

INTRODUCTION TO WHAT IS THE CHANGE IN COMMERCIALISATION APPROACH



Agata Jozwicka-Perlant

Space Transportation beyond LEO Manager European Space Agency (ESA)

initiated by



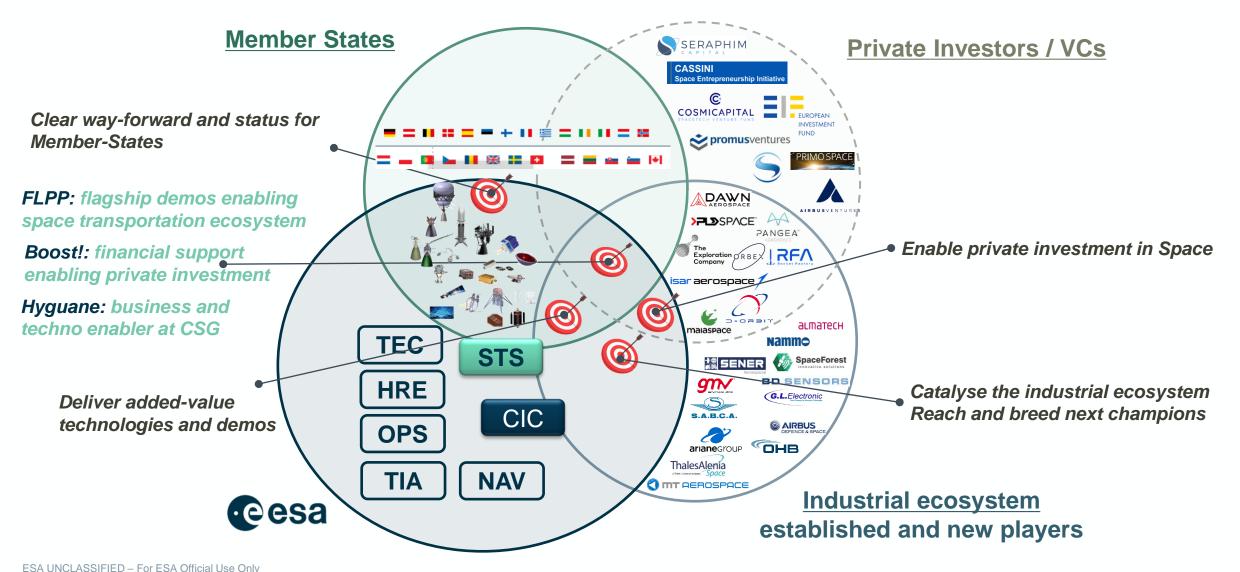




How to enable such Space Transportation ecosystem?



Stakeholders mapping and action targets



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Join industrial forces to unfold this vision



Combine the strengths of established large-space integrators and innovative new actors



Foster a competitive SpaceTech ecosystem for space transportation

Mature and integrate technology disruptors into real space transportation applications

<u>Match-make</u> needs from Large Space Integrators and solutions from technology providers

Extend outreach across the SpaceTech sector

The overarching objective of the "Next Stage to Space" initiative is to <u>facilitate the SpaceTech ecosystem</u> in Europe by providing a <u>platform</u> where future space transportation needs meet <u>promising innovative solutions</u>.

Next Stage to Space overview





Partners Events

esa



Embarking together towards future space transportation

The European Space sector is transforming quickly to allow a more and more competitive access to Earth orbits and beyond, serving advanced science, exploration and commercial applications to bring the benefits of Space to our society.

To further increase the return of investment in Space, the European Space Agency, together with its Member States, supports entrepreneurs with the ambition to exploit space technology or utilise space systems in non-space markets (spin-off), or become suppliers to the space sector, e.g. by exploiting non-space technology in the space market (spin-in).



https://nextstage.space

FROM REALITY BACK TO VISION.

To support ArianeGroup and MTA with innovative cases, six pilot technologies have been identified. Are you ready for the challenge? Have a look: on each of them there is a world to be discovered!



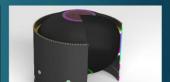
High efficiency batteries for space applications

Click here



Intelligent visual detection methods for enhanced quality

Click here



Sealing/coatings for cryogenic CFRP surfaces

Click here



Folded Core materials for cryogenic **CFRP tank insulation**

Click here



Optimized production in additive manufacturing (DED process)

Click here



Augmented Reality based process visualization, manufacturing and training

Click here

More About

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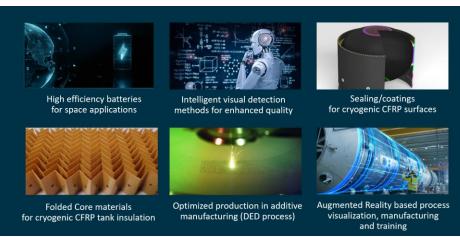
Next Stage to Space

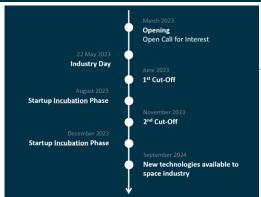
Pilot implementation in Bavaria













Next Stage to Space Industry Day (22 May 2023)

- Welcome (ESA/AGG/MTA/AZO)
- Introduction to Next Stage to Space
- Sessions for six pilot cases: Primes / SME-startups-lab
- · Networking meetings



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Next Stage to Space

Pilot implementation in Bavaria

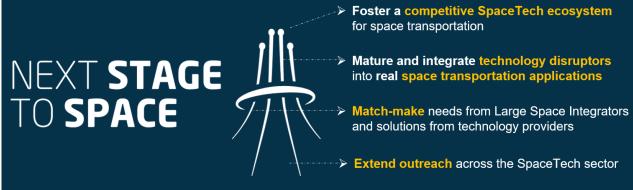




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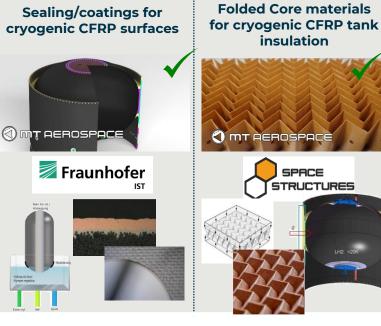
Industry Day
22/05

Call for proposals - up to 27/08

Assessment with Primes - 18/09

Signature and Kick-off of all contracts - 16/10







Optimized production in

Augmented Reality based process visualization, manufacturing & training

mr Aerospace

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Smart Foctory

Full automation & self-regulation