



***“...Supplier of force feedback
computer peripherals and
software solutions...”***



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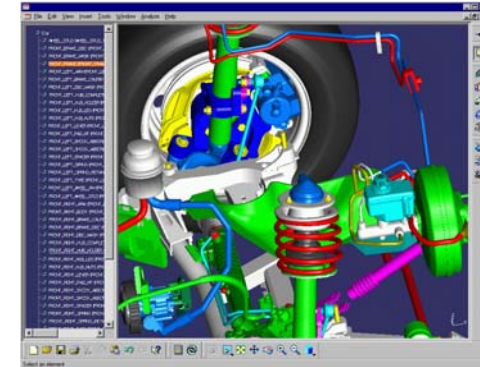


- Spin-off of CEA (French Nuclear Agency)
- Founded in 2001
- Number of People : 17
- Location : laval
- Offices: Germany, Canada
- Reseller : Japan, China, UK, South-America
- CAA Adapter : Partnership with Dassault



Applications of 6-dof force-feedback

- Engineering



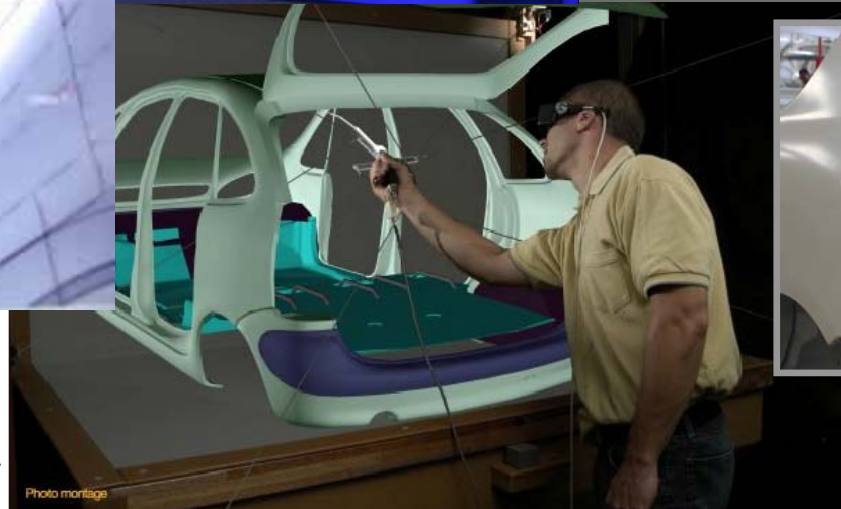
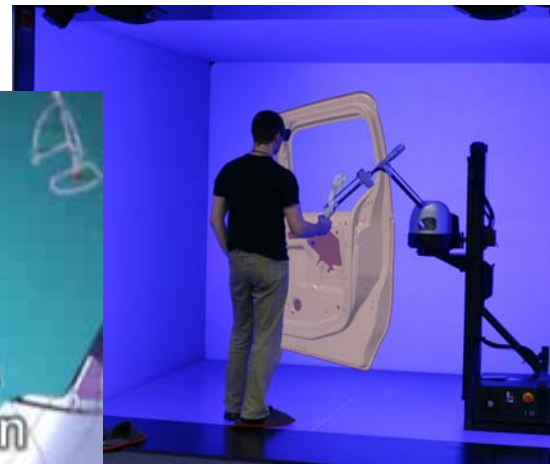
- Medical



- Other

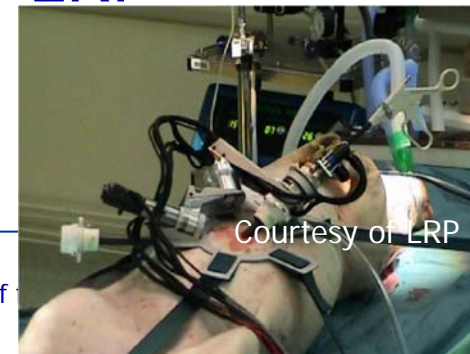
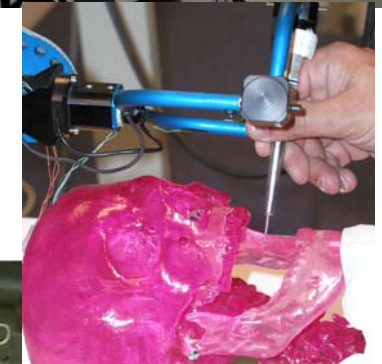
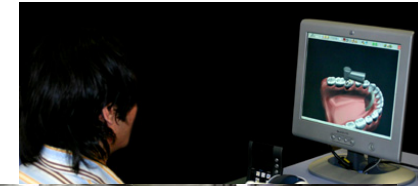


- Applications : Validation for Assembly, Disassembly, Ergonomic study, or maintenance method



Train, complement, supervise motor skills...

- Training simulator for dental surgery: DigiMed
- Rehabilitation: Kinehaptic for upper limbs
- Surgical assistance : Surgicobot
- Tele-surgery with force-feedback: LRP



Cogema: Dismantling of old nuclear facilities

Benefits of force-feedback:

Force control during operation.

Enhanced perception.

Monitoring of forces.

Full traceability.



- Hardware products:



Virtuose 6D40-40
Tele-operation



Virtuose 6D35-40
CAD/Virtual Reality



Virtuose 6DDesktop
CAD/Medical



INCA 3D & 6D
Virtual Reality

- Software solutions:
Catia V5 / Virtools / SolidWorks



Haption in the industry today : a reality!

- Automotive
 - PSA Peugeot Citroën
 - Renault
 - Volkswagen (D)
 - Toyota (JP)
- Aircraft
 - EADS/Airbus
 - Dassault Aviation
 - Lockheed Martin (US)

PSA PEUGEOT CITROËN



TOYOTA



- Academic:

- CEA
- CNRS
- INRIA
- INRS
- ENIT
- LAPS
- LIMSI
- LRP
- Evry University
- LMT
- IRCCYN
- Erlangen Univ (Germany)
- Beihang University (China)
- Ecole Polytechnic Milan (IT)





- Thanks for your attention
- Questions ?