

Santos® BPMPB SDK

Add Santos® to any Application

Santos® predictive models are the only physics-based human models capable of predicting human physical behavior and performance without 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. In addition, Santos® predictive models are the only 1st principles-based human models that respond to physics-based cause and effect. In other words, when conditions change, Santos® predictive models provide the ability for a virtual human

character to react both visually and quantitatively. Whether it is to virtually assess equipment configuration management or to virtually assess propensity for risk of injury for an operator in an automotive assembly line, Santos® predictive models provide the ability to simulate operating conditions, identify safety concerns, and allow trade-off analyses to be conducted.



The Santos® Basic Predictive Model for

Physical Behavior Software Development Kit (Santos® BPMPB SDK) provides developers with access to a key Santos® technology used in all SantosHuman Inc. (SHI) products. With the **Santos® BPMPB SDK** any digital human character can be augmented with a highly realistic, biomechanical model that can be used to predict and assess human function, task performance measures, and ergonomic analysis.

	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® BPMPB SDK				✓	✓
Santos® PMV					✓

SHI's success is tied directly to our clients' success and the **Santos® BPMPB SDK** 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.