

RAMSIS INDUSTRIAL VEHICLES

ERGONOMIC EXCELLENCE FOR
HEAVY-DUTY MACHINES

When machines become workplaces, ergonomics make all the difference. RAMSIS helps you create industrial vehicle cabins that are safe, comfortable, and compliant – while boosting driver performance and satisfaction.

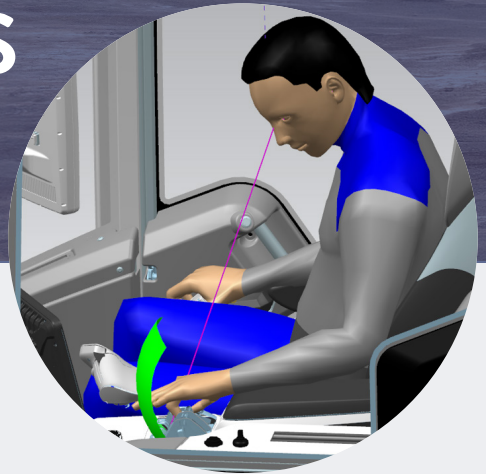
With virtual human simulation and global anthropometric data, RAMSIS enables your team to optimize reachability, visibility, and operability from the earliest design stages.

Do these challenges sound familiar?

- » Cabins are designed without enough ergonomic validation in early phases
- » Safety, comfort, and operability often conflict in compact vehicle interiors
- » Late-stage changes due to poor driver reach or visibility increase costs
- » Global market requirements for ergonomics vary widely

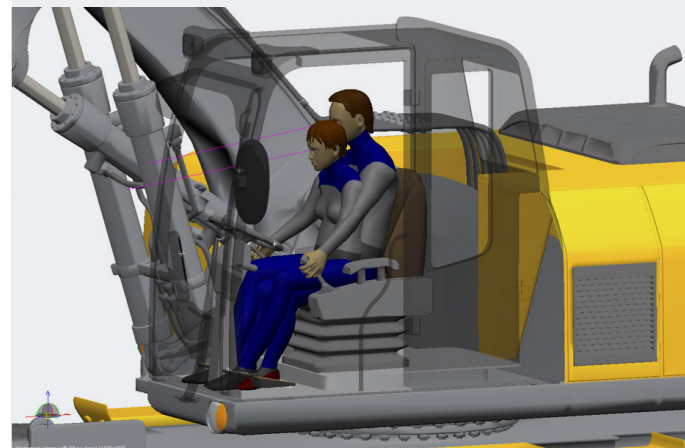
What RAMSIS delivers

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



Your benefits

- » Reduce development time, cost, and error-prone late changes
- » Optimize visibility, reach, and posture from concept phase onward
- » Improve vehicle operability, safety, and maintenance accessibility
- » Ensure compliance with global ergonomic standards
- » Transfer studies across multiple vehicle types and designs



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