

The Airflow Update

50th Anniversary Edition

In October, ASC passed a huge milestone - 50 years of providing our clients with engineering solutions!

Grown from the vision of two men, Bob Gielow and Jim Paul, ASC started as Business Aircraft Consulting Services (BACS) in 1975 with the goal of optimizing the use of business aircraft fleets. Through the years, BACS became Airflow Sciences Corporation, and shifted focus to specialize in the design and optimization of equipment and processes involving flow, heat transfer, combustion, and mass transfer.



Founders Bob Gielow & Jim Paul

Over the last five decades, we've evolved alongside the industries we serve.

ASC started in a small office, renting time on the University of Michigan's "mainframe" and later opening a larger office outfitted with patio furniture and a "monster computer" with a staggering 128KB of RAM and a 30MB massive disk drive which, when the heads get moving just right, would "walk".



As we celebrate, we're not just looking back - we're looking ahead.



ASC staff in front of a custom closed-loop wind tunnel built for the Northwestern University's [Adaptive Structures Lab](#)

Our capabilities have expanded dramatically as well. We now offer a full suite of services including CFD modeling, laboratory and field testing, custom test equipment manufacturing, and our own CFD software - AzoreCFD. From power generation to manufacturing, HVAC, legal and engineering consulting, ASC's impact spans industries and continents.

Here's to the next 50 years of engineering excellence, problem-solving, and pushing the boundaries of what's possible.

Thank You!

Airflow Sciences Blog

Released several times throughout the year, you can keep up with ASC engineering news and insights through our blog. View a few of our latest articles by clicking the links below:



[Isolated Phase Bus Duct Testing](#)



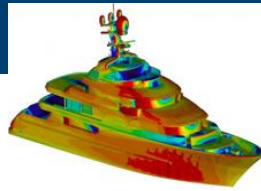
[Modeling and Testing Stacks and Chimneys](#)



[CFD Aids Chemical Vapor Deposition Uniformity](#)

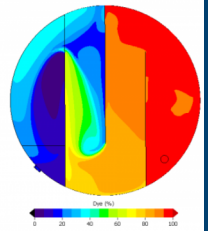
[Vehicle Exhaust Plume Tracking](#)

Dispersion analysis of exhaust can be performed using both computer and laboratory flow modeling techniques.



[Using CFD to Find Baffling Factor of Water Tanks](#)

Using CFD to characterize the effectiveness of water flow through a tank by quantifying the mixing of chemicals.



[CFD "Cements" Plant Efficiency](#)



[Bitcoin is HOT, Maybe too hot?](#)



[Ask An Engineer: Consulting Services](#)

Product News

Thank you to all who helped the ASC Bat Tunnel compete for the Coolest Thing Made In Michigan people's choice award!

Learn more about this incredible research tool and how [Rice University's Rummel Labs](#) will use it to help study the flight of bats to help humans cope with extreme temperatures.



Cooler
THING
MADE
IN
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Staff News

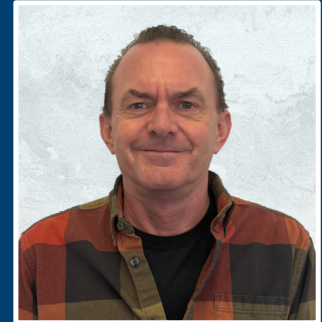
As we're looking towards the future - Airflow Sciences is growing, and we're investing in the talent that will help shape our future. We're pleased to introduce our newest additions to the ASC Family:



Bryan Lioi
Assistant Lab Tech



Mya Mullinax
Engineer



Rick Rhyshek
Laboratory Tech



Marlee Trager
Engineer



Lokesh Silwal, Ph.D.
Engineer

A Note From ASC President, Rob Mudry:

This past year has marked an important milestone for ASC, and it's had me reflecting on the past 50 years. *A half-century of success doesn't happen by accident.* It's built through the dedication and hard work of our engineers, lab technicians, and support staff. It's also made possible by the strong partnerships we've built with our clients, who continue to trust us with their most complex flow challenges.

As we look ahead, one thing is clear: we're busier than ever, and we couldn't be more grateful. The growing demand for our expertise is a testament to the quality of our work and the relationships we've built. To meet that demand, we remain committed to hiring and developing the very best engineers — the kind of talent that will carry ASC into the next 50 years with the same spirit of innovation and precision that has defined us since 1975.

While our tools, technology, and even our look have evolved over the decades, our core focus has never changed: delivering trusted flow solutions that make a measurable difference.

Thank you, Rob Mudry

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 **Airflow Sciences Corporation**
50 years of delivering trusted flow solutions