

RAMSIS

OPERATIONAL VEHICLES

Design better vehicles – faster

When machines become workplaces, ergonomics make all the difference. RAMSIS helps you create operational vehicles that are safe, comfortable, and compliant.

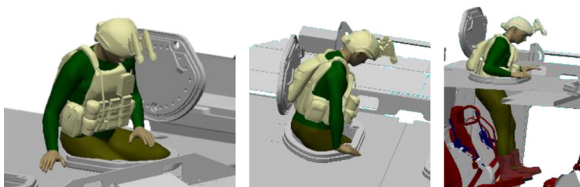
With virtual human simulation and global anthropometric data, RAMSIS enables your team to optimize reachability, visibility, and operability from the earliest design stages.

Do these challenges sound familiar?

- » Occupants wear bulky gear
- » Equipment reduces usable space
- » Limited range of motion

What RAMSIS delivers

- » Realistic 3D manikins with posture, movement, reach, and field-of-view analysis
- » Automatic posture prediction and virtual test collectives
- » Ergonomic assessments for controls, comfort ingress/egress and force capability
- » Support for international populations with adjustable anthropometric parameters
- » Integration in CAD platforms like Catia, NX, and 3DEXPERIENCE



Equipment Library

- » Realistic 3D models of helmets, vests, boots,...
- » Automatic fitting to manikin shapes
- » Equipment affects posture and flexibility

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Your benefits

- » Accurate prediction of required space
- » Reduce physical testing, development time, cost, and error-prone late changes
- » Optimize realistic visibility, reach, and posture from concept phase onward
- » Improve vehicle operability, safety, and maintenance accessibility
- » Transfer studies across multiple vehicle types and designs



Trusted by

KNDS, IABG, WTD 41 & 61, German Armed Forces, Daimler LKW, MAN, Luxembourg Army, Swiss Armed Forces,...

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