

17th IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE EXPLORATION AND
DEVELOPMENT (D3)Systems and Infrastructures to Implement Sustainable Space Development and Settlement - Technologies
(2B)

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IN SPACE MANUFACTURING AND ASSEMBLY : YES WE CAN!

Abstract

Since five years Airbus DS is preparing the future with the development of all relevant technologies in order to manufacture and assemble in Space. After a review of the future benefits and applications, on-going developments will be presented. Metal3D the development in collaboration with ESA of the first metallic 3D printer that will be delivered early 2020 and fly onboard the ISS. DEMETRA the full digital manufacturing factory designed for manufacturing and assembly in Space with robots. The presentation will show the significant maturity of both developments and address the way forward.