



CIMR Satellite by ESA/TAS

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.

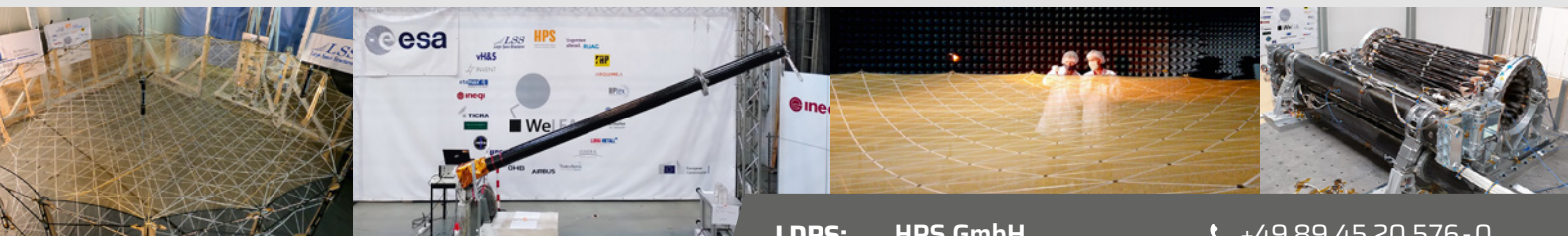
Our subsystems comprise:

- ▶ 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.

WeLEA - the Consortium for the European Solution of LDRS:



Contact



Homepage



Flyer

LDRS: HPS GmbH
Hofmannstr. 25-27
81379 Munich, Germany

+49 89 45 20 576-0
@ LDRS@hps-gmbh.com
www.hps-gmbh.com

Reflective Meshes:

@ contact@hptex.de