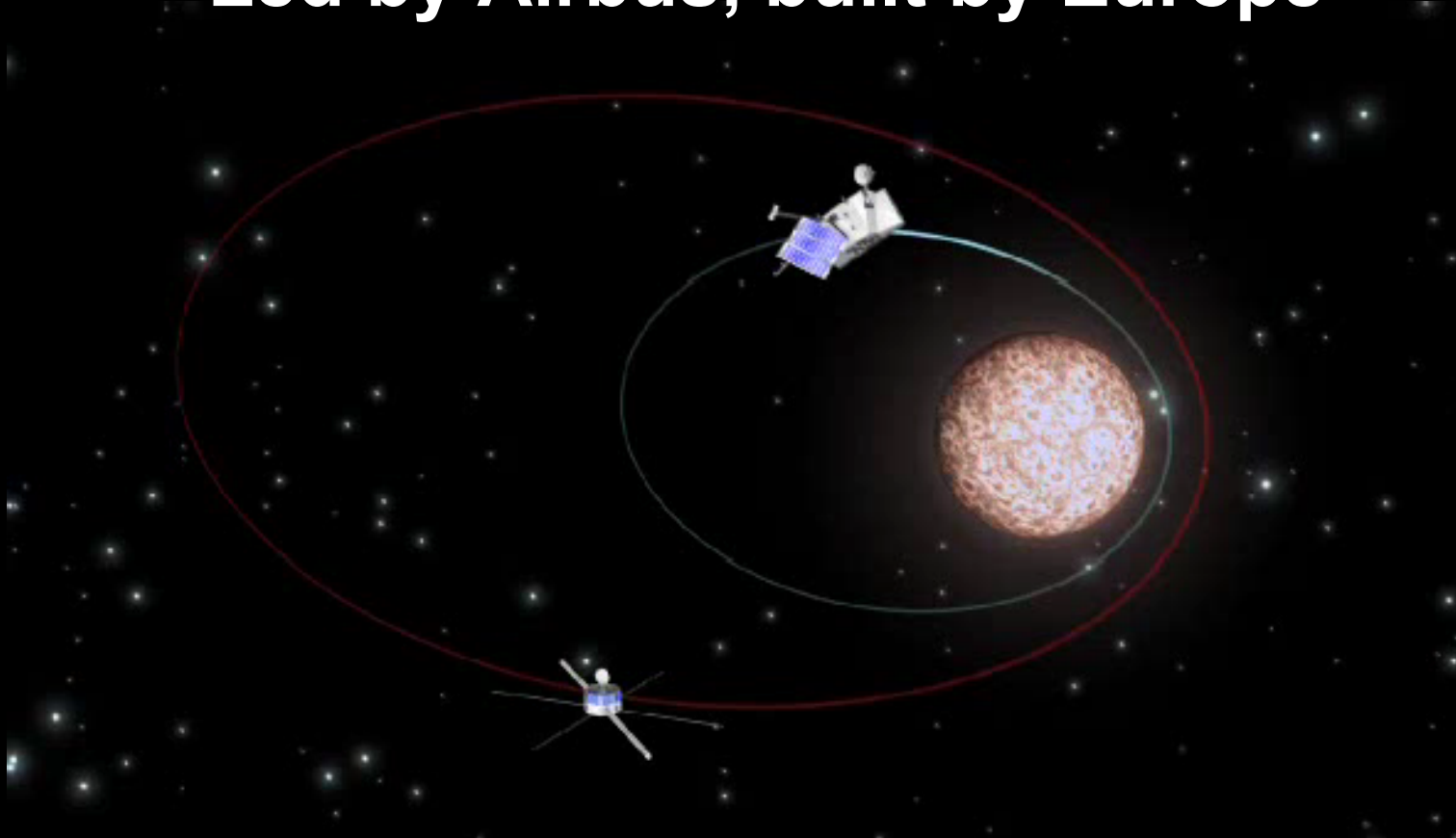


BepiColombo

Led by Airbus, built by Europe



DEFENCE AND SPACE

Mathilde Royer
6 July 2017

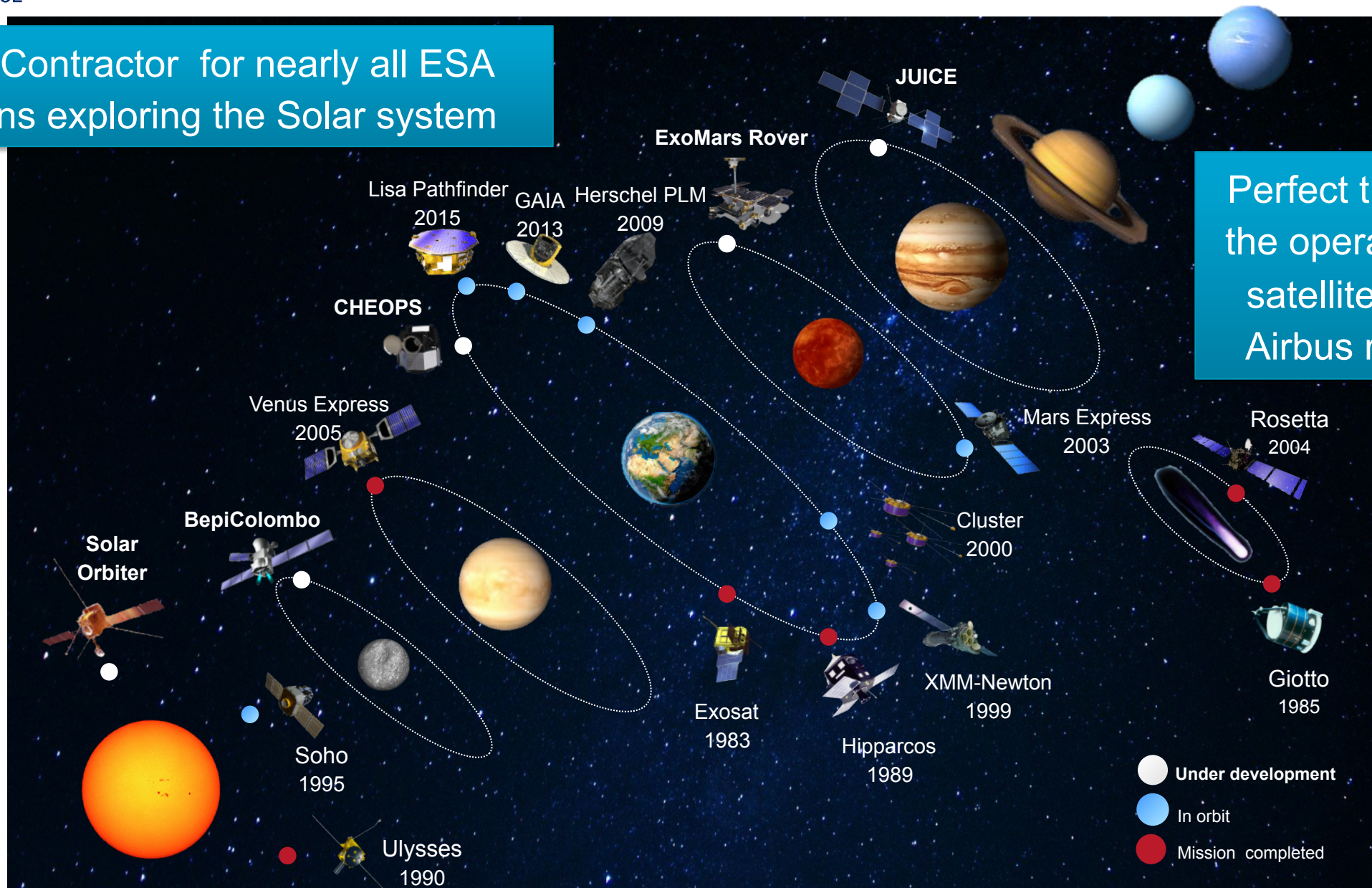
AIRBUS



Heritage for BepiColombo

E AND SPACE

Prime Contractor for nearly all ESA missions exploring the Solar system



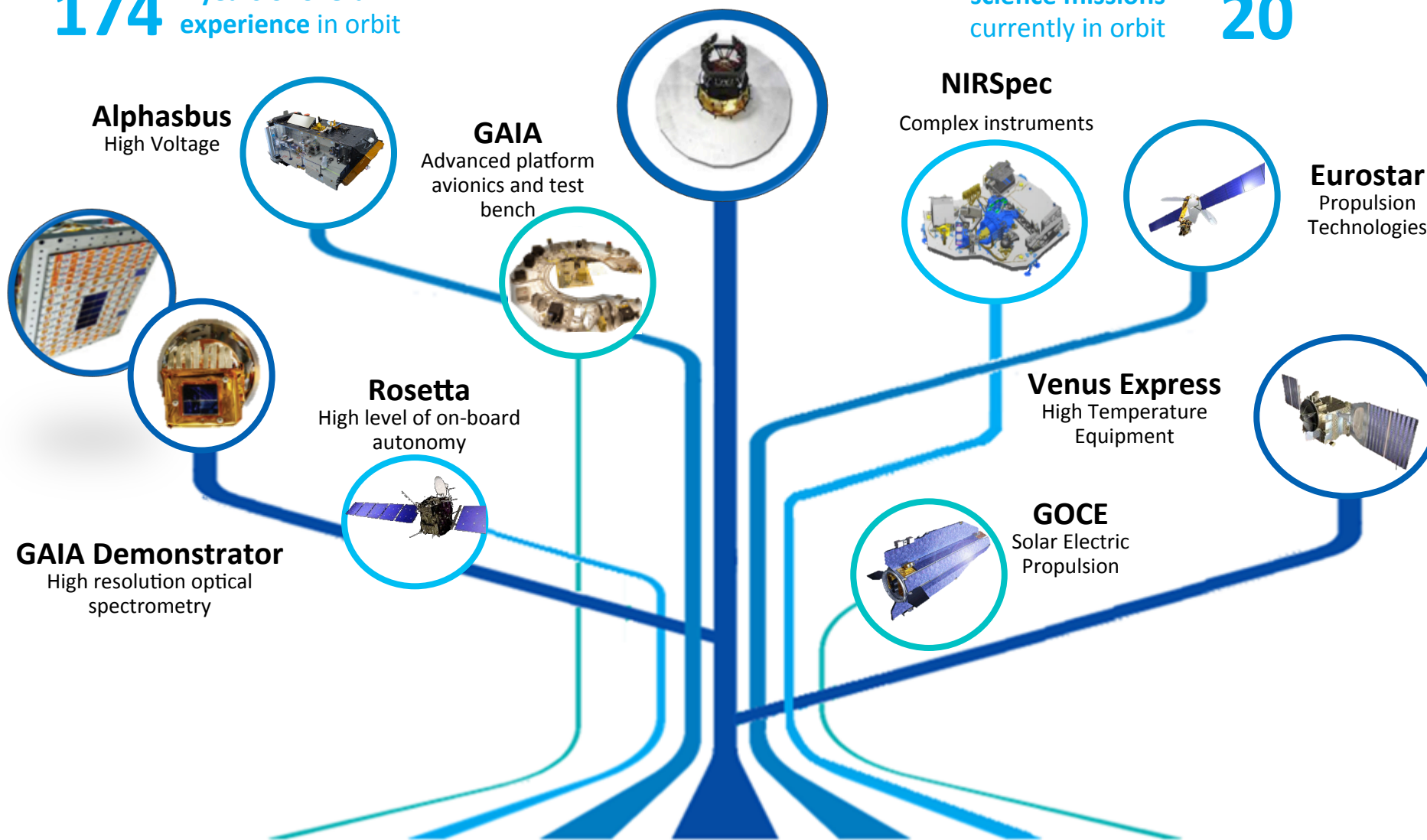
Perfect track record
the operating science
satellites built under
Airbus responsibility



174 years of overall
experience in orbit

science missions
currently in orbit

20



34 years of experience supporting science missions with innovative and often unique technology

Team for the Mission

E AND SPACE



Industrial Consortium - BepiColombo

Airbus (UK)
Mechanical/Propulsion Bus

As (Germany/Netherlands)
Solar Arrays

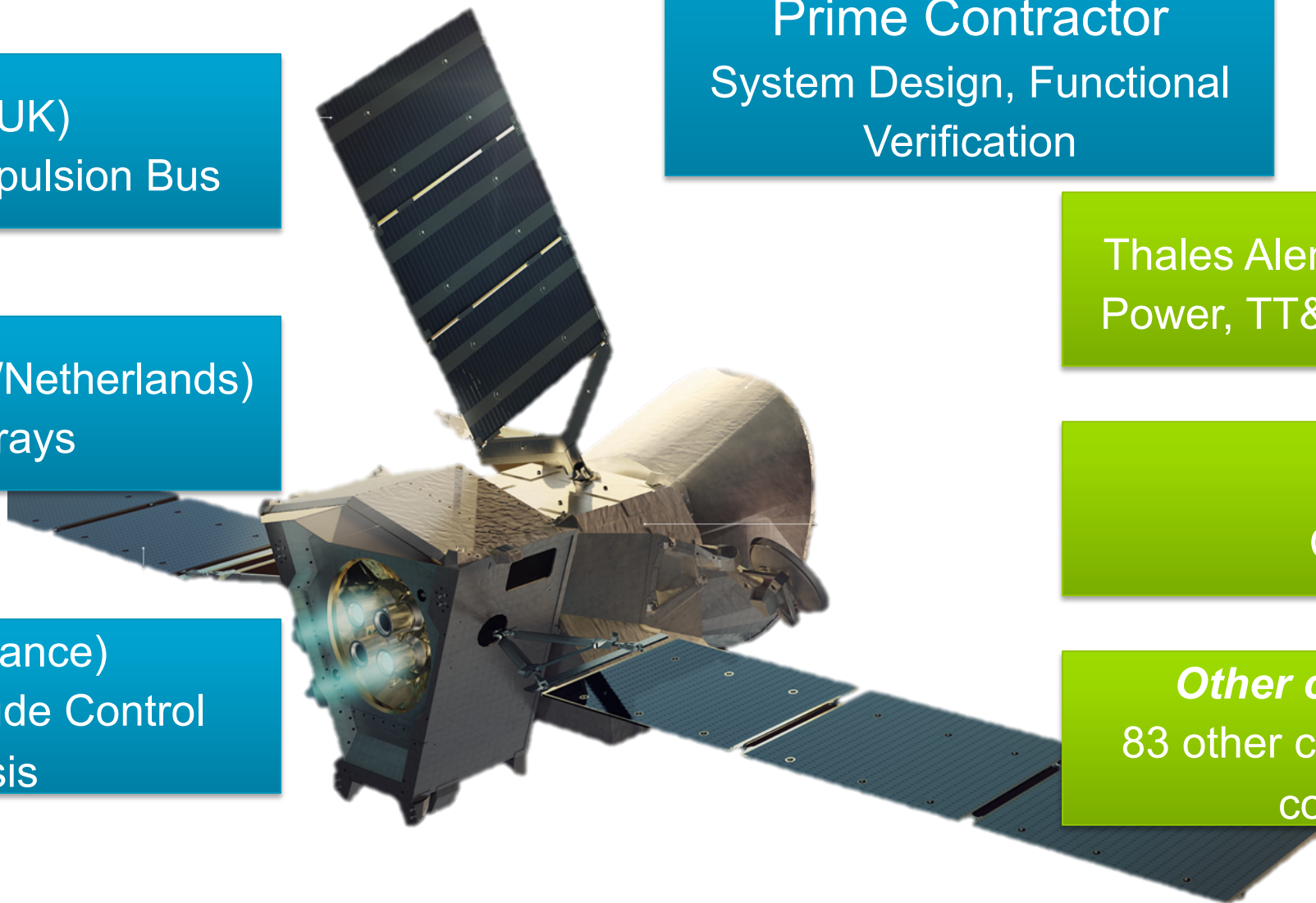
Airbus (France)
Software, Attitude Control
Analysis

Airbus (Germany)
Prime Contractor
System Design, Functional
Verification

Thales Alenia Space – Ita
Power, TT&C, Thermal, A

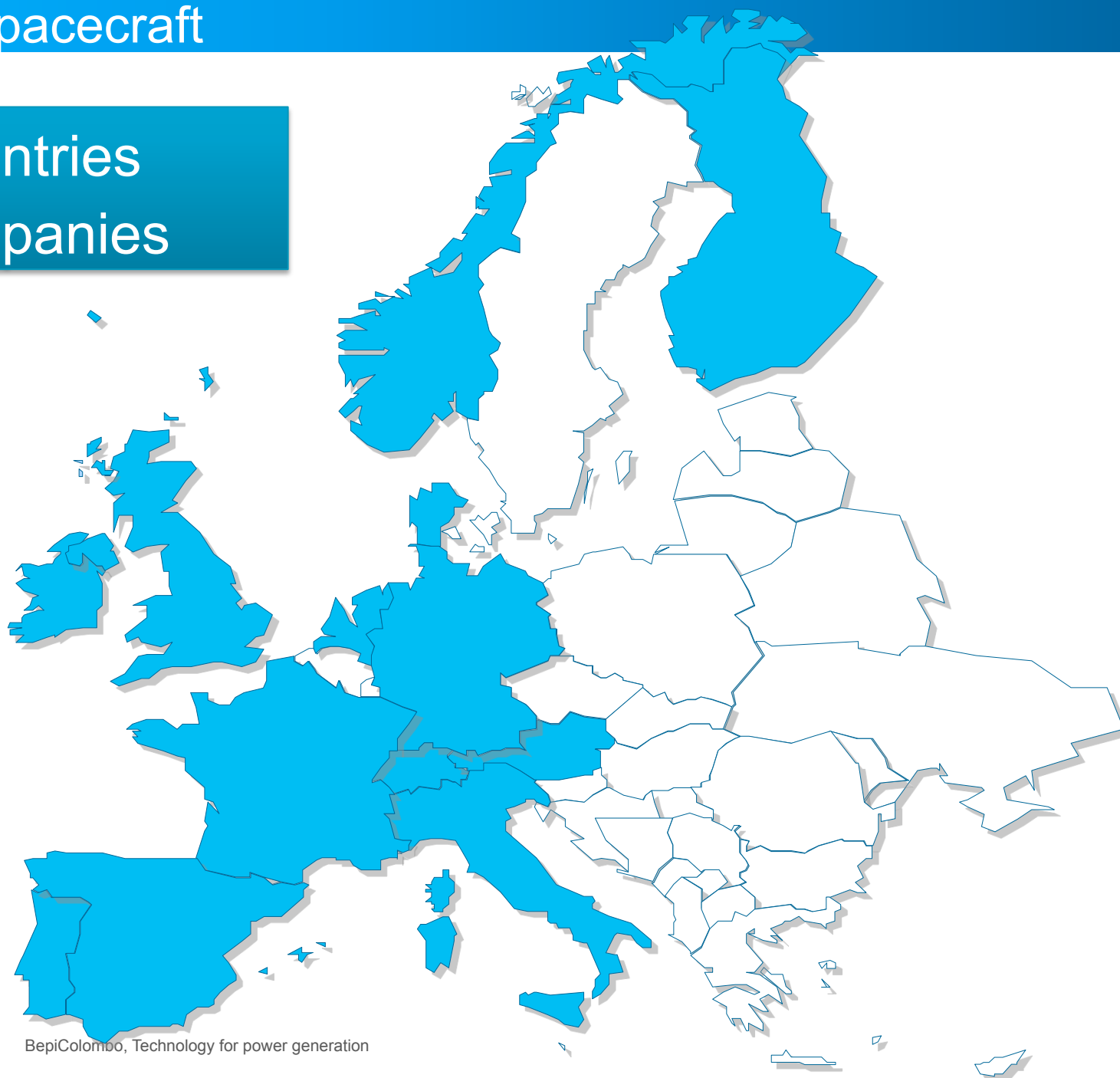
Alter
CPPA

Other contributors
83 other companies in 16
countries





16 countries
83 Companies



Germany
United Kingdom
Italy
France
Spain
The Netherlands
Portugal
Austria
Norway
Denmark
Switzerland
Ireland
Finland

Japan
USA
Russia



Germany (Friedrichshafen , Ottobrunn, Lampoldshausen, Bremen)

Prime Contractor of BepiColombo Spacecraft

System design and operation

System functional verification

Solar Array design & manufacturing

High Voltage Electronic for Solar Electrical Propulsion System (SEPS)

Components for chemical propulsion systems

150
people

UK (Stevenage, Portsmouth)

Contractor for Mechanical Propulsion Bus

Chemical propulsion systems

Module separation systems

Pressure regulator for SEPS

60
people

France (Toulouse)

AOCS analyses

Central Software

40
people



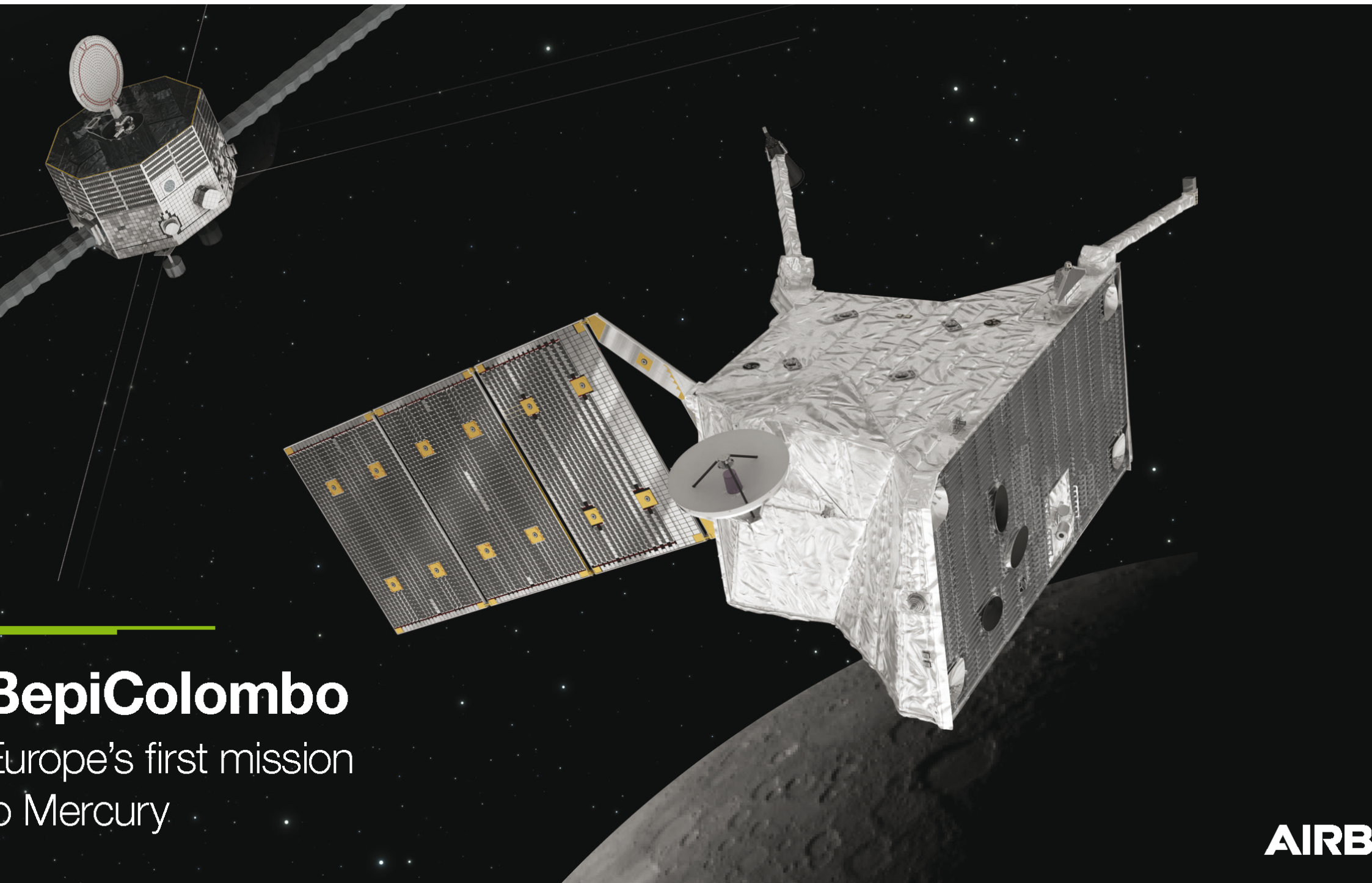
Spain (Tres Cantos, Barajas)

- SEPS Electronics
- MPO PCDU
- MTM structure



Netherlands (Leiden)

- MTM Solar Array manufacturing



BepiColombo

Europe's first mission
to Mercury

AIRBUS



Industrial Consortium - BepiColombo

