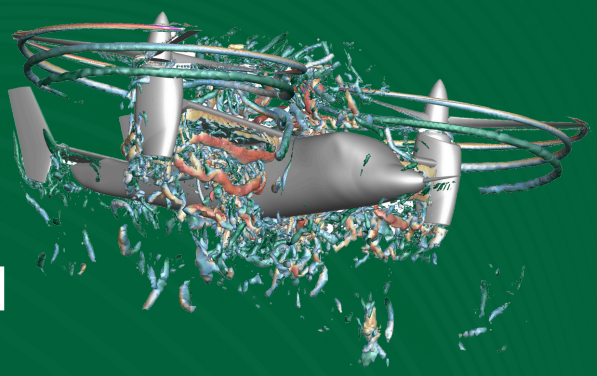
FLEXCOMPUTE

SOLUTION BRIEF

FLOW360

HIGH-FIDELITY, GPU-NATIVE CFD SIMULATION PLATFORM



TRUSTED BY TOP COMPANIES WORLDWIDE:

Joby · BETA FLIGHT RECHARGED · REGENT · DUFOUR AEROSPACE · ELECTRA · NIO

BENEFITS

Ultra fast
10-100x faster than open source and competitor tools

Multi-fidelity capability
Choose the perfect balance between speed and cost with a combination of RANS, DDES and LES

First-class support
Same-day support and guidance from our CFD experts

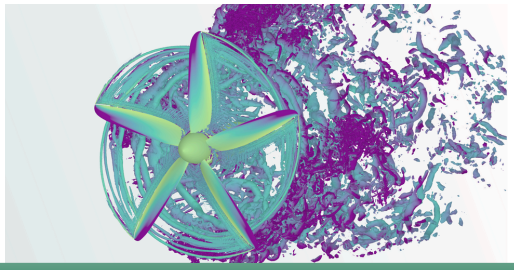
Multi-physics prediction
Aerodynamic & Aeroacoustic, and Thermal simulations in one tool

End-to-end workflow
Easily integrate with existing CAD/CAE systems across geometry, mesh, simulation and post-processing

Rotor modeling
BET Disk, BET Line and Resolved-Blade options for propeller modeling

USE CASES

DUFOUR AEROSPACE — Evaluates flow field visualization for airplane pitching (q-criterion)



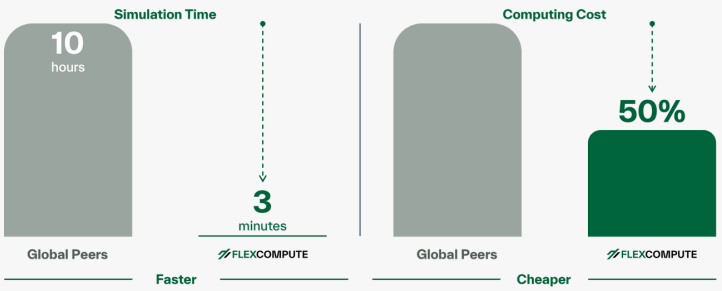
Joby — Evaluates scalable multi-fidelity acoustic simulations delivering precise noise predictions matching experimental results within a few dB

APPLICATION AREAS

- Aviation
- Automotive
- Defense
- Energy
- eVTOL
- Heavy Trucking
- Power Generation
- Space
- Unmanned Aerial Vehicle (UAV)

PERFORMANCE

100X faster at a lower cost



More accurate, stable, and easier to use

FLEXCOMPUTE | FLOW360

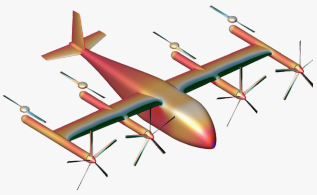
Make Hardware Innovation As Easy As Software Through Physics Intelligence

MOST-TRUSTED GPU-NATIVE ADVANCED AVIATION CFD

TRUSTED BY 7 OUT OF 10 TOP-RANKED eVTOL COMPANIES[1]

OPTIMIZED FOR eVTOL

The Most Complete eVTOL Design Suite



We save eVTOL customers

6-9 MONTHS

in aerodatabase development, accelerating design cycles, reducing costs by tens of millions, and delivering

100X *return on investment.*

- Optimize aerospace design evaluations, accelerate aerodatabase development, and reduce time-to-market while ensuring compliance with key requirements.
- Traditional CFD tools often suffer from slow computations and resource inefficiencies, delaying decisions and increasing costs. Flow360 helps innovators accelerate their design-to-market process.

TESTIMONIALS

FLOW360 REDUCED JOBY'S AERODYNAMIC SIMULATION TURNAROUND TIME 60%

"Flow 360 is incredibly fast, much quicker than traditional tools we've used. For example, acoustic computations are typically time-intensive, but Flow 360 significantly reduces this time, making it an ideal choice for early R&D exploration. Flow 360 has transformed our R&D process. The solver's speed and robustness allow us to quickly explore and iterate designs, saving us both time and money. The comprehensive workflow from pre-proccessing to post processing is unmatched."

-Gregor Veble Mikić, Head of Flight Research & Flight Physics, Joby Aviation

Joby

jetzero

Redefines aerospace efficiency and sustainability by developing ultra-efficient blended wing body airplane, leveraging Flow360 powered by NVIDIA's Blackwell to optimize designs

REGENT

"Flow360 gives us access to state-of-the-art results, without the overhead."

ELECTRA

Finalized an initial aircraft design in three months

Learn More

1 Source: IEEE 2024

ABOUT FLEXCOMPUTE

At Flexcompute, innovation is not just a principle—it's the foundation of everything we do. Born from the minds of engineers at MIT and Stanford, we push the boundaries of what's possible in simulation technology. With our GPU-native technology, seamlessly integrated into existing workflows, we enable teams to innovate faster, reduce costs, and minimize risks—bringing better products to market in less time. Our mission goes beyond transforming the products we help bring to life—we aim to inspire and fuel the next generation of engineers who will design them by making hardware development as easy as software.

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