## Our Mission

Integration of state-of-the-art CFD simulation into design & analysis of applications involving fluid flow & heat transfer

## About us

We are a full complement Computational Fluid Dynamics (CFD) training and consulting firm located in suburban Philadelphia, PA. Established in year 2000, our core competencies are engineering, design, and Analysis of complex fluid dynamics and thermal management applications. We have extensive computational capabilities using state-of-the-art commercial, public domain, and in-house simulation software. We are dedicated to bringing expert solutions to diverse industries and applications. It is important to us to provide you "the customer" with maximum value for your investment in us. We want you to think of us when you think about flow modeling and analysis.

## Computational Fluid Dynamics (CFD)

CFD is a computational technology that enables investigation of the dynamics of things that flow. CFD analysis provides the prediction of fluid flow behavior as well as the transfer of heat, mass, phase change, chemical reaction, mechanical movement, and stress or deformation of related solid structures. CFD provides the ability to visualize and understand complicated physical phenomena and systems too difficult to prototype. CFD is a tool well suited to answer many of 'what-if?' questions that pop during the design stages. CFD use makes for a more efficient design and analysis cycle resulting in saving of time and money.

InfoMec
Quality Solutions

## CONTACT US

For further information or to learn more about InfoMec Consulting


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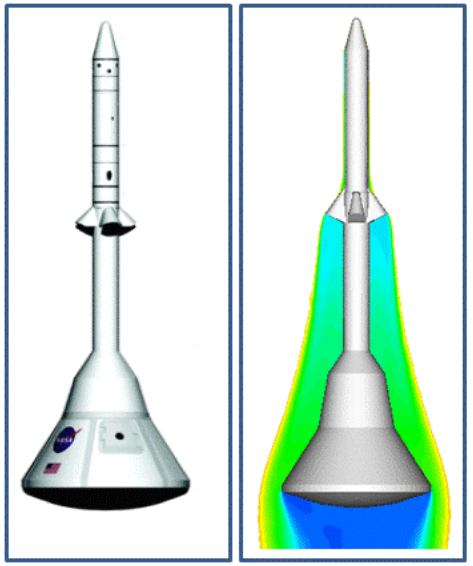
# InfoMec Consulting

## CFD Training and Consulting



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# Power of CFD for You

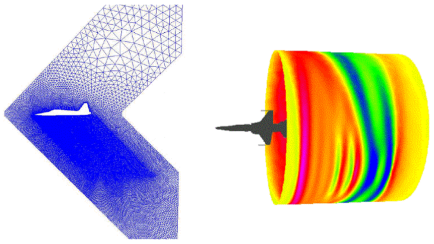
**InfoMec** can provide you with the complete CFD training and consulting solutions. Our expertise in the leading edge CFD is now at your disposal at an affordable value. Our vast experience in the field of aerospace provides you with necessary fluid dynamics and heat transfer information for better designs.

Our extensive CFD and project management experience can now be in your corner from the early stages of planning to the final stages of your design. Our CFD expertise will help your engineers and researchers deal with the flow problems that come up in the design and analysis phases so more of their effort can be concentrated on meeting the ever-increasing requirements on innovation, marketing time and cost reduction, and quality assurance. Your staff will gain better understanding of complicated physical phenomena which results in significant reduction in costly trial and error experiments.

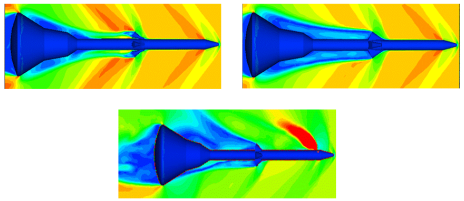
We have extensive computational capabilities using state-of-the-art commercial, public domain, and in-house simulation software. Our CFD services include:

- CAD & Meshing
- Aero & fluid dynamics analysis
- Heat transfer analysis
- Aeroacoustic analysis
- Design optimization

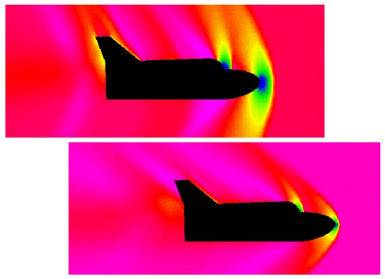
**Few examples of our past projects:**



Supersonic aircraft sonic boom analysis



CFD support for CEV- Orion Program



CFD support of Space taxi

# CFD Training

CFD is a powerful tool. It provides insight into complex flow problems. It enhances design process by eliminating trial and errors from the process and answering what-if questions. Yet, using CFD can be complex, time consuming, tedious, and expensive if not done right.

We provide CFD training that is right for you. Each of our courses can be customized to your specific needs. Our clients range from engineers who have past experience using CFD to managers with no fluid dynamics background who seek to harness the power of CFD.

Our courses are taught in both traditional and E-learning formats. Traditional courses are taught in our facility or be arranged to be taught in yours. We also offer convenient and cost-effective E-learning courses.

Courses offered by InfoMec include:

- Essential of Fluid Dynamics for CFD
- Introduction to CFD
- Elements of CFD for Practicing Engineers
- Advanced CFD
- Practice of CFD for Mission Critical Facilities
- CFD use for HVAC Applications