



## TSUS e-Brief June 2023 | Issue 6

### Remembering Record Runs at Pikes Peak

June 25th, 2023 marked the 101st annual Pikes Peak International Hill Climb. Last weekend's race weekend brought up the fun memory of collaborating with Honda Performance Development (HDP) in 2018 and 2019 to help their car set a record course time at Pikes Peak International Hill Climb. How [we helped improve outcomes and set record course times for HDP](#) is always one of our favorite trips down memory lane.

HDP needed accurate aerodynamic simulation results of the race version of the Acura TLX-GT in order to modify the car for the Pikes Peak race. TotalSim completed a rear wing optimization and redesigned the diffuser and rear fender to improve aerodynamic performance.



Peter Cunningham of RealTime Racing drove the 2018 Acura TLX-GT, finishing first in class and third overall at Pikes Peak while shattering the course record for its class.

In 2019, Peter Cunningham drove the updated Acura TLX-GT to a first in class finish with a winning time of 09:24.433 and setting another course record for the Pikes Peak Open class.

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# 14 Years of TotalSim... What Have We Done Together?

Since our start in 2009, it feels like life at TotalSim has always been go, go, go! That's why to mark being halfway through 2023, and 6 months away from our 15-year anniversary, we decided to slow down and reflect on what we've been able to accomplish with the help of our clients!

The infographic features a blue background with the TotalSim logo (TS) in the top left corner. The text 'COMPLETED PROJECTS' is centered in large white letters. Below this, a black digital counter displays the number '1212'. The first three digits (1, 2, 1) are white, while the last digit (2) is white and positioned above a grey '3', with a curved arrow pointing upwards from the '3' to the '2'. Below the counter, the text 'AND COUNTING!' is centered in large white letters.

We have completed 1,212 projects over the past 14+ years! We owe a big thank you to all of our clients and the people who have been with us along our journey. We love helping people solve problems, break records and bring new products to market, and it never stops being exciting. We are very proud and grateful that over 80% of our business is repeat or referral work from existing and past clients.

As you can see the project counter is still going and we'd love to have you be apart of it. If you have a project in mind, have questions about the benefits of CFD or just want to chat - [reach out to us!](#)

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## 3D- Scanning Makes Restoring a Car Seamless and Fun - Kyle Kuhnhouse Agrees!

In late May, our own Ben Cantrell had the opportunity to fly out to Oregon and meet with Kyle Kuhnhouse, custom hot rod builder and a [SEMA](#) Battle of the Builders finalist. The purpose of his trip was to assist with 3D-scanning for a 66 Corvette Kyle is currently working on.



Ben used TotalSim's Creaform 3D white light scanner to reverse engineer several parts and surfaces. These scans will help generate new products and custom solutions in the future and over the past few weeks Kyle has been turning the data into manufacturable components.



"Having Ben fly out to my hotrod shop to collect 3D scan data was a huge success!" Kyle shares, "Upon arrival we jumped right into action and completed scans of over 20 different components and areas on the cars in the day and half session. The scans were extremely accurate and are now being used to create production parts and custom solutions. Ben's scans saved me countless hours in CAD and the cost of this service versus the future revenue from the components it will create made it a no-brainer decision. I'm certain I'll look to have Ben out again in the future!" Check out Kyle's [Instagram page](#) to see more of his work and the specifics of his time with Ben!

TotalSim's scanning work is easily accessible to anyone looking to bring a project to us, or welcome us into their own home garage. To learn more about our 3D-Scanning capabilities check out [our site](#).

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## Welcome TotalSim's Newest Team Member: Ainsley Allen

Ainsley Allen joined TotalSim this summer as our newest Sales and Marketing Intern. She is currently a rising senior at The Ohio State University where she's studying Strategic Communications with a minor in Professional Writing.

Her experience in freelance writing, persuasive communication and strategic content creation allow her to be a great addition to the team. Ainsley loves to be social with friends, indulge in a true crime documentary and enjoy a good book.



You can check out Ainsley on [LinkedIn](#) and keep an eye on TotalSim's social media pages to see the content she works on behind the scenes! To meet the rest of the TotalSim crew go to our [team page](#)!

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## **Jagger Jones Set to Race in Mid-Ohio July 2nd Following June Successes**



Jagger Jones finished 2nd in the INDY NXT by Firestone – Detroit Grand Prix Race #1 on June 3rd. His first podium finish of the season was soon followed up by a great Top Ten run after a flat tire put him at the back of the pack in Wisconsin at Road America. These successes continue to add to his rookie season and we're so happy to be a sponsor of his journey!

On July 2nd, Jagger comes to the Buckeye state for Mid Ohio, a course he tested very well at recently. TotalSim will be at the race to cheer him on and you can stream the race on Peacock. Click [here](#) to check out the rest his race schedule.

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## Ray's Return to OshKosh

It's that time of year again, Ray will be attending EAA AirVenture this month at Wittman Regional Airport in Oshkosh, WI. This event is one of the company favorites, seeing as Ray flies his PiperCherokee Six to the grounds and camps under the wing of the plane for most of the week.

More than 500,000 aviation enthusiasts from 80 different countries attend this event each year to join in on what has been deemed "The World's Greatest Aviation Celebration." With over 10,000 aircraft on the field it makes KOSH the busiest airport in the world during the week of the show.



We are hoping for better weather as last year Ray truly battled the elements. With a storm rolling through and soaking pretty much everything, Ray had quite the experience being one with the Wisconsin weather.

We're all laughing about it now (and some of us were actually laughing about it then) and Ray looks forward to returning to the same campsite, just with a new tent.

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### Upcoming Events

[VFS Electric Aircraft Symposium](#), July 22 - 23 , Oshkosh, WI

[EAA AirVenture](#), July 24-30, Oshkosh, WI


[National Advanced Air Mobility Industry Forum](#), Sept. 13 - 14, Springfield, OH

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