FOR YOUR EVENT.
POWERFUL. EFFICIENT. ACCURATE.



INNOVATIVE
TIMING SYSTEMS®

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Greetings,

I want to personally welcome you and share our story throughout this brochure. Back in 2007, we began a journey that focused on bringing amazing technology to the race industry. Today, we are the world leader in endurance sports timing with over 20 patents issued and more pending. Although technology is important for racing, what's even more important is the quality of training and support you receive after you make a purchase. We have a dedicated team of engineers who are just a phone call away.

In addition, we're fully staffed on Friday night, Saturday and Sunday. When you need guidance or just have a basic question, our team is here to ensure your success. All of this dedication has led us to become the largest timing manufacturer in the world with over 500 locations. Our Jaguar systems are used at over 18,000 events a year and we continue to grow. We hope you'll join our extended family and you are always welcome to reach out to me personally.

Kurt Hansen,
Founder and CEO
Innovative Timing Systems, LLC

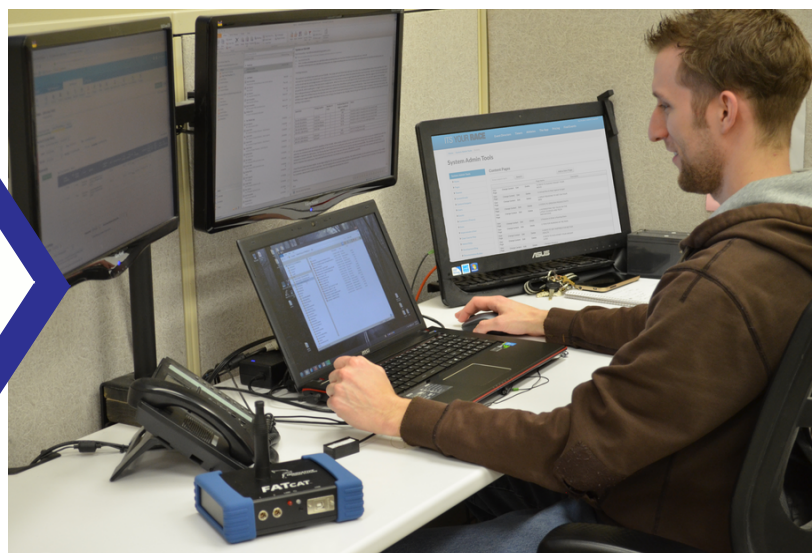


STATE-OF-THE-ART FACILITY

Over the past 10 years, we've built the most advanced R&D and manufacturing facility in the world for race timing systems. Our products are designed, built and tested to the most stringent standards in the world and most of our technology is built within our own factory. This leads to record levels of reliability in our industry.

TOP-NOTCH SUPPORT STAFF

Timing any event can be stressful. Our goal at Innovative Timing Systems is to make sure you never feel overwhelmed with your equipment or online registration. We have a full support staff that is available 364 days a year via phone or email. We're always just a phone call away.



OUR HISTORY OF INNOVATION MILESTONES



Timed first race with Overhead Antennas, ramps and a disposable timing chip on bib.

MAY 2007

ITS releases Side Antenna configuration with 100% chip reads.



First live results, scrolling athlete rankings, and text messages in the endurance industry.

DEC. 2008

Record set for read distance of 80 ft (24.2 m) using disposable passive chip for auto races.

Touch screen Kiosks with live results and rankings unveiled.

MAY 2010

First online registration platform with live results and rankings in real-time.



ITS unveils live video feeds, laser timing, and free App for smartphones with real-time results.



MARCH 2012



First digital race clock with a complete interface to the timing system to show live results.



ITS builds new Network Control Center for live monitoring of systems around the world.

JUNE 2014

First GPS enabled timing systems introduced with synchronized timing to 1/1,000th of a second.



ITS unveils first quad high-speed camera solution for finish line time verification.

AUG. 2015

Jaguar Remote timing software unveiled for Apple Watch and Android phones.



NCAA event uses new Jaguar high-speed camera for scoring.

JAN. 2017

ITS YOUR RACE becomes the largest online sports photo platform with over 45 million pictures of athletes.

ITS YOUR RACE

OUR TIMING SOLUTIONS

100%



JAGUAR PLATINUM XT

The **Jaguar Platinum XT** is our 4th generation timing system. Designed from the ground up by our own engineers, it's built to military standards for reliability and ruggedness, and it's manufactured in our state-of-the-art facilities here in the USA. Unlike other platforms that use off-the-shelf technology, our Platinum XT system is based on an advanced software defined radio (SDR), which allows us to have better read rates, higher sensitivity, reads during inclement weather, less power usage, real-time software updates, and amazing backup.



FEATURES INCLUDE:

- Supports 1 to 4 antennas including all ground, side, and overhead configurations.
- Can be powered over a Gigabit network cable using POE (Power over Ethernet) at a distance of up to 1,000 ft (304.8 m).
- Has triple redundant power supplies and will automatically fail over from POE or wall power to battery.
- Internal battery will power the system for up to 8 hours; up to 24 hours with optional Jaguar Power Pack.
- Has a built-in Gigabit switch with connectors for your laptop, printer, Wi-Fi hotspot, etc.
- High-performance chip reads record times to 1/1,000th of a second.



WHAT OUR CUSTOMERS ARE SAYING:

"We just did a major cycling race with riders going as fast as 30 mph and we had a perfect 100% read rate. Not only that, it was on an open road with trucks and cars going by the entire race. It's incredible that we can time an event that size and get a 100% read rate with a chip that sells for less than a dollar! Amazing!"



100%
read rate!

✓ JAGUAR CUBBY

Jaguar Cubby is a lightweight and portable timing system that's perfect for races up to 300 athletes.

- Low-cost, high-performance system.
- Great for small running events.
- Has a built-in antenna, no ramps or mats needed.
- Can read up to 20 chips/sec.



✓ JAGUAR TOMCAT PRO

Jaguar TomCat Pro is our second generation RFID handheld reader. It is an add-on to the Jaguar Platinum system and reads ITS timing chips at distances up to 10 ft (3 m) away.

- Handheld device with large touchscreen display.
- Water-resistant and operates in extreme temperatures.
- Includes an 8 megapixel camera and internal GPS.



✓ JAGUAR OVERHEAD ANTENNAS

- Our **7101 Antennas** have a high-gain design that will read chips even if they are wet or damaged.
- Uses a multi-axial ratio design that allows it to read chips that are horizontal or vertical.
- Designed to be used with all Jaguar timing chips.
- Features a central backplane mount to make it easy and quick to install.
- Hardened design that is IP-67, preventing water and dirt from penetrating it.



TIMING SOLUTIONS



JAGUAR SIDE ANTENNAS

Our **8000 Antennas** attach quickly to a tripod stand using our flexible mounts. Within seconds you are ready to read bibs, triathlon chips, road bikes, motorcycles, cars, and snowmobiles.

- From one to four antennas can be used to maximize read performance.
- Antennas can be deployed in under 30 seconds.
- Read distance can be up to 20 ft (6 m) using our disposable bib chip.
- Ideal for law enforcement or military PT testing.



JAGUAR FOLDING GROUND ANTENNA

- Our **FGA1400 Antennas** have a very low profile design that makes it easy for athletes and spectators to cross over the finish line.
- Four internal antennas maximize reads and provide overlapping redundancy.
- Uses high-grade antenna cables and connectors for maximum performance.
- Operates with most of the Jaguar timing systems.
- Folds up quickly into a small canvas bag measuring 12.5" x 15.75" x 11.5" (31.75 cm x 40 cm x 29.2 cm).
- Weighs less than 35 lbs (15.8 kg) making it easy to carry and deploy.

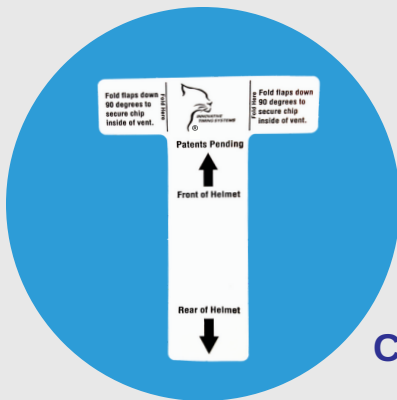


OUR TIMING CHIPS

Selecting the right chip for your event is crucial. That's why we manufacture 11 different chips that all work with our Jaguar timing systems. Instead of a one-size-fits-all approach, as our competitors will suggest, we have engineered unique designs for nearly any type of event. This results in far superior reliability and read rates.



DISPOSABLE CHIPS



CYCLING



5K/10K
MUD RUN
MARATHON



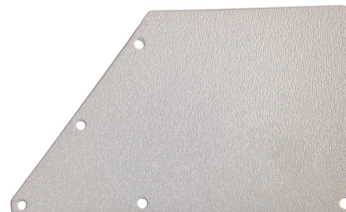
CYCLING
MOUNTAIN BIKING



REUSABLE CHIPS



TRACK AND FIELD



TRIATHLON
ROAD CYCLING
STAND-UP PADDLE BOARD



AUTO RACING



TRIATHLON

ITSJaguar Suite

SOFTWARE

100%



The **Jaguar Suite** is a collection of software products that makes it easy to time and score events. The software can display real-time results, generate instant reports, and communicate with our ITS YOUR RACE registration and results platform.

ITS YOUR RACE is our online race registration and results platform. Everything you and your participants need for a race are finally combined into one solution. You can control event details, live results, social sharing, fundraising tools, sponsorships, referral codes and more through one dashboard.



Jaguar Announcer

The Jaguar Announcer software displays real-time race information on multiple screens anywhere on the course. You can use your own computer for the software and display logos, advertising messages, runner information, video clips and more.



ITS YOUR RACE (IYR) Integration

Jaguar is fully integrated with our IYR registration and results platform. Our timing systems can automatically upload results, race stats and photos over your internet connection. Integration to social media sites is included, and you can even brand our free App with your own splash page.



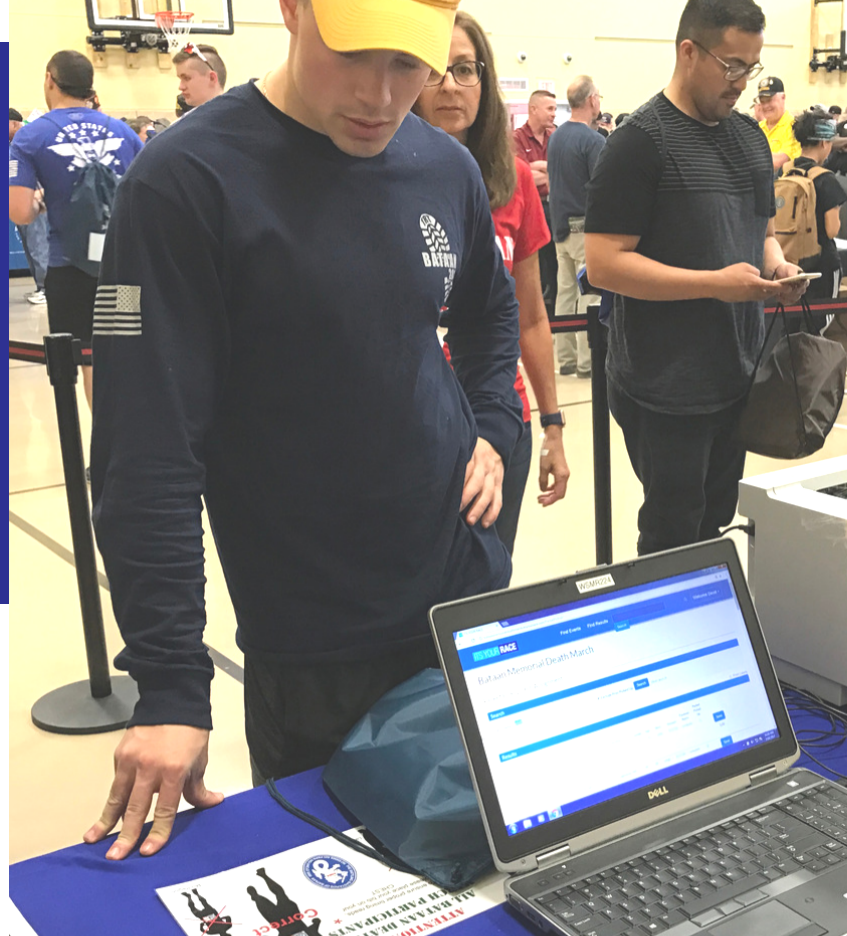
Amazing Redundancy

Jaguar delivers results without fail due to our incredible levels of redundancy. Systems communicate with each other and our TomCat Pro handheld reader will send time adjusted reads to your finish line system. Our Jaguar Remote software can be used on an inexpensive tablet for manual entries as well.

ITS YOUR RACE & JAGUAR SOFTWARE

CONNECT YOUR EVENT REGISTRATION WITH RACE-DAY TIMING

The **ITS YOUR RACE (IYR)** and **Jaguar** combination has revolutionized race day. We use a direct API connection between the two software suites to allow timers to download all registration data in the exact format needed in REAL-TIME.



✓ FEATURES

One Admin Tool for Users

- IYR allows several "user permission levels" on the admin side of race registration.

Race-Day Registration

- Using the race-day registration process on IYR, participants can show up on race day to sign up.

Dynamic Bib Assignment

- Registrant information is transferred from the IYR participant database to the packet pick-up volunteer who:
 - ✓ Looks them up
 - ✓ Checks to see if they have paid
 - ✓ Assigns a bib number
 - ✓ Hands them their packet

✓ All race-day registration data and bib numbers are automatically sent to the timer's Jaguar software, ready to be chip-timed and listed in the results!



✓ BEYOND RACE REGISTRATION

Live Results and Photos

- With direct integration to the Jaguar software, chip-timed results are instantly sent to ITS YOUR RACE and the IYR Mobile App.
- The Jaguar SnapShot camera can instantly send photos to ITS YOUR RACE, allowing athletes to view their photos immediately after crossing the finish line.



Fundraising

- Fundraising is fully integrated into the registration process, which means 100% exposure for your cause.
- All event registration revenue and donations are together in one admin dashboard.
- Customize your fundraising page with photos, images, custom text and much more!

PHOTO SOLUTIONS

Athletes want access to their photos immediately following a race. Our top-of-the-line photo solutions will enhance any event and provide an unforgettable experience for your participants.



SNAPSHOT TABLET

- High-definition camera built into an 8-inch (20.3 cm) extremely lightweight tablet computer.
- Communicates over Wi-Fi with Jaguar Snapshot to take photos automatically.
- Up to eight can be positioned at a single timing point for 360 degree panoramic photos of athletes.
- Features a roving mode where someone can take pictures that are posted to ITS YOUR RACE.



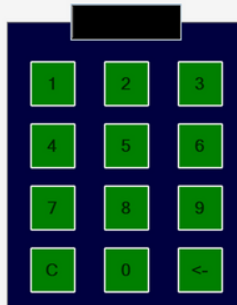
Take Your Photo HERE

Type your bib number and press Take Photo button. You'll have 5 seconds to pose



Take
Photo

You will
receive an
email with
a link to
your photos



(C) Copyright 2010-2014 Innovative Timing Systems, LLC



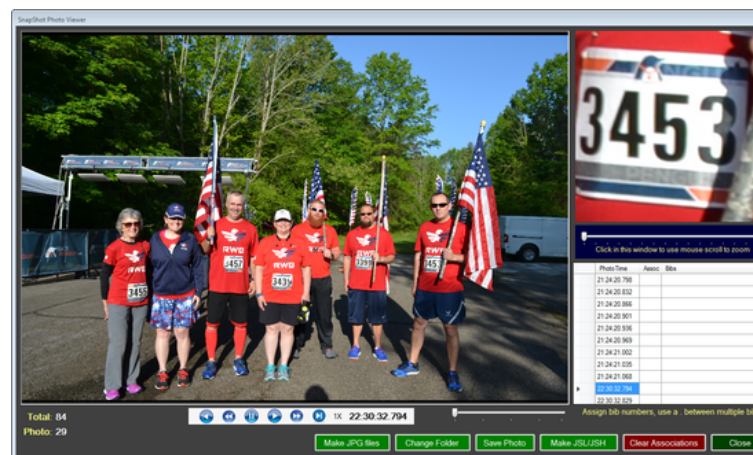
PHOTO BOOTH

- Allows participants to quickly take high-quality photos of themselves at your race expo, after the finish line, in your athlete village, or anywhere you choose.
- Photos are uploaded to our servers in the cloud and made available instantly online and on mobile devices.



PHOTO ASSISTANT

- Ultimate tool for collecting and managing photos at your events.
- Allows you to assign photos to athletes, edit photos, find athlete photos, zoom in on bib numbers, load photos from professional photographers, and so much more.
- It's the perfect solution for delivering great photos to your athletes.





JAGUAR SNAPSHOT

✓ JAGUAR SNAPSHOT

Our focus has always been on the athlete experience. We know that participants want their photos as quickly as possible, that's why we invented Jaguar SnapShot. Use it to capture real-time photos of your athletes at every timing location.

✓ FEATURES

- 30 frames per second
- 640 x 480 resolution
- Auto-white balance
- Auto-focus
- 24-bit color



- Place up to 8 cameras at a single timing point.
- Our software will automatically capture photos, assign them to the athletes, and upload them to our ITS YOUR RACE results platform.
- Within seconds of runners finishing a race, they can view their photos on our Jaguar Kiosks, ITS YOUR RACE, and their mobile phone.
- Athletes will be thrilled to see their photos from multiple locations as they crossed the finish line!
- Each of these capture points are synchronized to the athlete's race times and all photos are uploaded automatically.

SAMPLE SNAPSHOT SCREEN ON YOUR COMPUTER



**YOU CAN USE OUR OTHER PHOTO
PRODUCTS TO CAPTURE EVEN
MORE PICTURES AT YOUR EVENTS!**

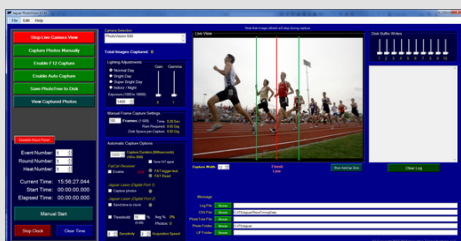


PHOTOVISION™

✓ PHOTOVISION™

The **PhotoVision** camera is the ideal tool for capturing full-frame, high-speed photos at running, track and field, cycling, triathlon, mountain bike, drone, kayak, and motor sports events. PhotoVision uses state-of-the-art camera technology with precision optics that provides clear, high-resolution photos at distances from 5 to 500 ft (1.5 - 152.4 m).

SAMPLE SCREEN



- Extremely high-performance camera technology with shutter speeds up to 1/10,000th of a second.
- Interchangeable precision optical lenses.
- Integration with Jaguar Lasers for automated capture of photos at multiple timing points.
- Comes with our PhotoVision capture and editing software.
- Automatic capture based on scene changes with the ability to set the parameters for starting and stopping.
- Real-time photo analysis with markers for quick analysis of photos captured.
- Models available from 120 to 1000 frames per second (fps).

✓ FATCAT

- The FATCAT transmitter and receiver are the heart of the F.A.T. (Fully Automatic Timing) solution of PhotoVision.
- High-performance and lightweight transmitter can be worn on the belt of the race official.
- Detects the sound of a starter pistol and ignores other loud sounds such as music or talking.
- Powerful receiver can detect the signal from the transmitter at distances up to 2,000 ft (609.6 m).
- Operates in the 2.4 GHz frequency range to ensure no outside interference from routers or cell phones. Interfaces with our RFID timing systems.

TRANSMITTER



RECEIVER



ACCESSORIES

Customize your event with our powerful accessories. **Contact a Jaguar Representative** for a full listing of our add-ons and accessories that will elevate your event above the competition and keep participants coming back.



JAGUAR LASER

- High-performance system designed to give you amazing accuracy as tight as 1/8th of an inch (.3175 cm).
- Precision to 1/1,000th of a second.
- Maximum read distance up to 60 ft (18.3 m).
- Quad beams prevent false triggering.



JAGUAR DIGITAL RACE CLOCK

- Available digit height sizes: 4", 7", and 9" (10.2 cm, 17.8 cm, 22.9 cm).
- Internal battery lasts up to 24 hours.
- Visibility up to 1,000 ft (304.8 m) in direct sunlight.
- Significantly enhances your race.
- Communicates with the Jaguar system.
- Can be controlled by our Windows App or with our optional stand-alone remote control.
- Thin, with a depth of less than 1.5 in (3.8 cm).



JAGUAR RAPID RESULTS KIOSK

- High-speed touchscreen kiosk.
- Athletes are able to look up race results immediately and print receipts.
- Displays top finishers and more.
- Provides real-time scrolling results on screens.
- Athletes can view their race photos.
- Custom QR code generated on-screen allows athletes to see their photos on their mobile phone.





OUR RACE SOLUTIONS

5K, 10K



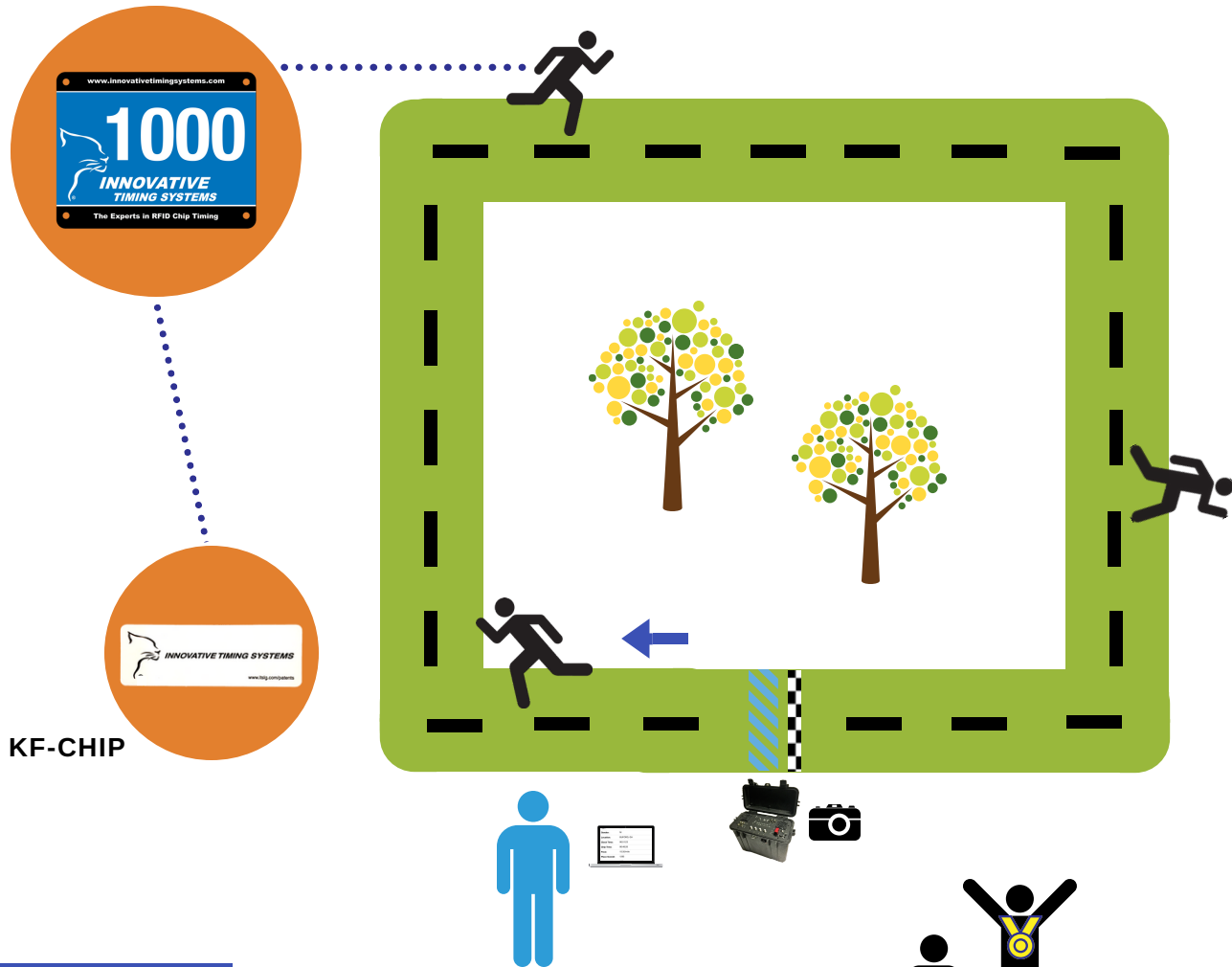
1

WHAT YOU NEED TO GET

1 JAGUAR PLATINUM XT SYSTEM

KF-CHIPS ON BIBS

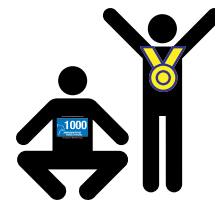
1 SNAPSHOT CAMERA 



2

WHAT YOU NEED TO DO

Everything is set up and ready to go on race day.



ONLINE REGISTRATION WITH **ITS YOUR RACE**



A Jaguar Platinum XT system is set up at the start/finish line for an upcoming road race. A few months before the event, the race director or timer creates an event on ITS YOUR RACE and sets up online registration. Prior to the event, you will order the required number of timing chips or you can order your timing chips with customized bibs.



OUR RACE SOLUTIONS
MARATHON



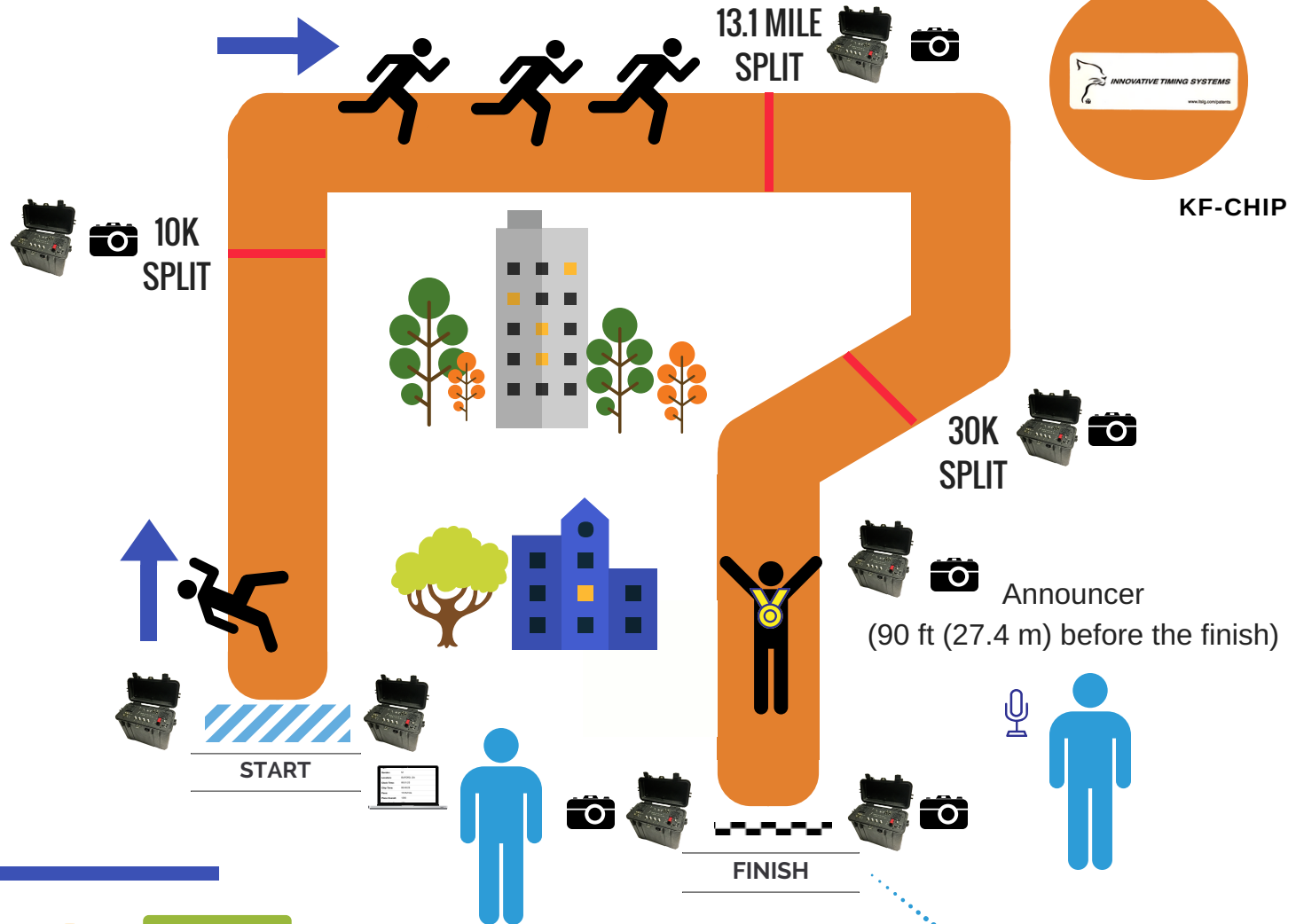
1

WHAT YOU NEED TO GET

KF-CHIPS ON BIBS

5 SNAPSHOT CAMERAS 

8 JAGUAR PLATINUM XT SYSTEMS



2

WHAT YOU NEED TO DO

Everything is set up and ready to go on race day.

LIVE RESULTS WITH **ITS YOUR RACE**



The race is timed at the start, 10K, 13.1 mile, 30K, and finish line. One system will be placed before the finish line to feed the finishers' names to the announcer. As each participant crosses the finish line, live results and photos are published on itsyourrace.com and the ITS YOUR RACE Mobile App.



OUR RACE SOLUTIONS

ROAD CYCLING



1

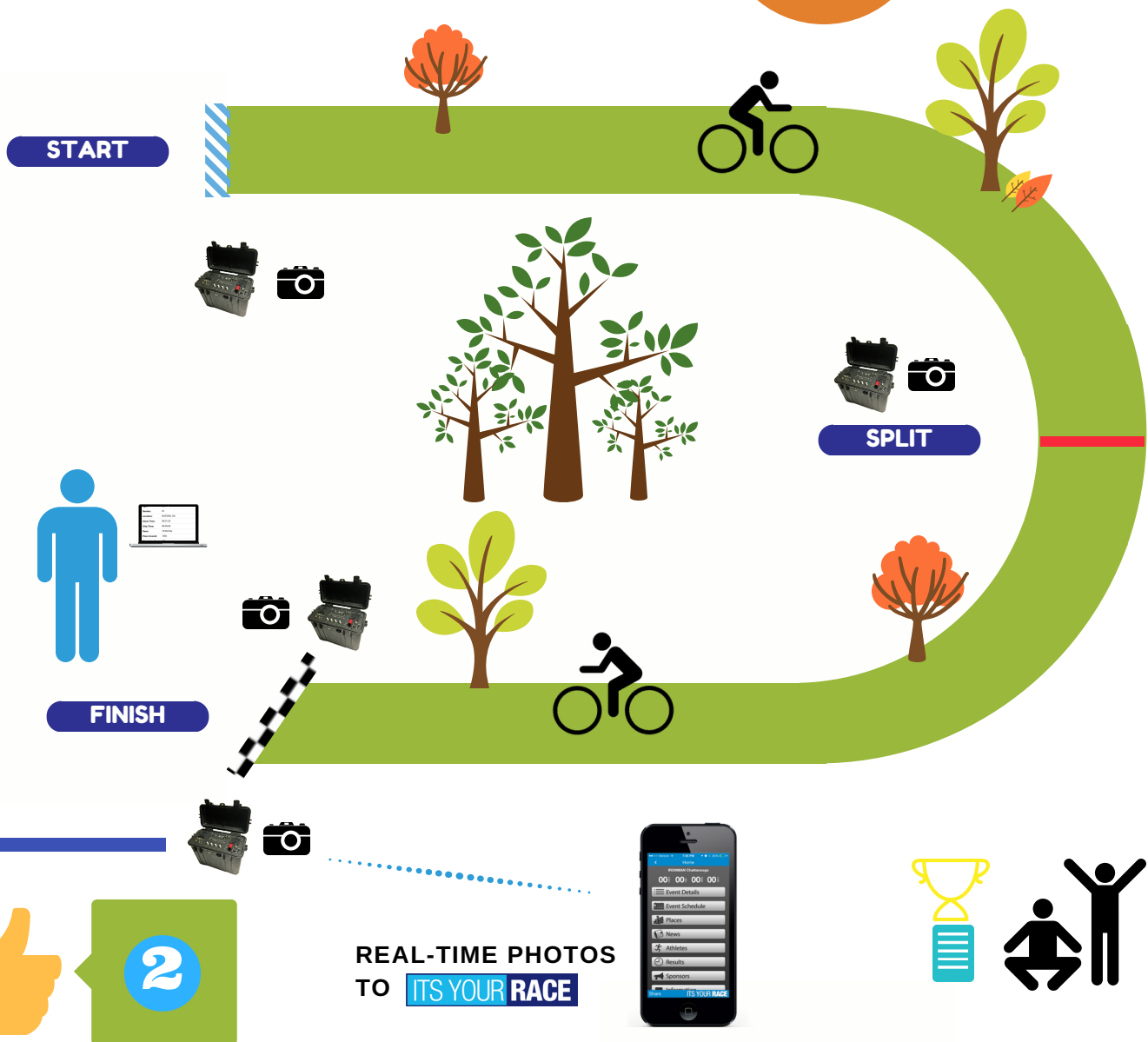
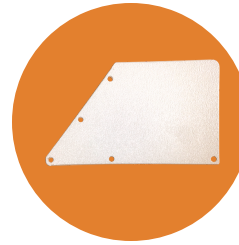
WHAT YOU NEED TO GET

4 JAGUAR PLATINUM XT SYSTEMS

4 SNAPSHOT CAMERAS 

Z-CHIPS

Z-CHIP



WHAT YOU NEED TO DO

Everything is set up and ready to go on race day.

One Jaguar Platinum XT system is placed at both the start and split point. Two systems will be placed at the finish line for redundancy. Chip reads at the start and split timing points are transmitted to the Platinum XT system at the finish line and to ITS YOUR RACE.



OUR RACE SOLUTIONS

MOUNTAIN BIKING



1

WHAT YOU NEED TO GET

1 JAGUAR PLATINUM XT

BIKE PLATES WITH B-CHIPS

1 SNAPSHOT CAMERA 

1 JAGUAR DIGITAL RACE CLOCK



WHAT YOU NEED TO DO

Everything is set up and ready to go on race day.

One Jaguar Platinum XT is all you need for smaller Mountain Biking events. The Platinum XT is set up to capture the time of each participant. The Jaguar Digital Race Clock is used to let participants know their times. Live results are available on the Jaguar Kiosk, on scrolling result screens, and on ITS YOUR RACE.



OUR RACE SOLUTIONS

TRIATHLON



1

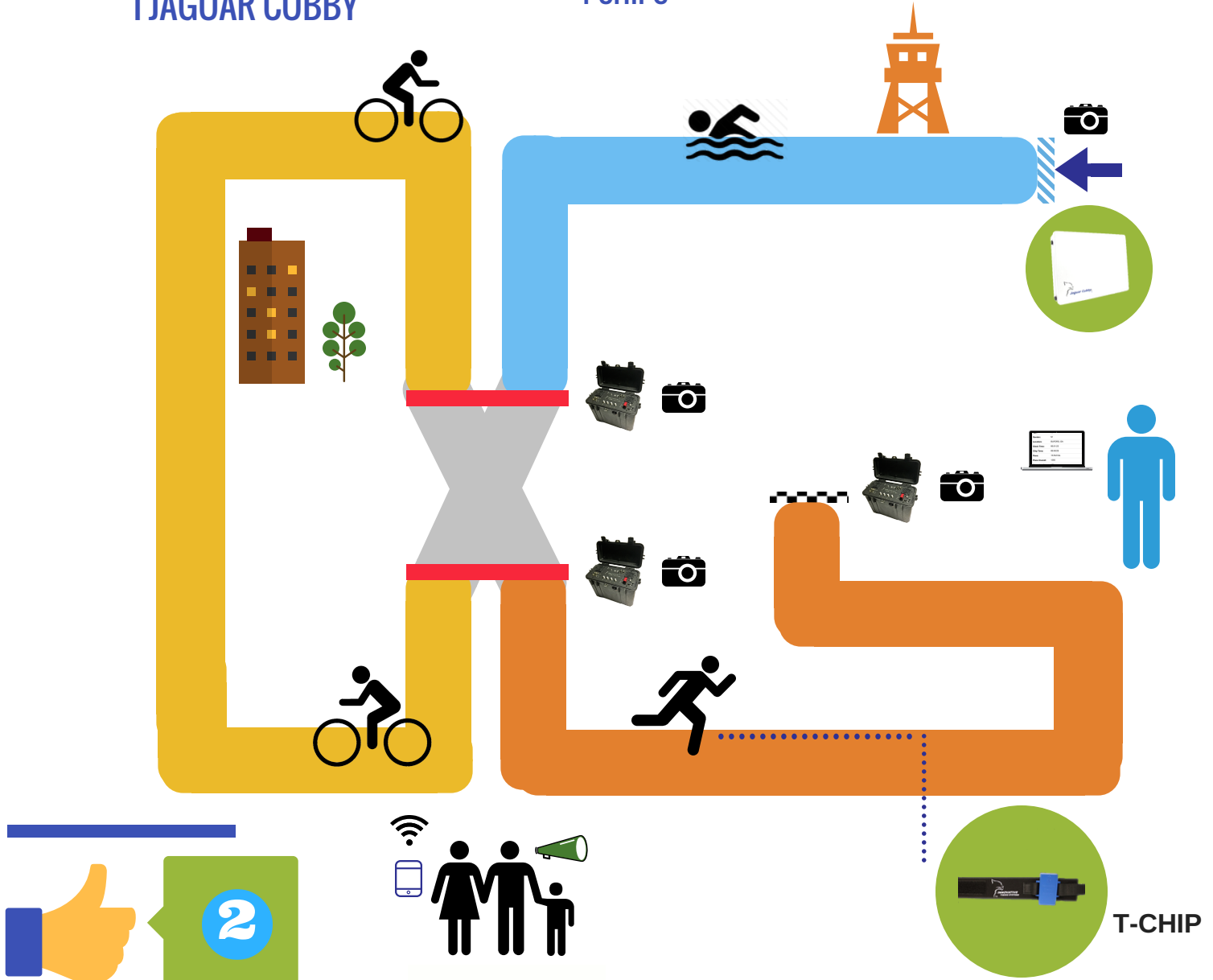
WHAT YOU NEED TO GET

3 JAGUAR PLATINUM XT SYSTEMS

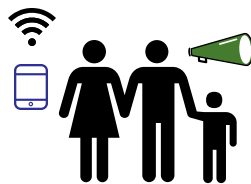
4 SNAPSHOT CAMERAS 

1 JAGUAR CUBBY

T-CHIPS



2



Everything is set up and ready to go on race day.

LIVE ONLINE RESULTS WITH **ITS YOUR RACE**

WHAT YOU NEED TO DO

A Jaguar Cubby is placed at the swim start. At each transition is a Jaguar Platinum XT system. A system is also placed at the finish line. A SnapShot camera is placed alongside each timing system. The Jaguar system calculates over 90 different statistics of the athletes' performance giving them unique insight about their race. Results and photos are published on ITS YOUR RACE.



OUR RACE SOLUTIONS

ADVENTURE RUN



WHAT YOU NEED TO GET

2 JAGUAR PLATINUM XT SYSTEMS

KF-CHIPS ON BIBS

KF-CHIP



Results uploaded
to the Jaguar Kiosk

WHAT YOU NEED TO DO

Everything is set up and ready to go on race day.

For an Adventure Run, you will need two Jaguar Platinum XT systems. One system will record all start times. Whether the race begins all at once or in waves, the start time of each participant will be recorded and transmitted to the Platinum XT at the finish line. Results will be uploaded to the Jaguar Kiosk, scrolling results, and to ITS YOUR RACE.

• SUCCESS STORIES •

FROM OUR CUSTOMERS



Tom Jordan, **J3 Timing**

*"When J3 Timing first started out we purchased a Cubby, which was by far the most reasonably priced starter system on the market. I've stayed with Jaguar because of the relentless pursuit ITS has in staying ahead of the curve. We have grown to be one of the largest timers in the midwest primarily because of the scalable set of timing options that we are able to deliver. They truly are **Innovative** Timing Systems."*



Scott Wood, **Athlete Guild, LLC**

"In 2009, I wanted to provide a chip timing solution for the few non-profits I was working with and also build a business around race management and event timing. Jaguar came out on top as they were the only provider of a chip on bib solution and the most complete software timing solution. We are able to deliver services and solutions that no other timing company can provide, which will continue to keep us ahead of any competition."



Aneesa Bhimani-Trimble, **Key Sports**

"Jaguar/ITS/IYR offers stellar customer service to us. Anytime I have questions, I can call or email for support. Jaguar/ITS/IYR allows us to offer a total package to race directors. For each event, we're able to offer a dynamic website that includes registration, fundraising, results, and sponsorships.

We also offer instant upload of results and photos. When participants enjoy the perks of the race, they return the following year!"



Bruce Bokish, **Precision Race**

"The best possible race experience comes from the integrated ITS YOUR RACE registration and results platform and the Jaguar timing system. IYR registration data flows right into the Jaguar timing system and timing data flows right back into the IYR results platform. Athletes' times are available instantly, along with awards, team results, and multi-race "challenges" are updated LIVE as athletes cross the finish line. There is simply no better experience than this fully-integrated platform."



Our goal is to provide our customers with the best timing solutions on the market, along with outstanding customer service. We would love the opportunity to speak with you about joining the Innovative Timing Systems community.

CONTACT INFORMATION

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