MOEMS packaging in harsh environment

Objective

- define harsh environment conditions and requirements (aerospace, automotive, or industrial environment)
- define solutions to face harsh environment
- down scaling solution for MEMS

Partners involved

- CSL, Belgium
- BUTE, Hungary

Summary of results

- identification of harsh environment requirements
- determination of MOEMS failure modes in space environment: radiation damage on optical components, polymers and organic compounds
- build up a packaging method for MOEMS packaging

Offer to industry

- design for harsh environment

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Project status, date

Phase 1 Theoretical study
Phase 2 Experimental validation; to be completed by June 2006