

Space Heritage

Rosetta
Mars Curiosity
Mars Scout Phoenix
Iridium & Iridium Next

Cassini-Huygens

Bepi Colombo

Hubble Telescope

Solar Orbiter

ExoMars

SARah

SAR-Lupe

Swiss Cube

TerraSAR-X

OPTOS

MASCOT

VIBNASS

CubeSat

APS Star Tracker

SHEFEX II

RAISE

ROKVISS

GLAST

Robonaut

DEXHAND

NASA

JPL

TESAT

DLR

Thales Alenia

Motorola

Astrofein

Innovative Solutions in Space

IWF Graz

Max Planck Inst.

Orbital Sciences

Ball Aerospace

Lockheed

SpaceX

Jena Optronik

Selex

Ruag

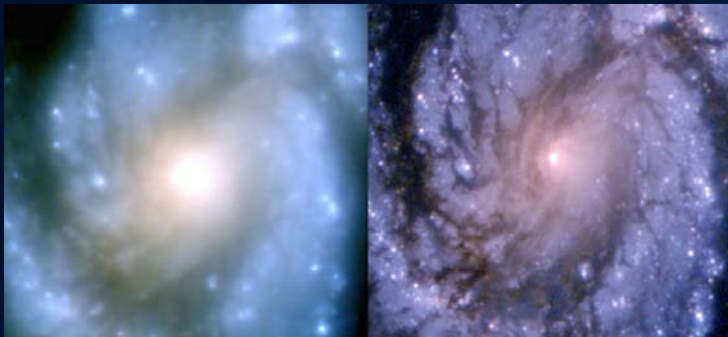
Hubble Telescope

Ball Aerospace

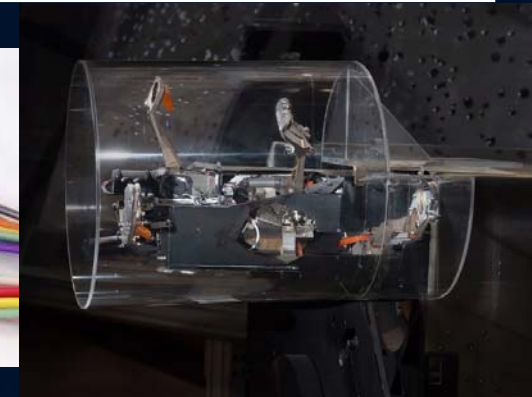
COSTAR 1993
(Corrective Optics Space Telescope Axial Replacement)

Deployable Mirrors, 10 optical elements, 12 motors
and 5,000 components

Omnetics Latching Micro Strips



Before and after Omnetics



Iridium

Motorola

1 satellite produced every 4.3 days

98 Satellites built, 95 Launched

1st Launch May 1997

- Each Satellite contains 18 Omnetics Assemblies
- 65 line Micro jumper
- With Kapton Flex Circuit
- Shipped 1,764 Assemblies



Iridium Next

Thales Alenia Space Orbital ATK

- 72 Satellite Constellation
- Launch Scheduled July 2016
- Bi-Lobe Nano-D connector
- Provided over 20,000 connectors



Mars Curiosity Rover

Landed March 6th 2012

- Over a dozen .64 mm pitch Omnetics Nano assemblies
- Miniature Inertial Measurement Units (MIMU)
- Jet Propulsion Labs
- Omnetics 2nd Mars Rover (Phoenix was 1st – Aug. 2007)



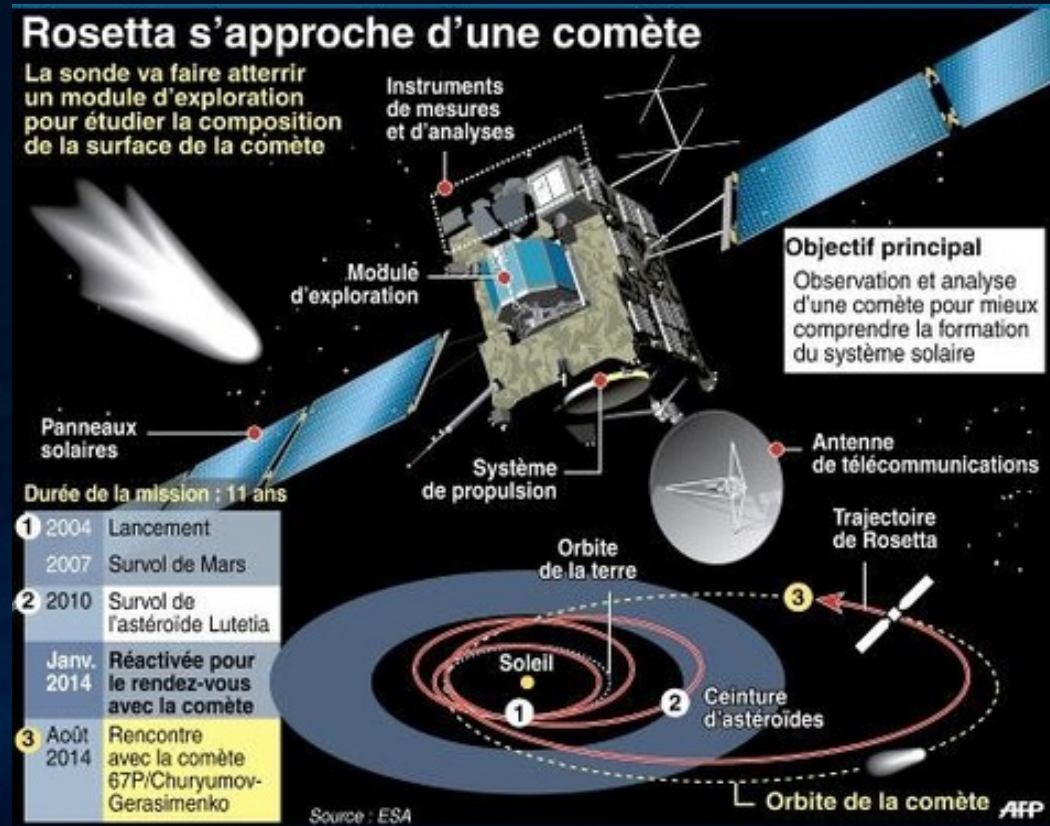
Rosetta

DLR Berlin

Comet Lander

High Definition Camera

Nano D assemblies



DEXHAND

- 13 harnesses per unit
- Hybrid Micro Nano
- Using Bi-Lobe Shell



DLR

Robotics and
Mechatronics Center

Space X - Falcon 9

Two Stage , partially Reusable launch system

- Using Omnetics
- 37 Position
- Latching Micro-D
- Pre-Wired with backshell

