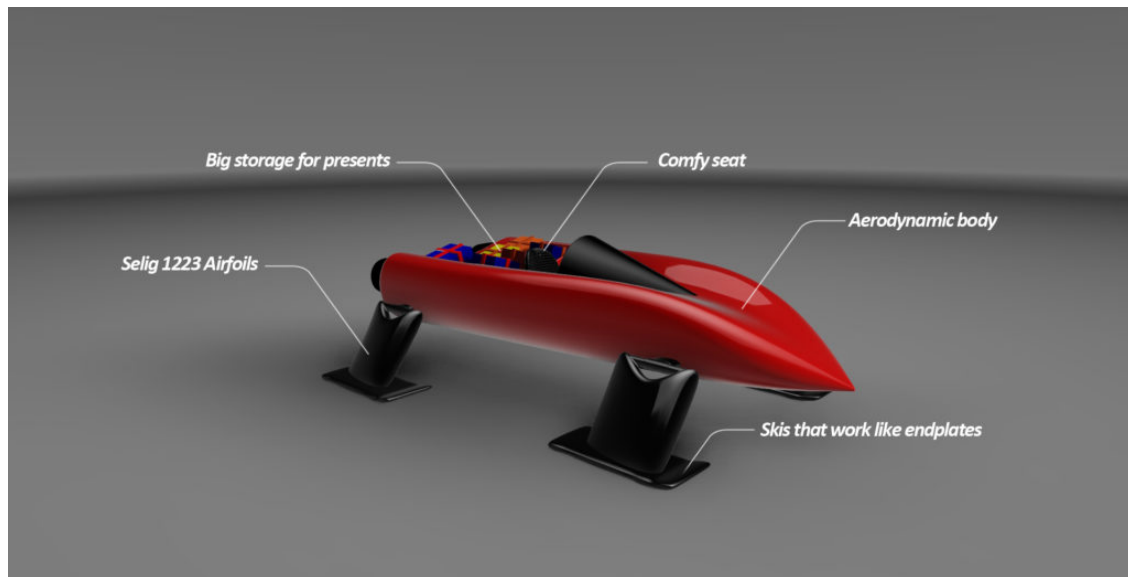


Giving Santa A Jet Fast Ride

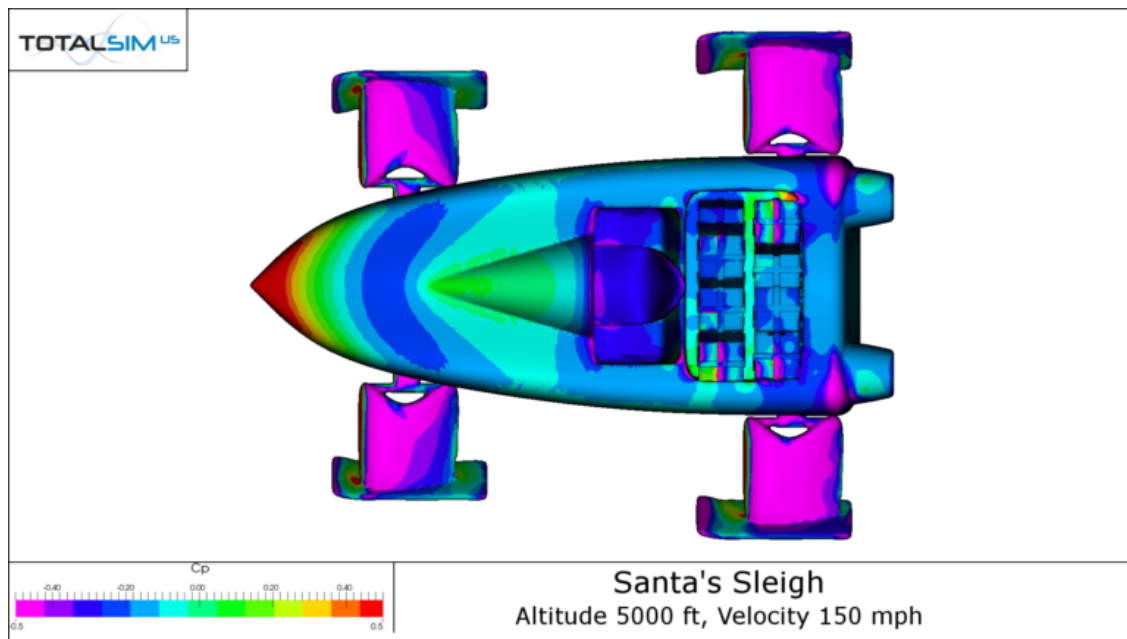
'Tis the season of joy, and with Christmas around the corner, the anticipation for Santa's magical deliveries is in full swing. As you follow the Santa Trackers, you might catch yourself wishing for Dasher or Rudolph to pick up the pace and expedite the present delivery.

Enter the Jingle Jet, a modern rendition of Santa's sleigh. With its sleek aerodynamic body powered by two jet turbo engines, this high-tech sleigh eliminates the need for Santa's traditional reindeer crew. The Jingle Jet is crafted for efficient gliding through the skies, and its aerodynamic lift, a substantial 802 pounds, ensures steady level flight, but is the jingle jet capable of this mission?



A quick CFD analysis reveals the aerodynamic intricacies of the Jingle Jet, shedding light on lift and drag sources. As Santa faces this gargantuan task, one can't help but

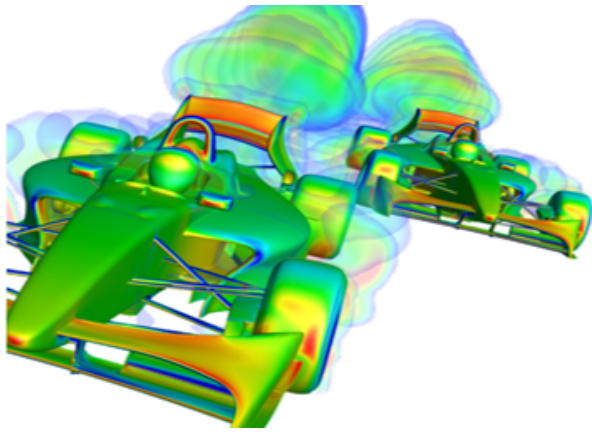
understand the need for a bit of Christmas magic to ensure the job gets done. Check out the full details of our festive study [here](#).



CFD is for the Masses and Racecar Engineering Magazine Helps Us Spread the Message

Recently, TotalSim collaborated with Racecar Engineering Magazine to do a feature on the ways CFD technology can help upgrade racing in all types of race series, from grass roots to F1.

Ray highlighted the increasing role of aerodynamics across all levels of racing, emphasizing the importance of efficient aerodynamic testing. While traditional methods like on-track and wind tunnel testing remain crucial, CFD is a cost-effective and faster alternative. CFD utilizes numerical analysis to predict fluid flow digitally, providing engineers with valuable data for vehicle performance under various conditions.



The decreasing cost of CFD is attributed to 3-D scanning technologies, enabling efficient and affordable aerodynamic testing. TotalSim's expertise spans various tools, allowing customization to meet specific client needs in the rapidly evolving world of motorsports.

The article also mentions the benefits of small and medium-sized enterprises strategically partnering with CFD consulting teams for effective implementation. In the competitive landscape of motorsports, embracing simulation technology becomes essential for maximizing investment value and you can read the full piece [here](#).

A Great Weekend In Indy at PRI 2023

The TotalSim team had such a great time being back at the PRI Show this month! Between a sweet aisle sign, a booth equipped with interactive VR and getting to see the record-breaking snowmobile we worked on with Hypersports, this trip was a huge success!

Naethan had seminars both Thursday and Friday on racecar aerodynamics that ended up being standing room only (popular guy) and we got to hear personalized questions from people all across the industry.



One of our senior engineers, Miguel, along with Sarah and Ainsley from the sales and marketing team all made their PRI debut. Luckily, Ray, Naethan and Ben returned to help them get adjusted.

We always love catching up with old friends in Indy, but being able to meet so many new racing fans and introduce them to what CFD can bring to aerodynamics in racing is always our favorite part! If we got the chance to see you at the booth or at either of Naethan's seminars and you found yourself with any lingering questions, feel free to [contact us](#).

Happy Holidays From TotalSim - Thank You For A Great Year

Another year around the sun and we're grateful to have done it with all of you. Our team will be out of the office from December 22nd - January 1st, so this is a farewell until 2024. We had a great year full of awesome projects and even more awesome people (and pets).

Happy holidays from the TotalSim team and we'll see you next year!

Industries Where We Excel



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