

Altair Solution for Land and Air Mobility (LAM)

Product Brief

- + Unified Modeling and Simulation platform for component to system level vehicle dynamics with drive events, terrain modeling, drive controls, Powertrain, Hydraulics, and Electrical system representation
- + Complete Vehicle Dynamics Library
- + Kinematics & Compliance Testing, Load cascading studies
- + Linear and NL flex bodies for Fatigue and Durability Studies
- + Analytical Soft Soil Model to detailed terrain modeling using DEM with soft tires
- + Wheeled and Tracked vehicle tool kits

Altair Differentiators

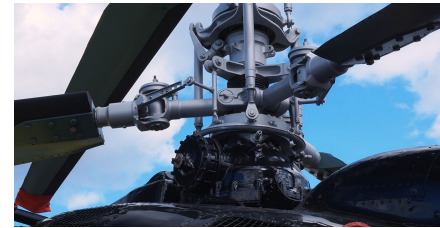
- + Model-based systems integration enabling handling complexity, facilitating collaboration, managing costs and makes Digital Twin possible
- + romAI – Bringing system modeling and machine learning together for system identification and reduced order models of complex systems
- + Open-architecture solutions enables to connect and leverage in-house developed tool and processes
- + Platform accessible through a single unit-based license model giving full access to all technologies within the tool chain.

DoD/Federal/Industry Customers Include

- + USG Ground vehicle agencies
- + Land vehicle Defense Prime contractors
- + Aerospace Defense Prime contractors
- + US National Laboratories
- + European Land vehicle Defense Prime contractors
- + European Aerospace Defense Prime contractors

DoD Problems Solved

- + Off-Road Mobility of Wheeled & tracked Ground Vehicles
- + Output from mobility simulation for downstream NRMM studies
- + Landing gear, Helicopter propellor
- + General Kinematics studies of moving systems





Interested in Learning More?

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