

IAF BUSINESSES AND INNOVATION SYMPOSIUM (E6)
Interactive Presentations - IAF BUSINESS INNOVATION SYMPOSIUM (IP)

Author: Mr. Djamel Metmati
France

SPACE PORT RISK MANAGEMENT IN THE SPACE ECONOMY

Abstract

The Space economy requires the Space infrastructure from the ground with an update and an upgrade of the Space ports. It means the access to Space is going to be opened for small rocket, for rockets with commercial astronauts, for the extension of Space assets on orbit. The trend needs a different tempo to be aligned with the maintenance on the ground, the launch for routine operation, the commercial launch, the emergency launch for Space assets. The building of the Space port shall integrate these features in the data management for the maintenance and routine operation, for the availability of the Space port by online services. The connectivity expected should provide more safety and more security due to the new functionalities of Space infrastructure. The other methodology shall be used from the techniques of the construction and the smart building to provide autonomy of Space port. It reflects the requirements of the operation center in Space port in which the monitoring includes the systems and the subsystems to follow the workflow of the site. The components can be the lasers, the cameras, the embedded system installed in the building combined by the energy system by local resources.