







Our New Home in Space

# Starlab Space Station

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ESA – SPACE FOR INSPIRATION

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DEFENCE AND SPACE



# Envisaging a Continued Partnership Proven in 30 Years of ISS Operations



... and a significant opportunity for Europe.



DEFENCE AND SPACE

# Starlab: Our New Home In Space

2029 **SINGLE LAUNCH**  
WITH SPACE-X STARSHIP

**100% ISS CAPACITY** SECURES  
CONTINUITY FOR SCIENCE & RESEARCH

**METALLIC HABITAT**  
GUARANTEED 30 YEARS OPERATIONS

STATION WITH **1 MODUL** FOR  
EFFICIENT ASSEMBLY, LAUNCH AND  
OPERATIONS

**JOINT VENTURE**  
WITH ACTUAL ISS PARTNERS

 **starlab**

 **MDA**  
SPACE

 **Mitsubishi**  
Corporation

 **VOYAGER**  
SPACE

 **AIRBUS**

# Starlab

## NEXT-GENERATION SPACE STATION

Starlab Space LLC, International Joint Venture between Voyager Space , Airbus, MDA Space, Mitsubishi Corporation and Palantir, develops and operates the Commercial Space Station 'Starlab' – to succeed the ISS.

- Steel-based construction with three decks
- Designed to accommodate 100% of the ISS' current capacity
- Seamless continuity of science and research in LEO post-ISS
- Development of industrial applications

*Visualisation of a Starlab-like module, not a precise representation of Starlab.*



# LOW RISK, FAST TO ORBIT LAUNCHES? WE JUST NEED ONE

**2024** STARLAB JOINT  
VENTURE FORMED

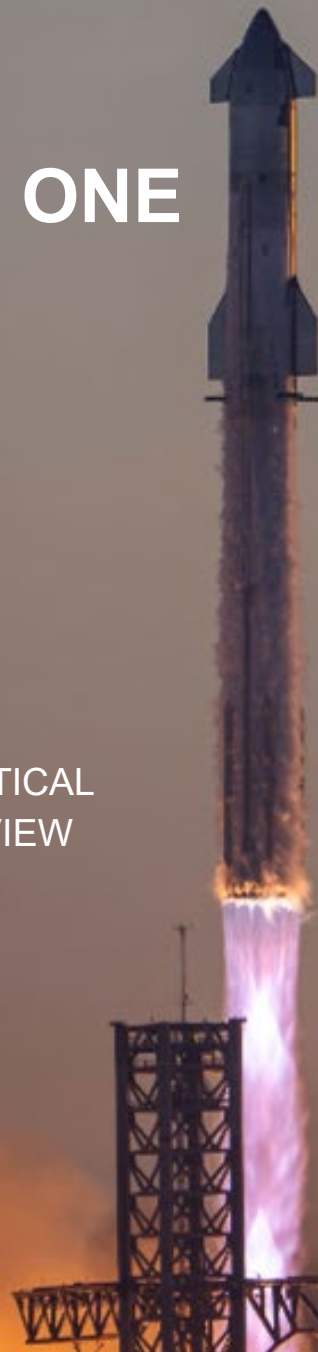
**2025** CRITICAL  
DESIGN REVIEW

**2029** LAUNCH ON  
SPACE-X STARSHIP

**2029** START  
OF OPERATIONS



Image: © SpaceX | Starship Testflight #3

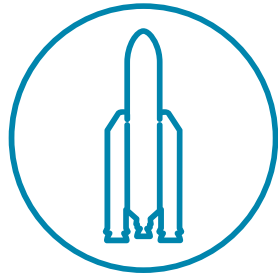


# Starlab: Space & Ground Segment



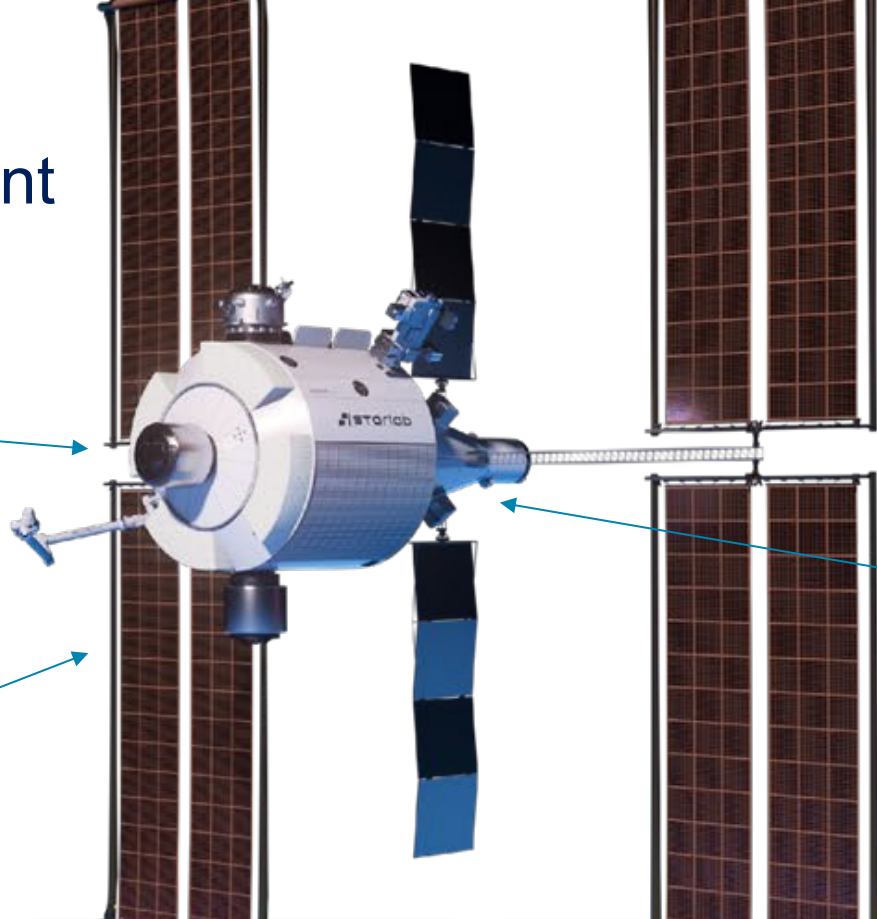
Communication as-a-Service

STATION COMMUNICATION



Launch Service

LAUNCHER INTEGRATION



CREW- & CARGO RE-SUPPLY



Visiting Vehicle as-a-Service

**Mission Control Center**  
(nominal & backup)

**Astronaut Services**

**Payload Control & Support Center**

**Integrated Logistics & Engineering**

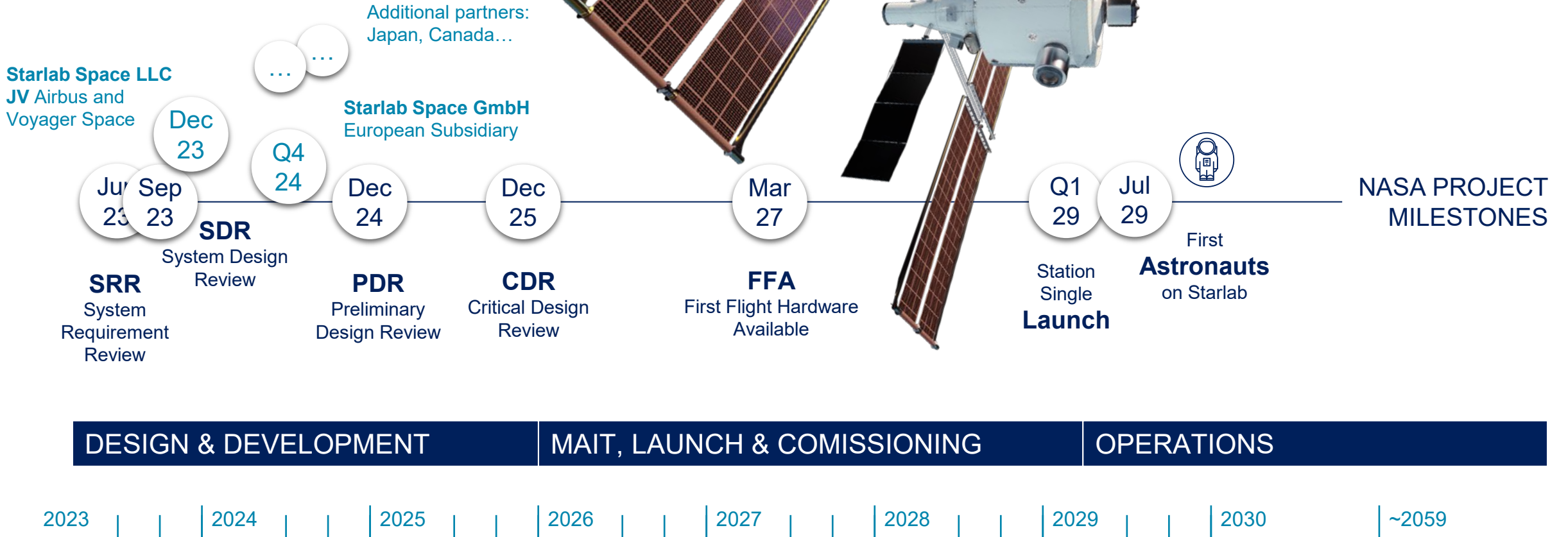
**STARLAB GROUND SEGMENT**



# PDR with NASA at NEPTUN Shipyard in Rostock, Germany Start of Manufacturing of the HABITAT Shell



# Starlab Project Timeline



THANK YOU

