



SoldierSim™

DIGITAL HUMAN ENGINEERING PLATFORM

CONFIGURE.
SIMULATE.
ANALYZE. DECIDE.

Physics-based predictive simulation that enables better equipment, reduces risk, and optimizes human performance.



SCIENCE. PREDICTION. PERFORMANCE.



Physics-Based
Predictive
Dynamics



Scientifically
Validated
23+ Years



Realistic Human
Models &
Anthropometry



Quantitative
Engineering
Insights

Better Engineering. Stronger Soldiers.

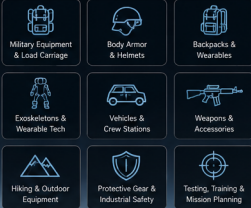
POWERFUL. INTEGRATED. INTUITIVE.



ENGINEERING INSIGHTS THAT MATTER



SOLUTIONS FOR THOSE WHO
DESIGN, EQUIP & PROTECT



PROVEN BENEFITS

- ✓ Reduce physical prototypes
- ✓ Accelerate product development
- ✓ Improve equipment performance
- ✓ Reduce engineering risk
- ✓ Improve safety & effectiveness
- ✓ Support data-driven decisions
- ✓ Reduce testing costs
- ✓ Shorten acquisition timelines
- ✓ Improve mission readiness



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POWERFUL TOOLS. COMPLETE FLEXIBILITY.



CONFIGURE DIGITAL HUMANS

Select from a wide range of anthropometries and strength profiles.



IMPORT & BUILD EQUIPMENT

Import CAD equipment in minutes or choose from an extensive equipment library.



CREATE SCENARIOS & TASKS

Build operational scenarios with tasks like walking, climbing, lifting, or carrying loads.



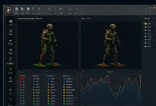
PHYSICS-BASED SIMULATION

Predict human response using predictive dynamics, biomechanics, physiology, and environmental effects.



ANALYZE & COMPARE

Visualize results with advanced analytics and compare design options side-by-side.



PREDICT HUMAN PERFORMANCE. REDUCE RISK. MAKE BETTER DECISIONS.



REALISTIC POSTURES



LOAD CARRIAGE & BALANCE



PHYSIOLOGY & FATIGUE



ENVIRONMENTAL EFFECTS



INJURY RISK INDICATORS



TASK EXAMPLES



ONE PLATFORM. ENDLESS APPLICATIONS.

ACTIONABLE OUTPUTS. ENGINEERING INSIGHTS.



AUTOMATED REPORTS



ENGINEERING METRICS



VISUALIZATIONS & CHARTS



EXPORT DATA & PDF



SCIENTIFICALLY VALIDATED. FIELD PROVEN.



ABOUT IHUMAN TECHNOLOGY CORPORATION

iHuman Technology develops advanced Digital Human Engineering solutions that help organizations design better equipment, reduce risk, and improve human performance through science and predictive engineering.



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BETTER ENGINEERING. STRONGER SOLDIERS.



USED BY THE
US MILITARY



USED BY THE
SINGAPORE MILITARY



USED BY THE
UK MILITARY