

# SOURIAU

*Connection Technologies for the Space Industry*



## SOURIAU at a glance

- Global supplier of Interconnect Solutions for harsh environments
- Created in 1917 by Mr. Souriau
- Product and capabilities portfolio coming from:

**SOURIAU + JUPITER + BURNDY**

- Part of the Esterline corporation since July 2011
- Top-Tier position in our 4 end-markets

### Aeronautics (Civil & Military)



### Defense & Space



### Heavy Industries



### Industrial Equipment



# Space connectors Design, Qualification & Manufacturing - Marolles Business Unit



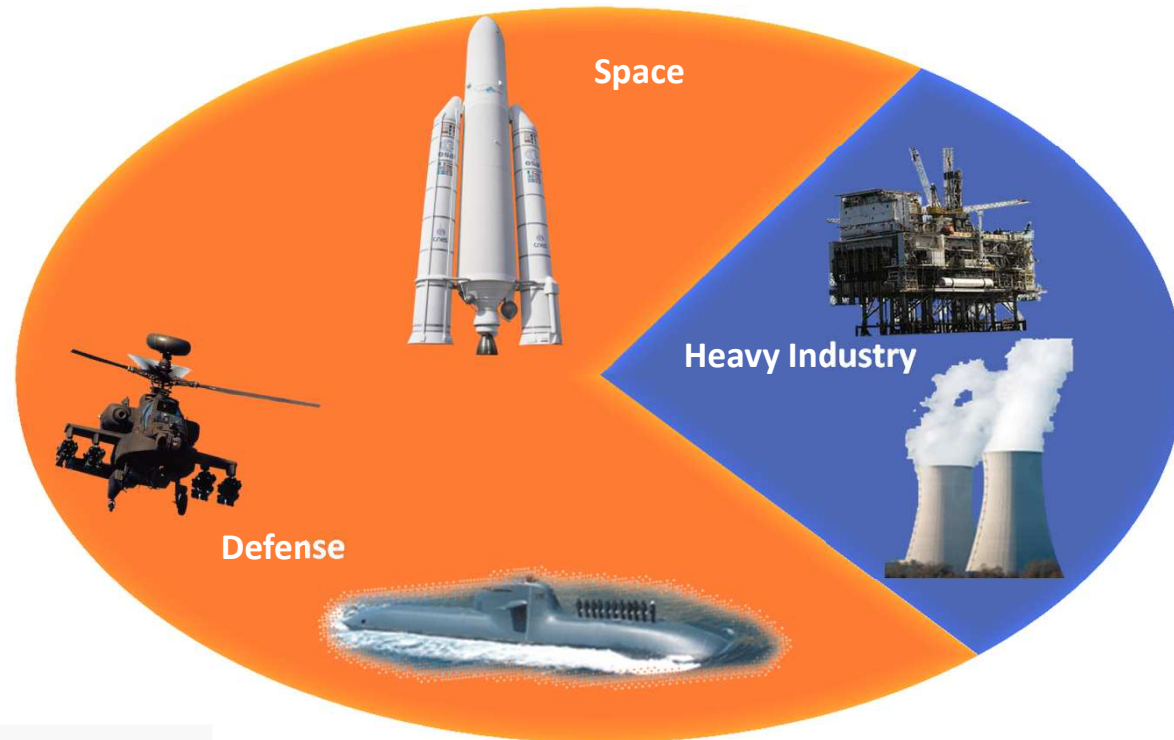


# SOURIAU Marolles BU – Key Facts



- ∞ Experts in complex interconnect systems
- ∞ Pioneer in umbilical connectors, EMI/RFI/Lightning protection, high reliability products for space, high pressure bulkheads for submarine, oil & gas industries...

- ∞ Vertically integrated machining & molding
- ∞ Complex Projects Management
- ∞ Test Laboratory
- ∞ 10,000 Class Clean Room
- ∞ EN 9100



# SOURIAU Product offer for the Space Industry

## Launchers



Electric umbilical



Pneumatic umbilical



8D8/8D9 Quick Release

## Satellites



microComp



D-Sub



38999 Series

## Scientific Missions



Rectangular robotic

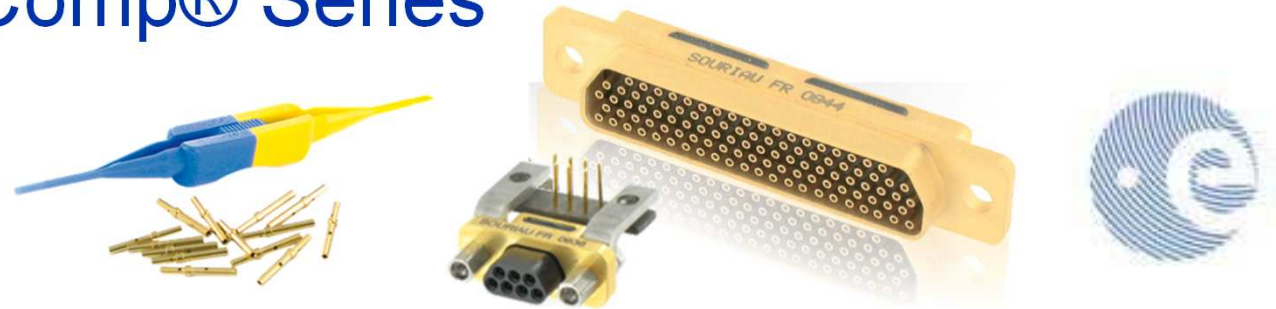


Circular robotic

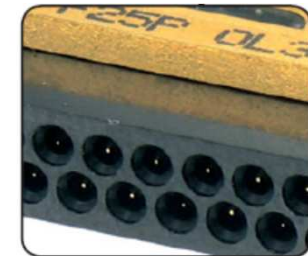


Astronaut operation

## The *microComp*® Series

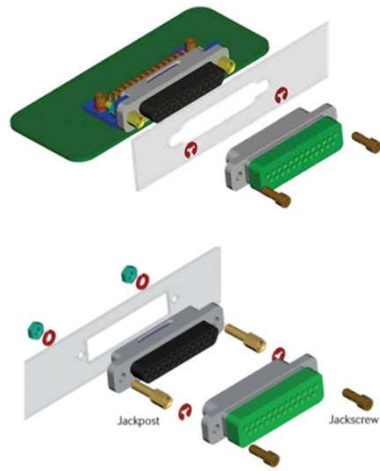


- ESCC Qualified
- Crimp removable contacts #26 → repairable harness
- Shell in composite → light and non magnetic
- Male contacts are protected → robust design
- Low mating/unmating force
- Non outgasing
- Layouts from 7 to 104 contacts



Male *microComp*® contacts protected by the insulator

# The *microComp*® in Space



- **Chang'e 1 Orbiter**
  - Satellite camera on China's Moon Probe, Launched in October 2007
  
- **TET-1**
  - I/O connections on the Small Satellite, LEO, 120 kg, Launched in July 2012
  
- **BIROS**
  - Second satellite of a two-satellite-constellation with TET-1, Launch in 2013
  
- **ExoMars 2016**
  - Onboard of the Landing Demonstrator Module, launch scheduled in January 2016, landing Autumn 2016

