# Elevating Aviation: How STAR-CCM+ Transforms Aerodynamic Performance Analysis

In the competitive landscape of aviation, optimizing aerodynamic performance is essential for meeting stringent regulations and enhancing fuel efficiency. As manufacturers innovate with new aircraft concepts and lightweight materials, tools like STAR-CCM+ from Siemens become crucial. This advanced software streamlines aerodynamic analysis, helping companies comply with environmental standards while fostering innovation in design.
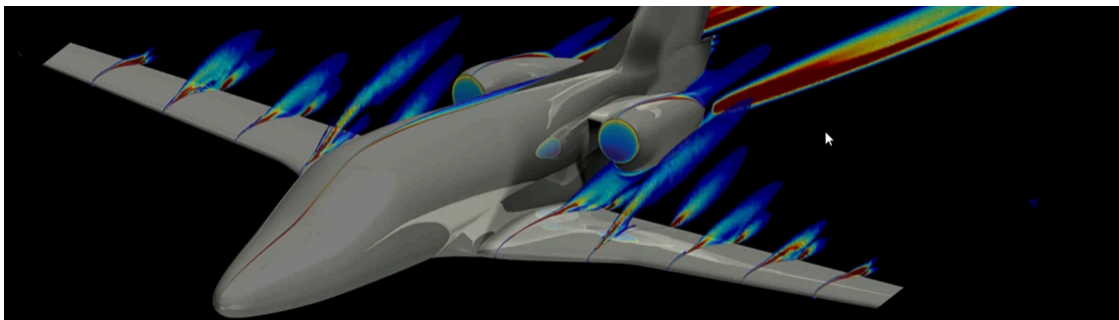
STAR-CCM+ excels in handling complex geometries, employing robust meshing techniques and accurate turbulence models to provide engineers with precise predictions of aircraft behavior in real-world conditions. Its capabilities in performance engineering allow for rapid exploration of design variations, significantly reducing development timelines and enhancing overall efficiency.

To learn more about its transformative impact on the aviation industry, check out the full [blog](#)!
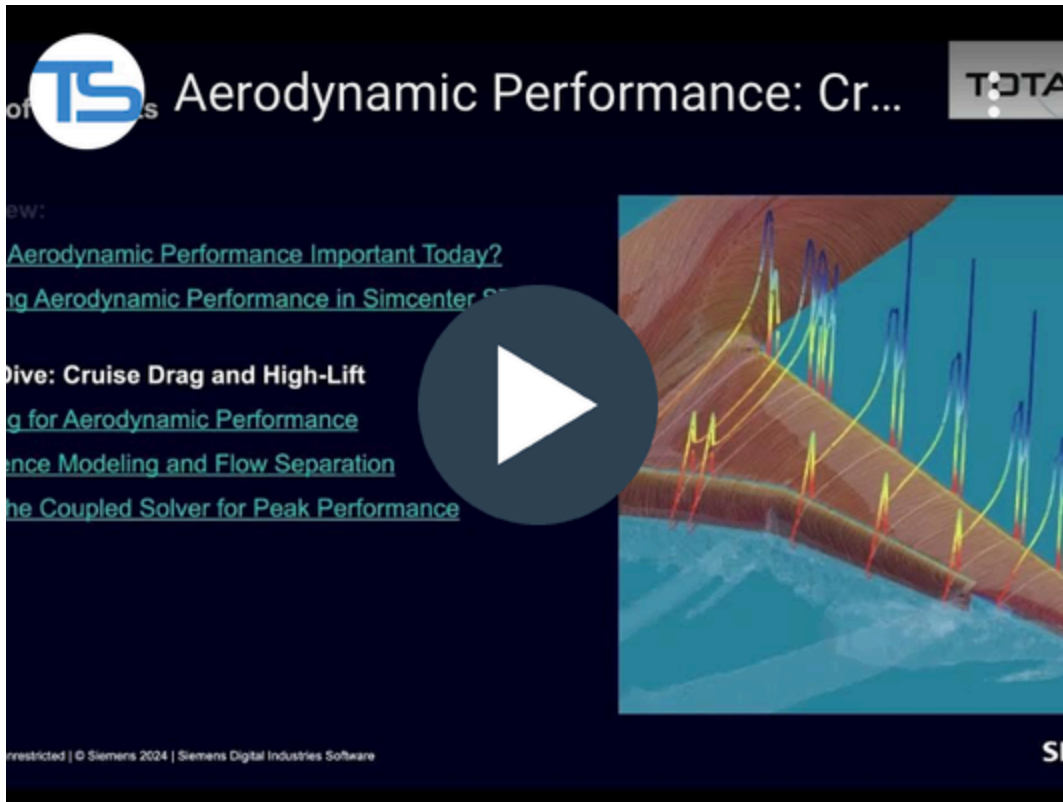
Newest Team Member: Nick DiSabato

We're thrilled to welcome Nick DiSabato to our team! With over 17 years in Sales and Business Development, he brings a wealth of experience in SaaS software, AI/ML, and Data Management. Nick has worked with all levels of management and has a knack for connecting with clients, whether they're small or large.

Outside of work, Nick is a former college athlete and youth sports coach, bringing that same passion and teamwork spirit to our organization. We're excited to have him on board and can't wait to see the great things we'll accomplish together!

You can connect with Nick on [LinkedIn](#) or [set up a meeting with Nick](#) to chat further!

Connecting and Collaborating: Highlights from the Siemens America Partner Conference

Our team had an incredible experience at the Siemens America Partner Conference! It was a fantastic opportunity to connect with fellow Siemens partners, share insights, and engage in inspiring discussions about the latest industry trends and innovations. We enjoyed exploring new technologies and discovering how we can collaborate to enhance our offerings and drive progress together.

The energy and enthusiasm at the conference were truly motivating, and we're excited to continue building relationships within the Siemens community. We look forward to leveraging our collective expertise and resources to tackle challenges

and create impactful solutions in the future. Here's to many more successful collaborations ahead!

Upcoming Events

PRI // December 12 - 14 // Indianapolis, IN

Come find us at booth #133 and also join us on Friday, Dec. 13th for an

aerodynamics presentation and Q & A session led by Naethan.

Race Car Aerodynamics Presentation Applicable to different race series that use aerodynamics, from grassroots to dirt series to NASCAR, Indy & Formula 1

Naethan Eagles

TotalSim's Technical Director & Co-Founder

Friday, December 13, 2024

1:00 PM - 2:00 PM

Industries Where We Excel

TotalSim, 4960 Blazer Parkway, Dublin, Ohio 43017, United States, +1.614.255.7426