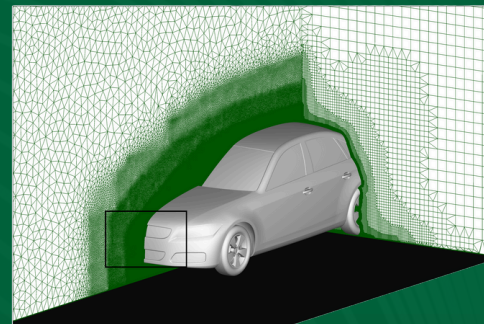
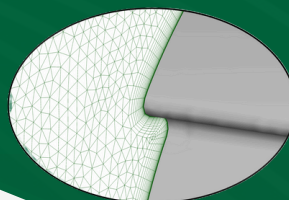
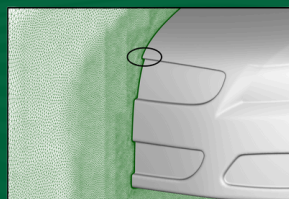


ACCELERATING VOLUME MESHING



Reduce meshing time from

HOURS to MINUTES

• COMPLETE 60 MILLION MESH NODES IN 20 MINUTES OR LESS •

INDUSTRY CHALLENGE

Traditional meshing takes 5-10 hours, creating bottlenecks and delaying simulations. The manufacturing industry needs meshing time decreased to minutes for faster project turnarounds and decreased time to production.

A NEW EXPERIENCE

Flow360 revolutionizes volume meshing reducing time from hours to minutes. Our automated, solver-integrated solution eliminates the need for third-party tools, reducing costs and complexity. Flexcompute's Flow360 solver is 100X faster than competitors, setting new performance standards. Our volume meshing capabilities seamlessly integrate with your workflow to deliver high-performance simulations for unmatched innovation. We have industry-leading speed today, and our vision is to dramatically reduce end-to-end time for our customers.

BENEFITS



Speed

Faster than traditional aviation meshing tools



Symmetry & Farfield

Boundary layer imprinting and user-defined farfield generation.



Boundary Layer Control

Automated growth to isotropy with user-defined first layer thickness and growth rate



Scalable Performance

Handles large meshes easily (up to 1B nodes)
Memory efficient and robust to handle larger aerospace meshes with no issues



Volume Refinement Zones

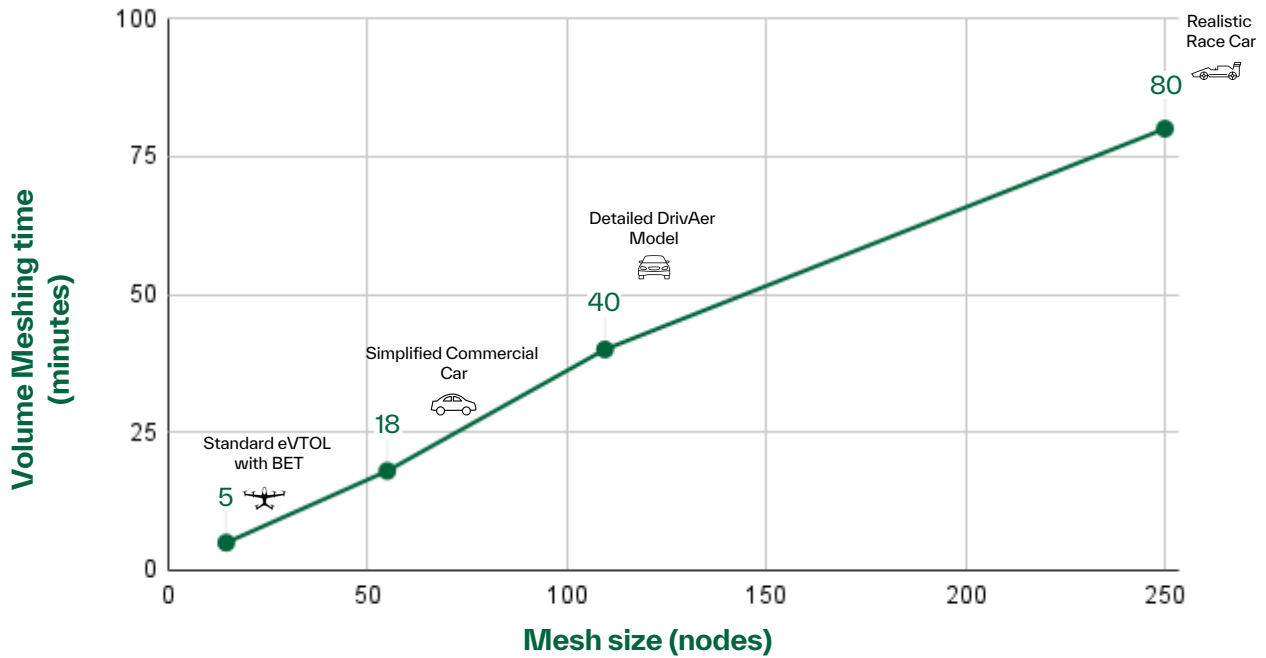
Box, cylindrical, and offset distance-based refinements



Multi-zone support

For cylindrical rotating zones and rotor disks, rotational interface and MRF

RUNTIME DATA



2025 ROADMAP

CUSTOMER RESULTS

Q3

Geometry AI integration

Q4

GPU-based mesher:
for 10x faster performance

2026 Q1

Solution adaptive meshing

NIO Transforms Aerodynamic Optimization For Electric Vehicles Using Flow360

"What used to take hours or days to solve is now done in minutes. Flow360 is becoming an integral part of our future product development plans."

—Danilo Teobaldi, Principal Chief Engineer



Flow360 is the innovator's choice.

Ready to get started?

Speak with an expert today:

[Flexcompute.com/Flow360/contact](https://flexcompute.com/Flow360/contact)



Mike Park, PhD
Senior Scientist



Savithru Jayasinghe, PhD
Senior Scientist



Chaitanya Talnikar, PhD
Senior Scientist

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. We foster a spirit of constant exploration, experimentation, and collaboration to create solutions that redefine the future of product design. 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.