



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

Company Logo



Space Innovations, s.r.o.  
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Picture of Participant



[Ondrej Doule]

### Participant Profile

Founder, managing and creative director of Space Innovations established the research studio with vision of enhancement of space research and development related to human spaceflight and application of its spin-offs in terrestrial domain. He is responsible for definition of new projects, company representation, networking, research and projects execution. His academic background includes Master's degree in urban design engineering and architecture from Czech Technical University (CTU), Master's in Space Management from International Space University, Ph.D. from CTU in Architecture in Extreme Environments, and currently pursued second Ph.D. studies co-funded at Florida Institute of Technology in collaboration with NASA Kennedy Space Center on Adaptive Spaceship Cockpit Architecture and wearable technology for enhancement of situational awareness in extreme environments. He is chair of the Space Architecture Technical Committee at American Institute of Aeronautics and Astronautics. As commander he successfully led mission 135 at Mars Desert Research Station focused on Redundancy and Reliability of Extreme Environment habitat systems. He participated as researcher and subject in NASTAR research on endurance to hypergravity up to 6,2 Gs and "flew" in centrifuge Virgin Galactic and XCOR suborbital flight profiles. His experience with terrestrial architecture includes collaboration on the tallest skyscraper in EU (London's Shard by Piano).





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## Company Profile

**Headquarters and branch locations:** Obrancu miru 107, Recany nad Labem 533 13, Czech Republic

**Shareholders:** 0

### **Mission:**

Research and development of systems architecture for extreme environments (space research applicable for transfer to Earth) and improvement of nominal daily living conditions applying self-sustainable systems and knowledge derived from space sector. Outreach and education of Living in Extreme Environments. Support of human spaceflight. Support and stimulation of international collaboration in space sector. International simulations in extreme environments. Analogue systems development.

### **Technology portfolio:**

System architecture technology research, design and development, terrestrial and space habitation systems, self-sustainable habitation systems, self-deployable systems

### **Commercial footprint:**

Young company established in 2011 in stage of start up

## Value proposition for the Japanese market

Space Innovation's focus is on self-deployable, self-sustainable systems that are critical for space exploration but also applicable for terrestrial usage in area of post-disaster management, research or any other activities in extreme environment. Space Innovations, s.r.o. has strong interest in understanding Japanese community, culture and needs and would like to provide services specifically in area of self-deployable habitable systems for post-disaster applications derived from space architecture systems and designed specifically for local needs. Self-deployable structures and highly integrated systems are applicable also in unmanned human spaceflight.

**Disclaimer:** *The information contained here is only used for the purposes of this event with the aim of facilitating the Business-to-Business meetings.*

