

The Liège Space Centre (CSL), is a research centre of the Liège University developing and testing scientific space instrument.

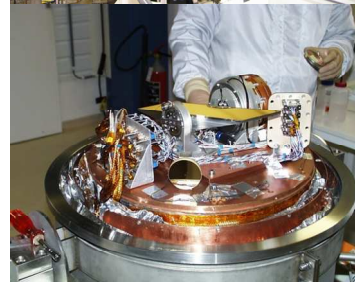
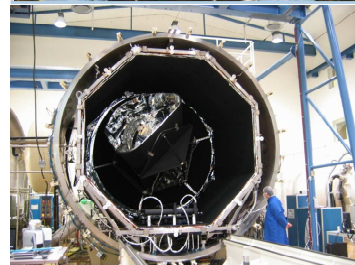
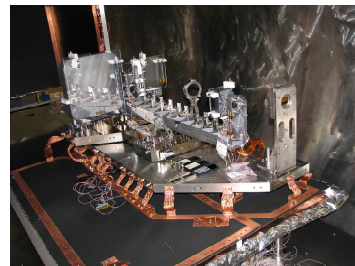
Since early 60's, CSL is developing space optical hardware for scientific instruments, covering the electro-magnetic field, from X-rays via far Infra-Red down to radio waves. As they are always original, improving scientific knowledge, CSL is used to face technological challenges.

This implies multi-disciplinary work from the translation of science requirements up to the delivery of a space qualified product, mostly within world-wide collaborations

Design and computations in optics, mechanics and thermal are performed either using commercial or in house tools, especially in low temperature science. After design, manufacturing, assembly and integration, testing is another main business.

CSL provides calibration facilities with controlled thermal environment from 4 to 523 and up to 1200 [K]. Technologies developed for these tests have been spread to space agencies all around the world. Metrology, optical calibration, surface treatment like coatings or micro-machining, and image processing mostly for radar interferometry are also part of CSL business.

With a certified product assurance / quality system, CSL expertise is fully applicable to fusion technology, as it covers vacuum, thermo-mechanics, cryogenics, optics, surface treatment and image processing. CSL was already involved in developments for JT60-SA Japanese Tokamak test facilities in the frame of the Broader Approach.



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