



## Galley News You Can Use

### The Many Benefits of CFD Analysis

CFD (Computational Fluid Dynamics) is a synergistic part of EBDG's design toolkit. We apply its cutting edge capabilities to both new-build vessel designs and existing structures, and to perform overall hull optimization, which reduces resistance and creates significant fuel savings. CFD can also be used as an alternative or precursor to costly model basin testing.

With access to high power computer resources, and development of in-house tools and procedures, we can affordably perform advanced analysis with speed and accuracy.

We have applied CFD both as an alternative and as a complement to physical model testing, saving our clients substantial time and money. EBDG's CFD analysis has guided both the physical design as well as the operating conditions of vessels to obtain improved fuel economy for operators.

CFD is a powerful complement to EBDG's finite element analysis services, offering additional analysis capabilities to solve our customer's toughest challenges.

### Our CFD Experience

**Alaska Class Ferry Hull Surface Model**

Client: Alaska Marine Highway System

**OLYMPIC SPIRIT Forensic CFD Analysis**

Client: Harley Marine Services

**New Vehicle Passenger Ferry Design**

Client: Woods Hole, Martha's Vineyard and Nantucket Steamship Authority

And many more...

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Learn how EBDG applies the advanced capabilities of CFD to solve our customer's toughest challenges. Contact us today.