

THE SPARTAN RACER

OCTOBER 2023

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Pittsburgh Shootout 2023



In 2016, the students at University of Pittsburgh started an event for Formula SAE teams to showcase their vehicles in a competitive environment.

Now hosted by the Pittsburgh Shootout, LLC, and with the help of alumni volunteers and sponsors, teams from around the country make their way to Pittsburgh International Race Complex in Wampum, Pennsylvania for a chance to compete in a more relaxed setting.

As soon as the site opened on September 2nd, the team made their way to the technical inspection tent. After passing the inspection and brakes test, driver Manan Patel got behind the wheel to set some base lap times for the team to chase around both the autocross and skid-pad track. Then came the time for rookie driver, Emre Celik, to have a chance at his first competition.

Overall, the day was a success, as SR-23 only stopped running while waiting in line for the next run, or for driver swaps. Barring a steering column mount failure at the end of the last run of the day, the team was proud at the reliability of the vehicle in the scorching sun.

The team placed 11th overall in the internal combustion segment and ended the day having gained valuable data and driver development time. The team would like to thank the volunteers and Pittsburgh Shootout, LLC, for hosting a great event.

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Lawrence Tech Grand Prix

Coming off a successful weekend at Pittsburgh, the team geared up to appear at the 2023 Lawrence Tech University Grand Prix.

Since the team's 2nd place finish last year, everyone had high hopes this year and were striving for that number 1 spot.



After a few warm-up laps to get familiar with the track, Emre Celik was determined to keep improving his lap time as the day went on. However, it did not take him long to beat the quickest time of the day, posting a personal best time and moving MSU from third to first.

Similar to the Pittsburgh Shootout, SR-23 only came out of the re-run line to give the driver the opportunity to cool off. As the day went on, MSU stayed in the number 1 spot, eventually securing the win as the day came to an end.

The team would like to thank Lawrence Tech University for hosting a great event.

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Automobili-D Auto Show



Instagram: @msu.egr

The team had the incredible opportunity to bring SR-23 to put on display at this year's Automobili-D Detroit Auto Show.

Leaders on the team were able to attend the multi-day event and experience all that the show had to offer.

In addition to it all Chief Engineer, Cameron Hesano, gave a speech outlining the team's shift to an all-electric powertrain. This is an exciting milestone, and it was fantastic to see the interest in the team upon hearing this news.

MSU Homecoming Parade

Instagram: @msu.egr (Courtesy: Kendra Horvath)

Wrapping up the end of September, the team attended the annual MSU Homecoming Parade.

Every year, the University hosts a parade that brings the community altogether. This is always greatly anticipated by the team as it is a chance to show the community what the hard work and dedication of its students has achieved.



Although watching SR-23 compete is an incredibly rewarding experience for the team, nothing will quite beat the smiles and amazement on the everyone's face when rolling down Grand River Road.

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Name: Phoenix Composite Solutions, LLC.

Location: Oscoda, MI

Phoenix Composite Solutions, LLC, also known as PCA, is a company that provides services to design, manufacture, and repair components made from a wide array of materials. Based in northern Michigan, PCS is driven to deliver top quality solutions to all their customers.

PCS has state-of-the-art facilities that establish an efficient and precise manufacturing process for both metal and composite materials. These include clean rooms, autoclaves, paint booths, compression mold presses, lathes, CNC mills, and much more!

As a team that runs a carbon fiber monocoque, there is a need for industrial sized equipment, such as an autoclave. PCS was generous to accommodate our strict manufacturing schedule, allowing the team to complete the monocoque for SR-23. Their experienced staff was prepared for the team and ensured a smooth procedure.

Thank you, Phoenix Composite Solutions, LLC, for your kindness and support to the team!

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