

Aerospace Design

Maplesoft Engineering Solutions

Reduce Development Risk. Create Better Products. Get to Market Faster.

When designing aerospace systems, engineers must take into account numerous competing factors and complex relationships between components, while also dealing with increasing time and cost pressures.

Maplesoft can help. Maplesoft Engineering Solutions provide you with the expertise and tools you need to reduce development risk and bring high-quality products to market faster.

Maplesoft Engineering Solutions include:

- System-level validation of aerospace systems:
 - » Propulsion
 - » Landing gear
 - » Guidance and navigation systems
- Optimized model code for in-the-loop simulations
- Analysis and design calculation tools
- Model predictive control

Past aerospace design projects and applications include:

- Test platform for planetary exploration rover
- Gimbal mechanism for a tracking radar, using inverse kinematics
- Aircraft landing gear
- Aircraft aerodynamics

Talk to a **Maplesoft Engineering Solutions expert** to learn how we can help you with your design projects.

Products

Develop system-level models with **MapleSim** and **Maple**, and dramatically reduce model development time, gain greater insight into system behavior, and produce fast, high-fidelity simulations.



Services

With expertise in a variety of engineering fields and extensive experience in model-based design, **Maplesoft experts** are available to help you solve your engineering design problems.

