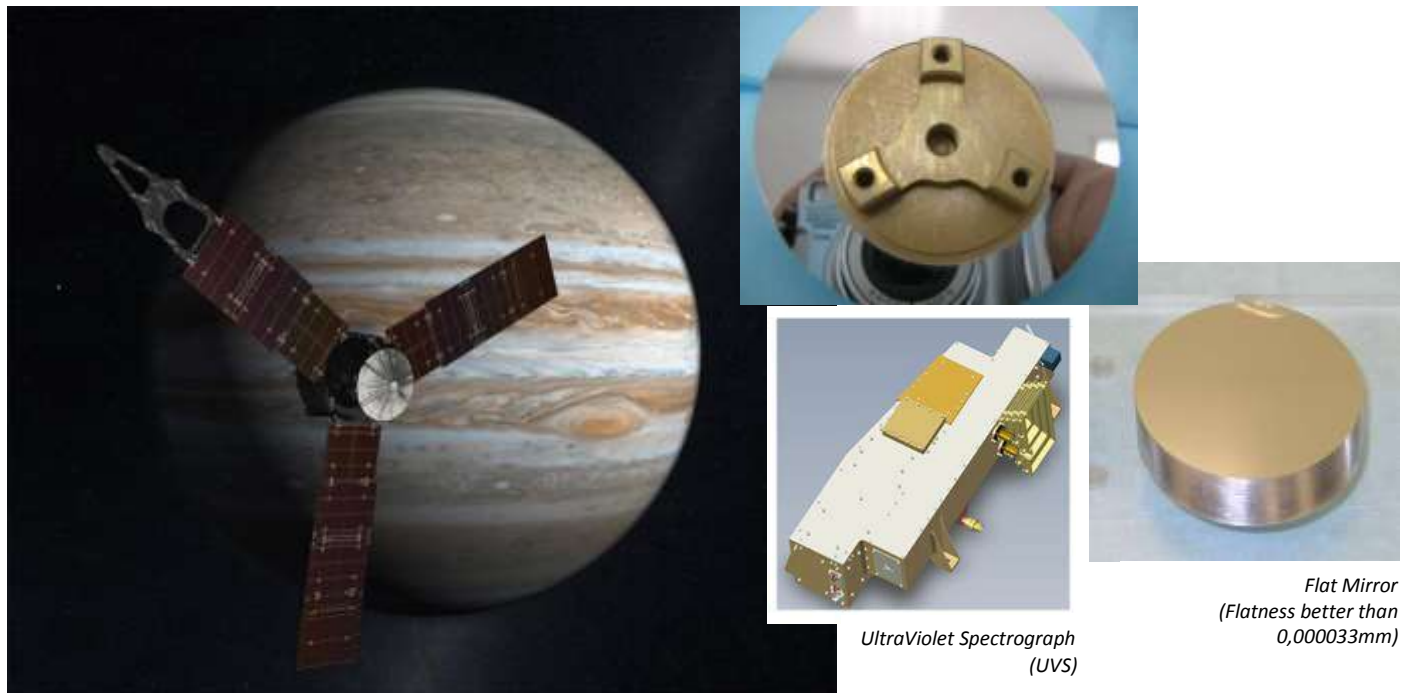


# Juno spacecraft: AMOS' mirrors in orbit around Jupiter



Source: NASA

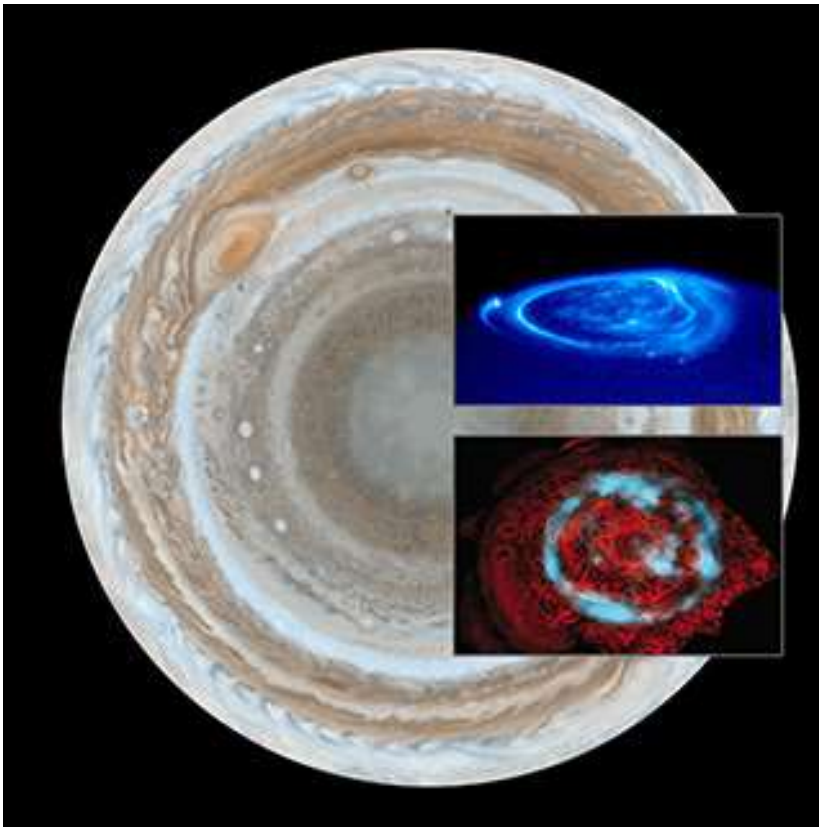
AMOS, located in the heart of the « Liège Science Park », is not only well known for designing and building large professional telescopes, but also as an expert in the space sector. It just added a new great reference to its track record, through the success of *Juno*.

The *Juno* mission is part of the New Frontiers Program managed by NASA. Its primary goal is to study Jupiter, the giant gaseous planet whose formation and evolution remain largely unknown despite several previous space missions.

The spacecraft, in orbit since July 5th, will investigate the planet's origins, interior structure, deep atmosphere and magnetosphere. Juno's study of Jupiter will help us to understand the history of our own solar system and provide new insight into how planetary systems form and develop in our galaxy and beyond.

With its suite of science instruments, *Juno* will provide the first close look at Jupiter's poles. Among them, the « *UltraViolet Spectrograph (UVS)* » allows to scan the giant ball's surface and study its polar auroras. It includes 3 types of high precision flat mirrors (nickel plated aluminum mirrors), that AMOS manufactured for the Centre Spatial de Liège, upon request of the Southwest Research Institute (*Principal Investigator* of the mission).

The first images of Jupiter's poles, especially the ones taken at the end of August 2016 when Juno passed about 2,600 miles (4,200 kilometers) above Jupiter's swirling clouds, show that all instruments work perfectly. They are a proof of the outstanding quality of the instrument optics embarked on the spacecraft.



Source: NASA

**Useful links :**

[www.amos.be](http://www.amos.be)

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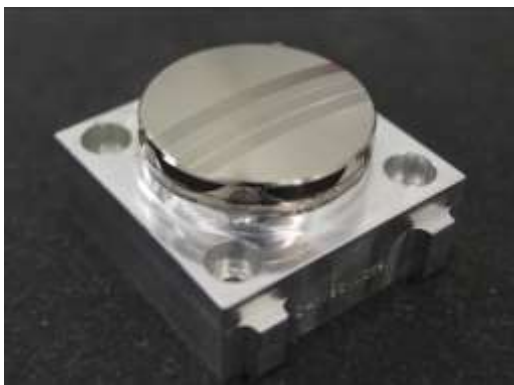
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**AMOS in a few words**

Located at the heart of the “Liege Science Park” in Sart Tilman, Liège, AMOS has been designing and building high-precision optical and mechanical custom equipment for more than 30 years. Its flagship achievements are professional telescopes, terrestrial or space optical systems, test equipment for space devices, and high-precision mechanical elements. It occupies today more than 100 employees highly skilled in advanced technologies and offers services to the space industry and to the professional astronomy sector.

AMOS shareholders are amongst others the SRIW, Meusinvest and SOGEP. AMOS turnover in 2015 was 15 million Euros, with more than 90% for export.

The company has most of its customers in Europe (ESA, ESO, AIRBUS DEFENCE & SPACE, THALES ALENIA SPACE, OHB), in the United States (AURA), in India (ISRO, PRL, ARIES), and has recently expanded its business in countries like China, Turkey or Russia.



Hyperspectral Imaging Spectrometer for the lunar mission Chandrayaan II of ISRO



Thermo Vacuum Test Facility for VSSC (ISRO)



ATS (Auxiliary Telescope Systems), “mobile” telescopes in the VLTi in Chile (Cerro Paranal)