



EU-Japan Partnering Support Mission in the Space Sector - Tokyo, 9 – 11 March 2015

Company Logo



Contact Details

Name Surname: Luca Rossetini
Position in the Company: CEO
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Picture of Participant



[Luca Rossetini]

Participant Profile

Luca Rossetini is seeking a profitable and sustainable expansion of the human kind in space. In 1998 Luca quits his Airborne Officer career and got a master in Aerospace Engineering (2003). 1 year in US researching on nanotechnologies applied to space propellant, then a master in Strategic Leadership Towards Sustainability. During his Ph.D. in Advanced Space Propulsion (2008, with honors), Luca founded IRTA (advanced vision and slow motion tracking techniques). In 2006 he co-founded The Natural Step Italia (international NGO), and in 2008 he positioned among the first two hundred candidates, among 10k competitors, for the European Astronaut Corp. In 2009 thanks to a Fulbright scholarship, he got a Certificate in Technology Entrepreneurship in Silicon Valley, California. 2010: intern at NASA Ames, then he founded D-Orbit, developing solutions for Space Debris.

Company Profile

Headquarters and branch locations:

Headquarters: Via Giuseppe Mazzini 2, 20123 Milan (MI), Italy.

Administrative Office: Via Madonna del Piano 6, 50019 Sesto Fiorentino (FI), Italy.

Operating Office: Via Cavour 2, 22074 Lomazzo (CO), Italy.

D-Orbit Inc. 11766 Wilshire Blvd, c/o RBZ LLP Suite 900, Los Angeles CA 90025.

D-ORBIT PT Lda Av. Forças Armadas ed ISCTE 1600.083 Lisboa, Portugal.

Shareholders:

Founders (Luca Rossetini, Renato Panesi, Thomas Panozzo, Giuseppe Tussiwand): 33.97%

TTSeed srl (VC investor): 25.68%

Quadrivio Capital SGR (VC investor): 35.72%

Como Venture srl (VC investor): 4.35%

Mission:

Our current mission, in the first phase of our business, is to on stop the systematic increase of concentration of uncontrolled objects in space, promoting a sustainable and profitable future for the Space industry, and a clean and safe environment for space missions.

Technology portfolio:

Decommissioning Device for LEO/MEO/GEO satellites and launcher stages; D-Orbit Electro-Explosive System (DEES); Critical Software; D-Orbit Payload Control Unit; 3U Cubesat.

Commercial footprint: Aerospace & Defence



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Value proposition for the Japanese market

D-Orbit is expert on decommissioning strategy, both from a technology and international regulations point of view. D-Orbit offers its unique competence to analyse and evaluate the best decommissioning strategies for Japanese satellite platforms and the company offers also modular technology to enable any class of satellite in any orbit for proper decommissioning at the end-of-life: decommissioning devices to be installed on satellites, launcher stages and in general any object before being launched into space, and able to successfully remove from orbit them in a quick, safe and controlled way. D-Orbit is UNI EN 9100 and ISO 9001 certified company.

D-Orbit Decommissioning Devices enable operators to be fully compliant with national Japanese regulations, international guidelines and also with the recent and more stringent French Law and ESA regulations. Our systems offer the most significant performance/mass ratio with respect decommissioning strategy today used or under evaluation. Our high reliability increase by order of magnitude the chance of quickly and properly remove end-of-life satellites from their orbital slot, helping operators to optimize the fleet deployment, reduce operations effort and costs, drastically reduce their liability and eventually slightly increasing the lifetime of the satellite if compared with on-board solutions.

Japan industries and JAXA are actively committed to reduce national satellites impact on current debris situation in orbit. D-Orbit can offer its competence and experience to propose and implement the best decommissioning strategy to be compliant with current and future regulations.

D-Orbit' patents applications were filed in Europe (EPO), USA, Russia, Ukraine, India, China, Japan, Korea, Australia, Canada, Brasil.

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