

Santos® Pro

A Comprehensive Environment for Virtual Human-in-the-Loop Product Design & Analysis

The **Santos® Pro** environment provides access to the only comprehensive approach to predicting human performance at a level of fidelity required for truly human-centric virtual design. Reduction in propensity for injury for any activity; patient specific optimization of physical therapy and rehabilitation; patient specific virtual prosthetic prototyping; activity

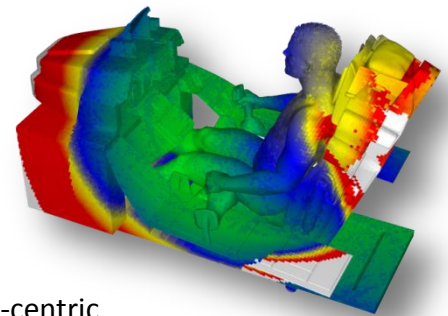
specific optimization of training for maximum performance (athletes, warfighters, manual labor, etc.); as well as a truly human-centric design process which will significantly benefit the bottom line of almost every industry. These are all areas where Santos® technologies can be deployed.



The technologies available within **Santos® Pro** continue to be developed and refined

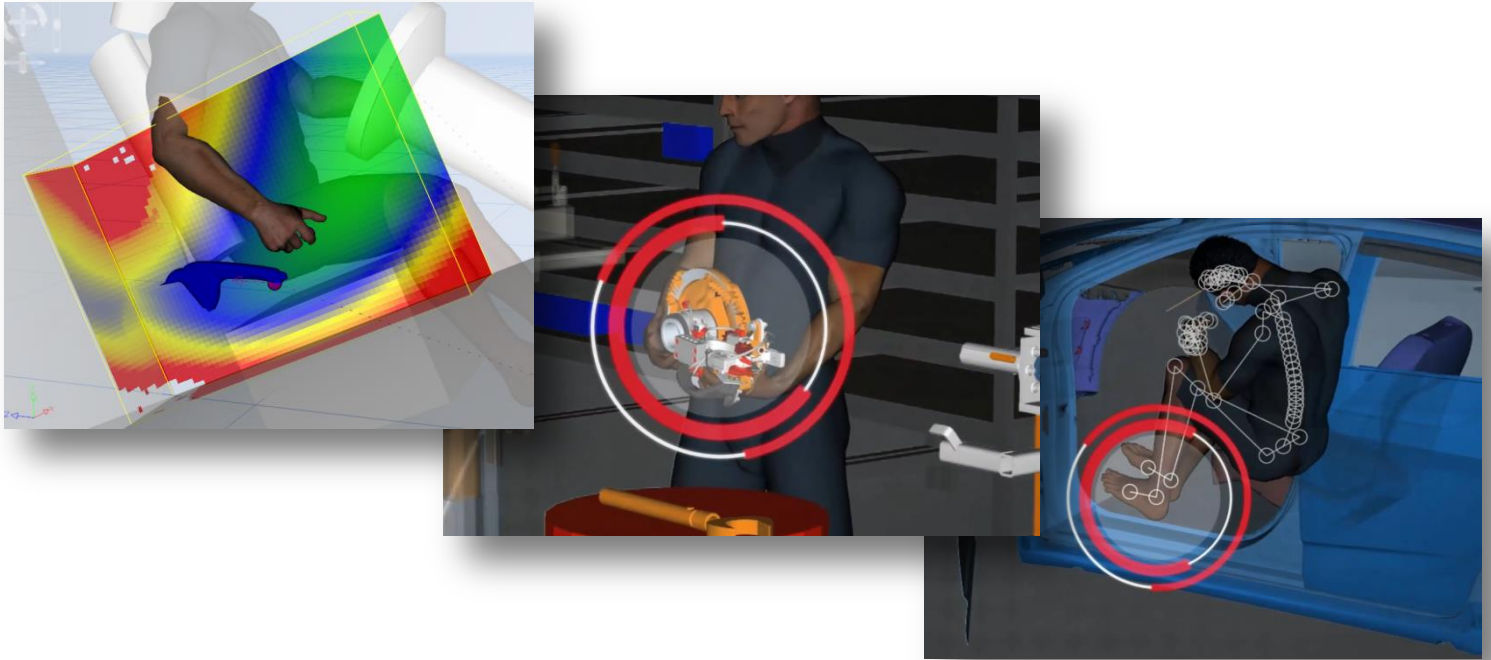
since 2003 and include optimization-based, 1st principles approaches to predicting human performance without the need for prerecorded data, while at the same time considering strength, fatigue, range of motion, external forces, and grasp requirements as well as obstacle, self, and vision occlusion avoidance.

Santos® Pro isn't just a product we sell. **Santos® Pro** is the highly flexible platform within which all Santos®-related research and development occurs and is the product used by all SantosHuman Inc. (SHI) production staff.



Santos® Pro is designed to provide solutions to any virtual human-centric product testing scenario including:

- Assessment of consumer packaging designs via state-of-the-art, predictive grasp capabilities
- Identification of opportunities to reduce propensity of risk of injury for assembly line operators using a comprehensive suite of ergonomics and human factors analysis capabilities
- System-level design analysis of cab-based work spaces for heavy construction equipment operators
- Trade-off analysis to address potential occupant issues in the next generation of Aerospace vehicles



	All Santos® Technologies Developed Since 2003 including a Comprehensive Suite of Literature and Physics-based Analysis Capabilities	Santos® Technologies Developed Specifically for Warfighter Equipment Configuration Management	A Basic Santos® Predictive Model that can assess the % of a population capable of performing a task at an easily affordable price	Provide Application Developers with a key Santos® Predictive Model for Human Simulation	Augment WorldViz Vizard with a key Santos® Predictive Model for Human Simulation
Santos® Pro	✓	✓			
Santos® ETOWL			✓		
Santos® Lite				✓	
Santos® PMP SDK					✓
Santos® PMV					✓

SHI's success is tied directly to our clients' success and **Santos® Pro** represents yet another way in which we strive to match our state of the art, human-centric, virtual product design and analysis methods, technologies, and resources with client requirements.