REALTIME INTERACTION FOR DELMIA™

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

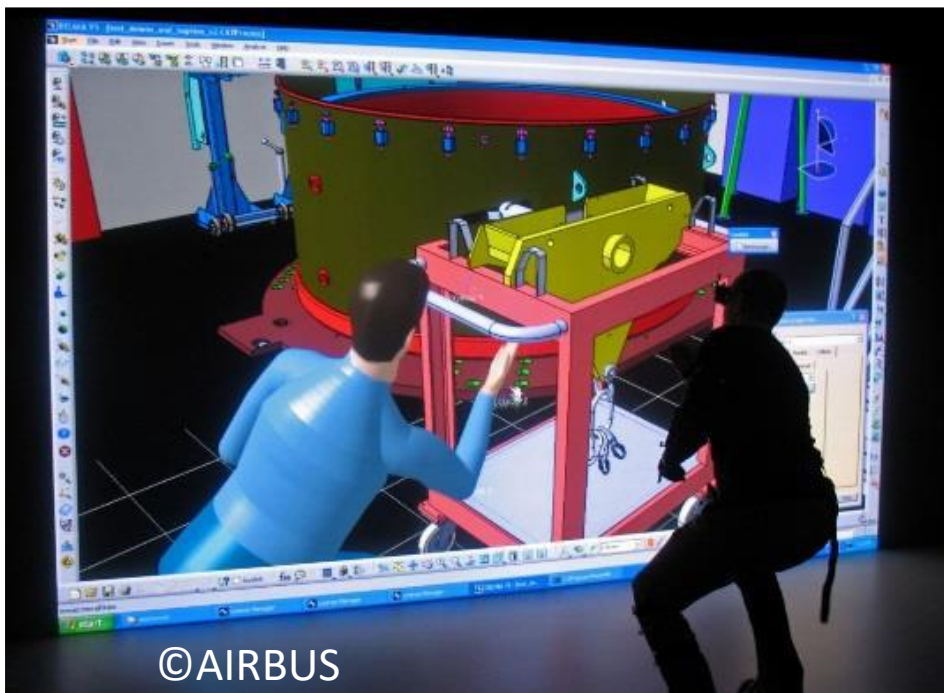**#Virtual Reality**   **#Ergonomic**   **#Dassault**

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
   ✔ 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	V5-6R2019 to V5-6R2025

PREREQUISITE

Haption	1 license of IPSI Server
Dassault Systèmes	AP2 + MHB - MHT

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2025