

BUSINESS INNOVATION SYMPOSIUM (E6)
New Business Models in Traditional Space Industry Applications (2)

Author: Mr. Peter Bütfering
European Space Innovation AG, Germany

ORBITAL SYNERGIES - MULTI PARTNER PROJECTS FOR INDUSTRIAL UTILISATION OF THE
INTERNATIONAL SPACE STATION

Abstract

Industry driven research projects on board of the International Space Station are one strategic element of the extended utilisation scenario. Customers from non-space industries will complement basic and applied research with market oriented research and development projects.

Microgravity as a research parameter and tool for company specific R&D is a well proven but still rather limited segment within the ISS utilisation.

Limited resources e.g. transport, crew time and power and cost intensive processes for safety and administration are serious entrance barriers for customers from industrial research and development sectors.

Smart solutions for industry driven utilisation projects are prerequisite to enable companies and investing entities to use the International Space Station - and other experiment platforms e.g. drop towers, parabolic campaigns and suborbital flights - for their individual purposes.

Active external project development and co-operation management integrate specific and differing targets of combined companies, bundle resources and ease access to flight opportunities.

The European Space Innovation AG develops and delivers end-to-end services for multi-partner-projects for utilisation of space infrastructure and experiment platforms by industries and industry oriented research.

Bridging the existing gap between (non-space) industrial requirements, processes and customer relation standards and the specific procedures in the international space community is a key success factor for any industry oriented approach.

The presentation will exemplify the basic principles of collaboration between public and private space with non-space industry, identify key success factors for multi-partner-projects and give some insights in current (non-space) industry driven research based projects for ISS as well as for precursor experiments.