Boost! – Introduction

Commercial Space Transportation Services

THE 1ST SPACE TRANSPORTATION ECOSYSTEM CONFERENCE IN GERMANY

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The Boost! Context

Space is open for Business – Commercial Space Transportation Services

Europe's level of space ambition

Commercialisation in space transport

Service Primes

UARX space solutions
isar aerospace
HyImpulse
SIRIUS SPACE SERVICES
SKYRORA
SPACE FORGE
ORBEX
PLDSPACE
DAWN AEROSPACE
RFA Rocket Factory
EXO LAUNCH
LUNASA
exotrail
maiaspace
Latitude
D-ORBIT NEW SPACE SOLUTIONS
The Exploration Company
ATMOS

+ consortium partners
… and many more

New European commercial service providers

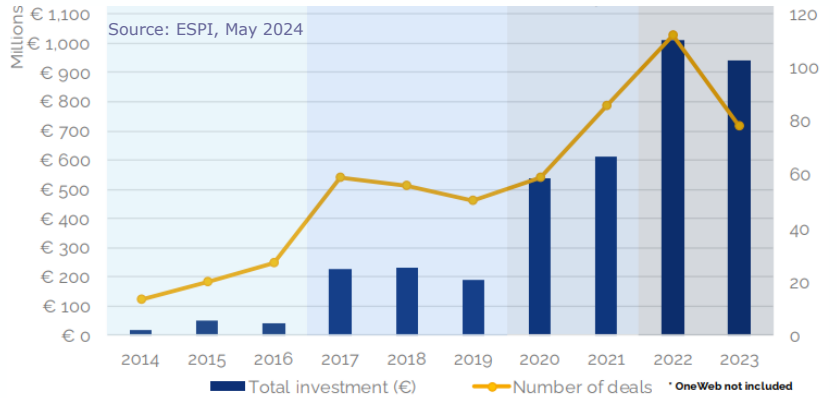


Figure 1: Investment value and number of deals per year 2014-2023

European space start-ups Transactions & investments

The Boost! Programme

Boost! 1 – Commercial Space Transportation Services

ESA support to privately-led commercial space transportation service developments; **63.4M€** already committed in 2020-2024

45 M€ for industrial co-funding

2023 - 2026

Boost! 2 – Support to Member States national objectives

ESA assistance in implementing national space transportation objectives and capabilities – **no industrial contracts are placed**

7 M€ for ESA assistance

2023 - 2026

Boost! 3 – Space Transportation Services Procurement

Implementing European Flight Ticket Initiative with the European Commission, co-funding launch services for IOD/IOV satellites

30 M€ launch service co-funding

2024 - 2026

Boost! 1 – Who / What are we looking for?

Boost! supports delivery of commercialisation services in space transportation sector

We are looking for adequately mature private ‘for-profit’ prime companies, potentially involving consortium partners, developing or operating services to be sold to end customers

Boost! 1 support is provided at service-level

Who can submit service proposals?

⇨ **Industrial prime companies developing or operating a commercial space transportation service**

Note: Industrial consortium partners should be included in the service proposal from the prime company

What is the service-level approach?

Services shall be understood as covering all aspects needed for offering them to end customers and without requiring the customers to procure any additional essential service elements.

Characteristics of eligible services

- Privately-proposed and privately-led service developments and operations
- Services to-space, in-space, from-space & self-standing support services
- Not driven by institutional needs, no guaranteed institutional market

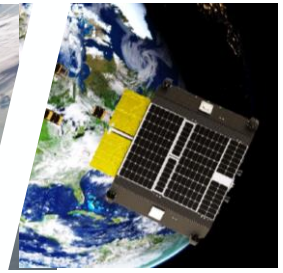
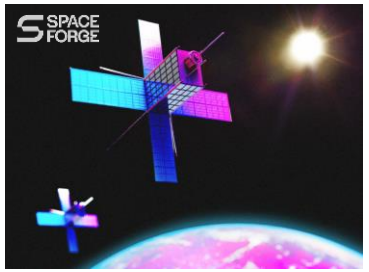
Note: Boost! is **NOT an R&D programme** for developing concepts, technologies, products or sub-systems

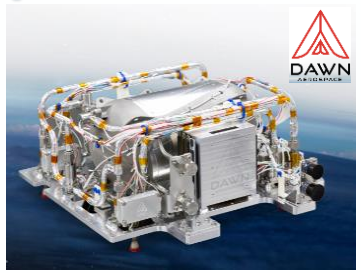
Boost! 1 – Services we support

Launch Services

Boost! supports European launch service prime companies and their consortia to deploy new European access to space services for light satellites

In-Orbit & Return Transport Services



Boost! supports European prime companies and their consortia to offer new last-mile orbital deployment services, new orbital transfer vehicle-based services, and orbital return service capabilities

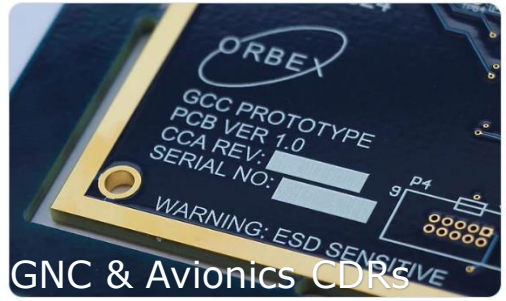
… More to come!

Boost!
Call for Proposals permanently open for Service Proposal submission!

Boost! 1 – How we support Economic Operators

New service–level approach, with ESA

- Acting as partner, not as customer
- Leaving full project authority and full responsibility to service providers
- Providing know-how and expertise and enabling access to test facilities
- Co-funding, facilitating private funding streams, networking, and more



Credit: Skyrora

Credit: RFA

Credit: Orbex

Typical Boost! support

- Pre-commercial service design, technology maturation, development of technical systems
- Test facility development & testing
- Development of lean factory concepts and integrated software tools
- Service demonstration

Boost! 1 – Procurement Process Flow

esa issues

New Call for Proposals on

esa-star Tendering

submits

Outline Service Proposal to

OSIP

Informs

esa assesses

Outline Service Proposal

Verifies Eligibility

Informs

Invites to submit Full Service Proposal

submits

Full Service Proposal

esa-star Tendering

Support Letter

esa evaluates

Full Service Proposal

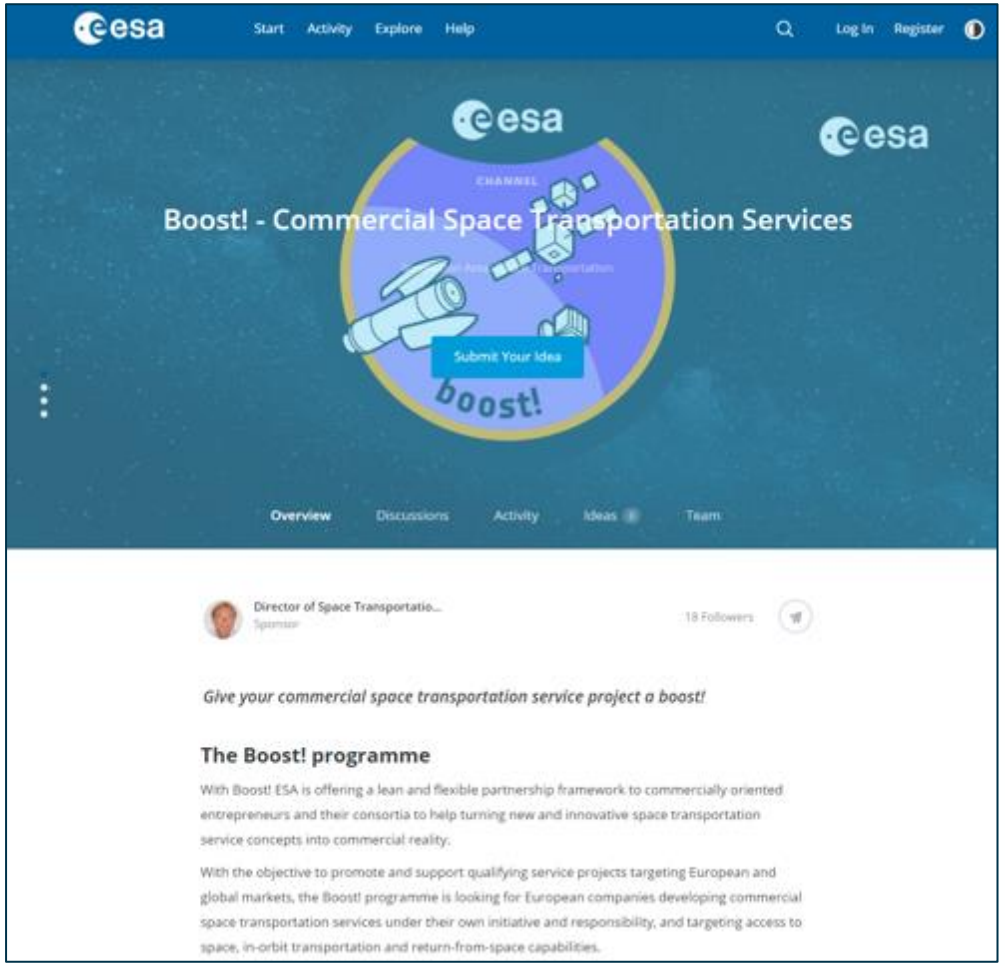
esa negotiate & sign contract

Boost! 1 Participating States

Boost! – The Programme at your Fingertips

The Boost! Programme featured on ESA's web portal: www.esa.int/boost

The Boost! – Commercial Space Transportation Services OSIP Channel: [Boost! OSIP Channel]

The Boost! Call for Proposals for Commercial Space Transportation Services: [esa-star Publication]

Your contact to the Boost! team: boost@esa.int