

RTID is a software add-on for Dassault Systemes Delmia™ V5. It enables interactive real-time simulation and digital human capabilities inside a virtual environment, while maintaining all basic functions.

The user can simulate assembly simulation with force feedback and human operation: Accessibility testing, Visibility study, Operator training, Ergonomic assessment, Workplace simulation, Collaboration work

#Virtual Reality #Ergonomic #Dassault

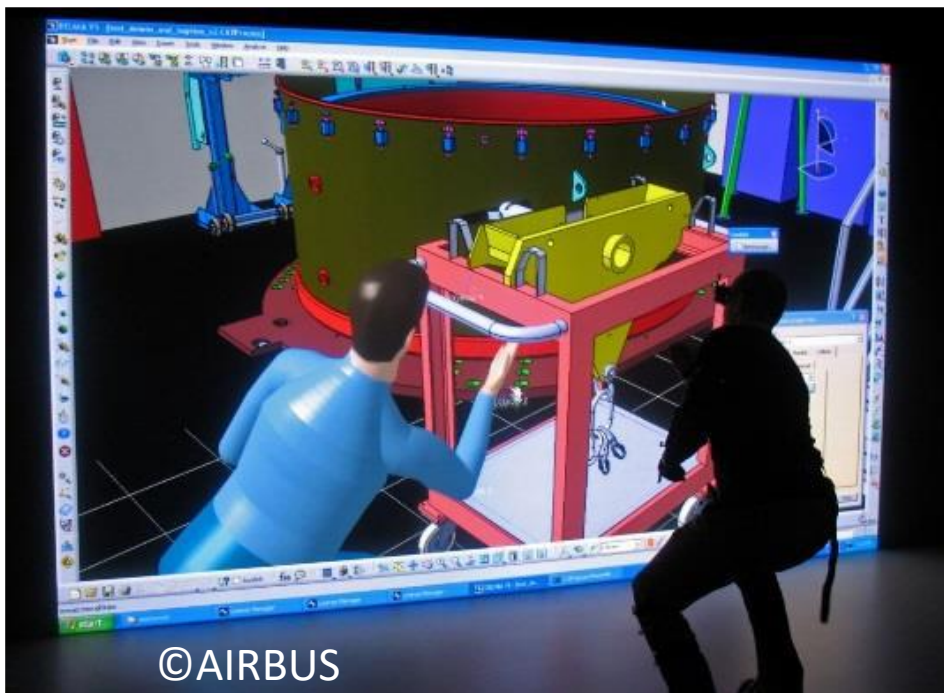


3D REAL-TIME INTERACTION AND SIMULATION

- ✓ Core : Realtime animation of part with collision detection
 - ✓ Simulation set-up: Easy control start, stop, resume
 - ✓ Realtime Animation of part with physics:
 - ✓ Create physics (selecting tool: working zone)
 - ✓ Animate and visualize clash in realtime
 - ✓ Support for haptic interface
 - ✓ Support weight
 - ✓ Create container
 - ✓ Manage the tolerance
 - ✓ Output record a track
 - ✓ Read Kin description, and animate the kinematic in realtime
- ✓ Human : Realtime Animation of full human with physics:
 - ✓ Scale operator motion, integrate manikin's kinematics
 - ✓ Easy calibration, and attach/detach manikin
 - ✓ View collisions points on contact points
 - ✓ Animate up to 4 manikins
 - ✓ Output: record a human task
- ✓ Supported devices:
 - ✓ Optical tracking system: ART, Vicon
 - ✓ Inertial system: Xsens
 - ✓ Force feedback: Haption's product Virtuose, Able, Inca6D
 - ✓ Glove: Manus, Cyberglove
 - ✓ 3d mouse: 3Dconnexion
 - ✓ On request input stream

TECHNICAL SPECIFICATION

PC Configuration	Dassault Systemes supported configuration, with minimum 32 G of RAM, quad-core, and dedicated Ethernet for the realtime input device
Supported Released	V5-6R2017 to V5-6R2021
PREREQUISITE	
Haption	1 license of IPSI Server
Dassault Systèmes	AP2 + MHB - MHT



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