

Large Deployable Reflector Subsystems

LDRS for Earth Observation,
Telecommunication, Defence and Science

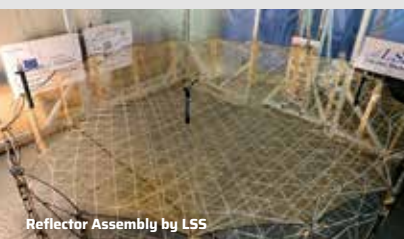


Driven by ESA technology & flight programs, HPS delivers, as consortium lead, complete deployable antenna-/reflector-subsystems. Most prominent example is the LDRS for the Copernicus CIMR Mission, developed together with our main partner and subcontractor LSS for the reflector assembly.

CIMR LDRS key characteristics are:

- 8 m deployable arm
- 8 m deployable reflector
- 0.3 mm RMS
- up to Ka-band applications
- gold plated Molybdenum mesh
- subsystem is rotating with 8 RPM
- direct customer: Thales Alenia Space, Italy.

WeLEA - the Consortium for the European Solution of LDRS:



Reflector Assembly by LSS



Contacts



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Flyer

Our subsystems comprise:

- System Engineering and Accommodation
- Reflector Assembly
- Arm Assembly
- HDRMs
- Thermal Hardware
- Feeds on demand
- Deployment Electronics
- Harness
- MGSE
- Zero-g Deployment Test
- Qualification.

Reflective Mesh as self-standing product:

- Continuous Mesh production by our Joint Venture HPtex (DE)
- Various Mesh densities available.
- Brand: Universal Space Mesh (USM)

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