

## EUROPEAN MARS SOCIETY COFERENCE

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### **Airbus Vision and Technologies in Support of Planetary Missions**

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Airbus Defence and Space is the largest industrial contributor to scientific space exploration missions realization in Europe. Starting from the heritage of earlier EADS Space Transportation and ASTRIUM, Airbus DS is able to offer integrated systems and solution to national government and international space agencies in the field of exploration missions' development.

In support of manned exploration missions, Airbus DS is engaged in developing sustainable and affordable solutions stemming from the successful experiences of ISS/Columbus and ATV, whose lessons learned can be exploited for the definition of the ongoing Cis-Lunar Habitat concept.

At the same time, key technologies acting as planetary surface exploration enablers are current subject of advanced development; same as the ability to sustain life with advanced life control systems and the development of smart robotic systems.

This presentation will provide a view on the current Airbus DS approach to support the expansion of manned presence in space to support the ambitions of both institutional and private sector.