

STRATOS V



LIQUID-PROPELLANT • REUSABLE • STUDENT-DEVELOPED

Welcome Everyone!

The presentation will start at 17:30

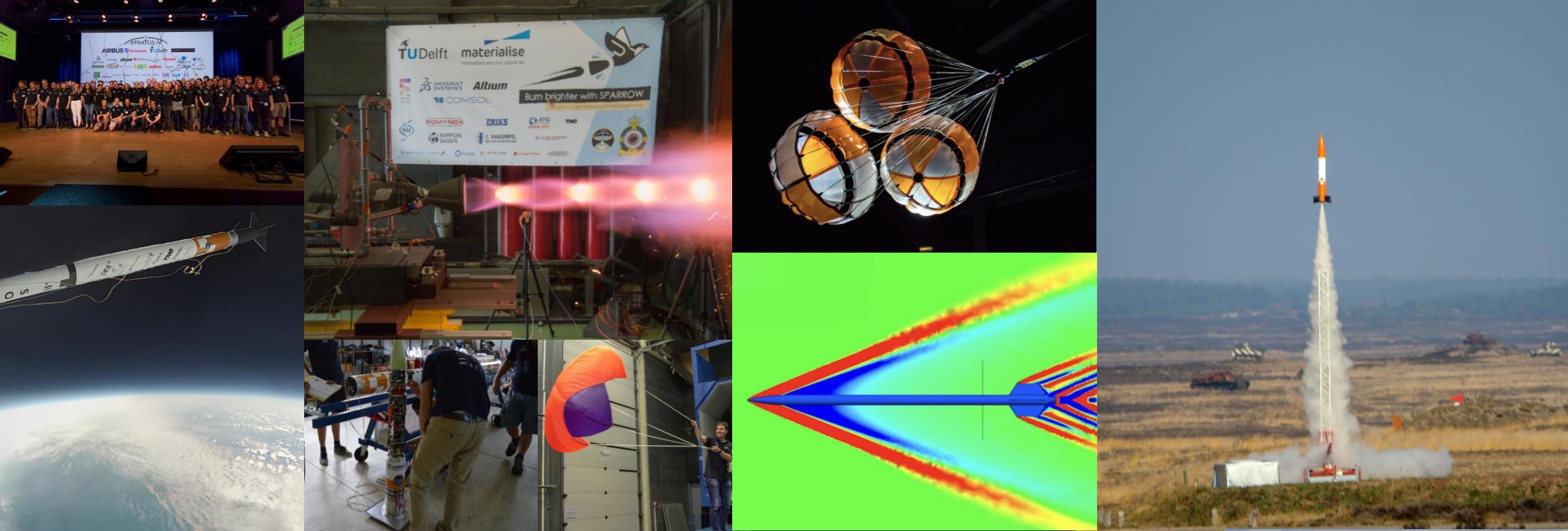


STRATOS



Year 1 Project Symposium

LIQUID PROPELLANT ● REUSABLE ● STUDENT-DEVELOPED



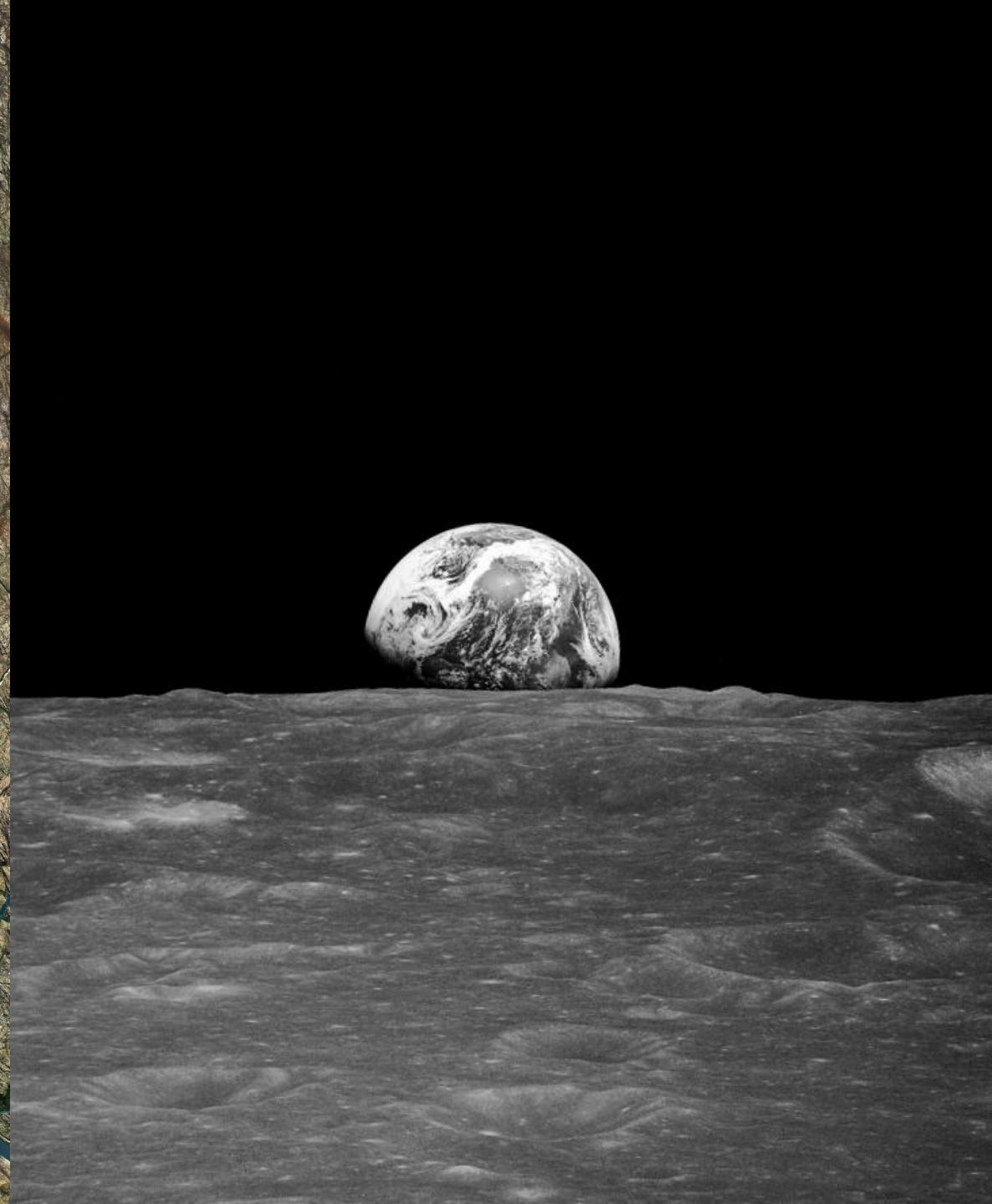


**Why do we dream of space flight and why is it
important?**







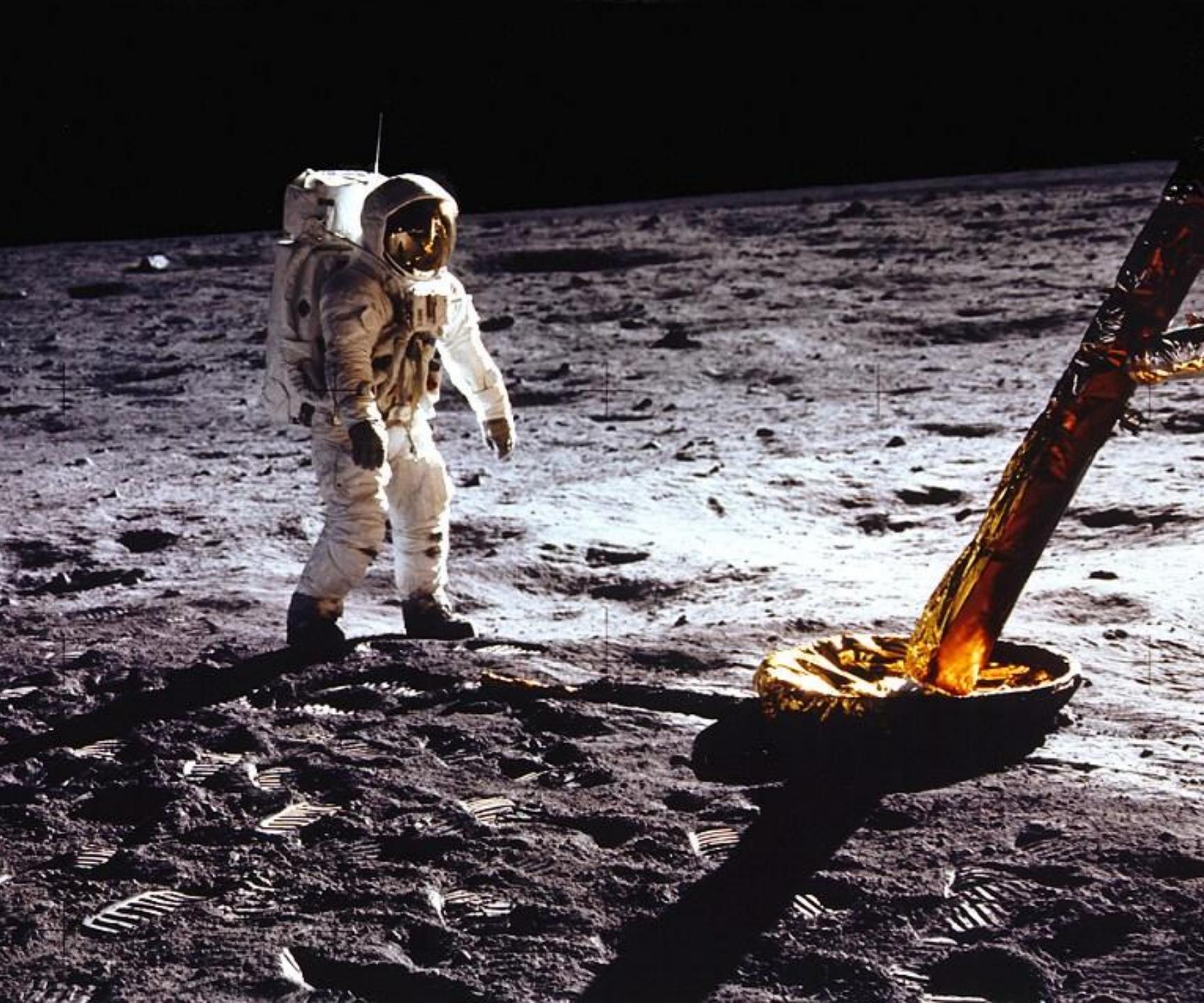


What is the History of Space flight? And where is the future heading?

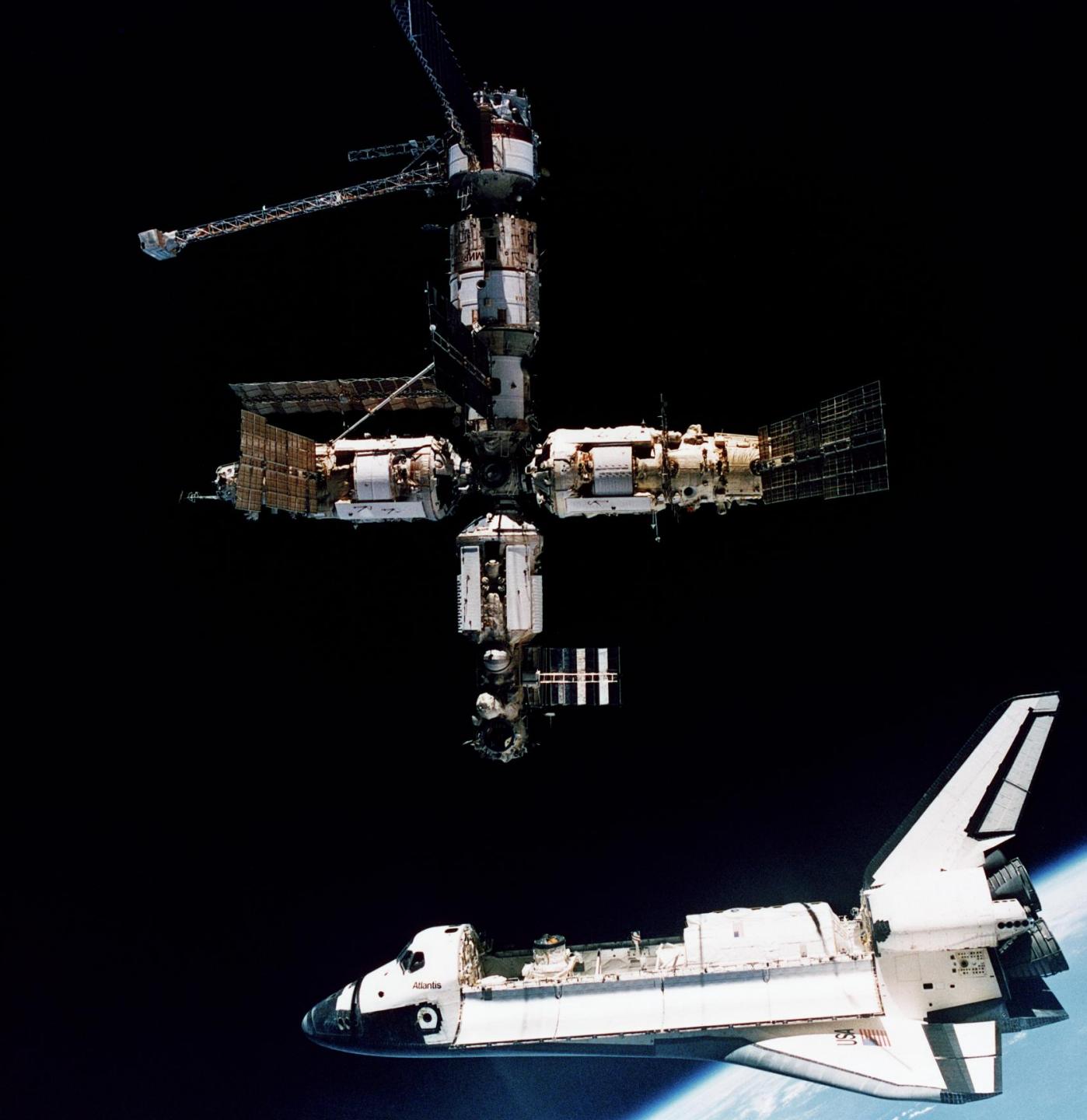
1926



1969



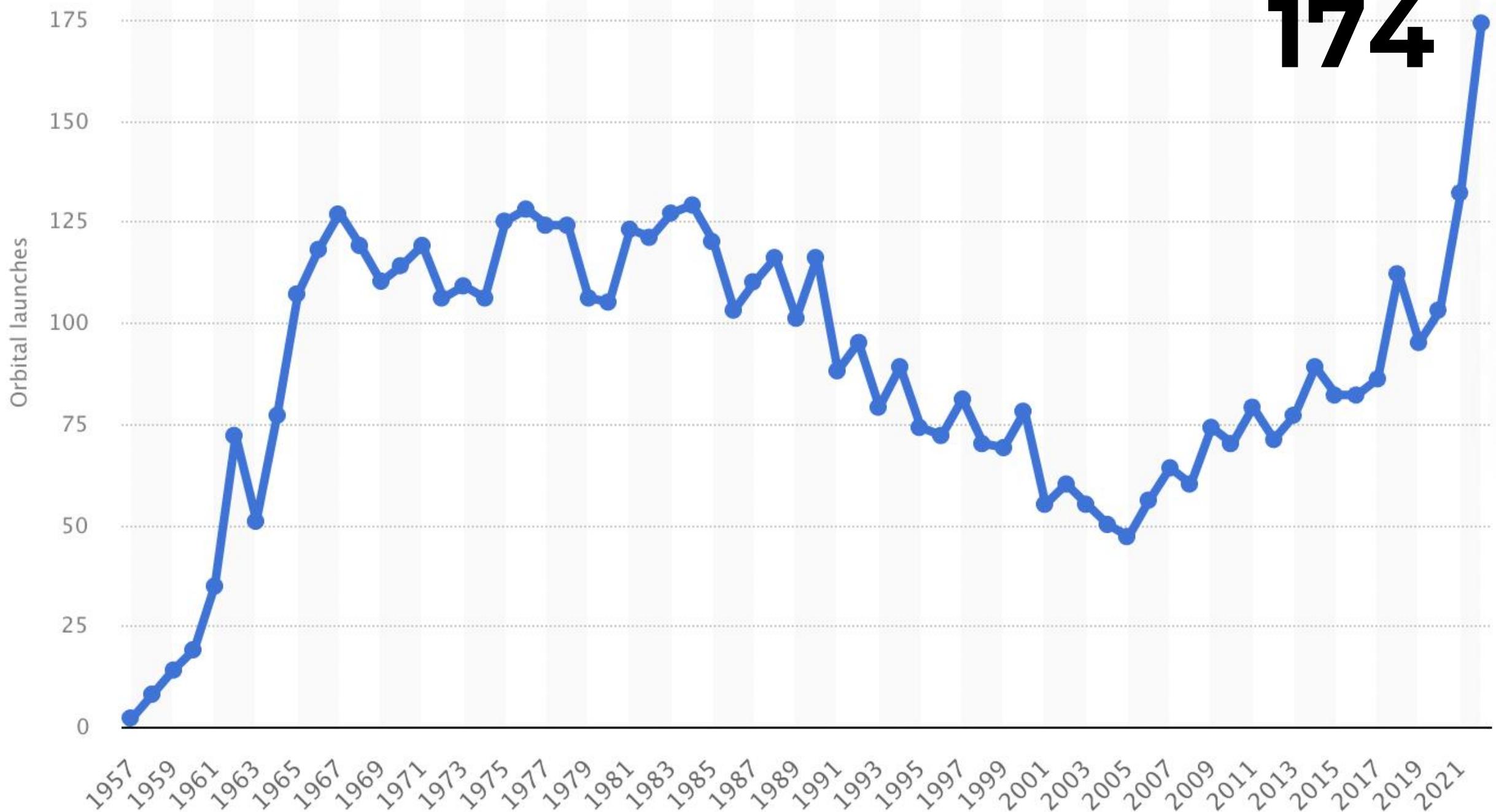
1981



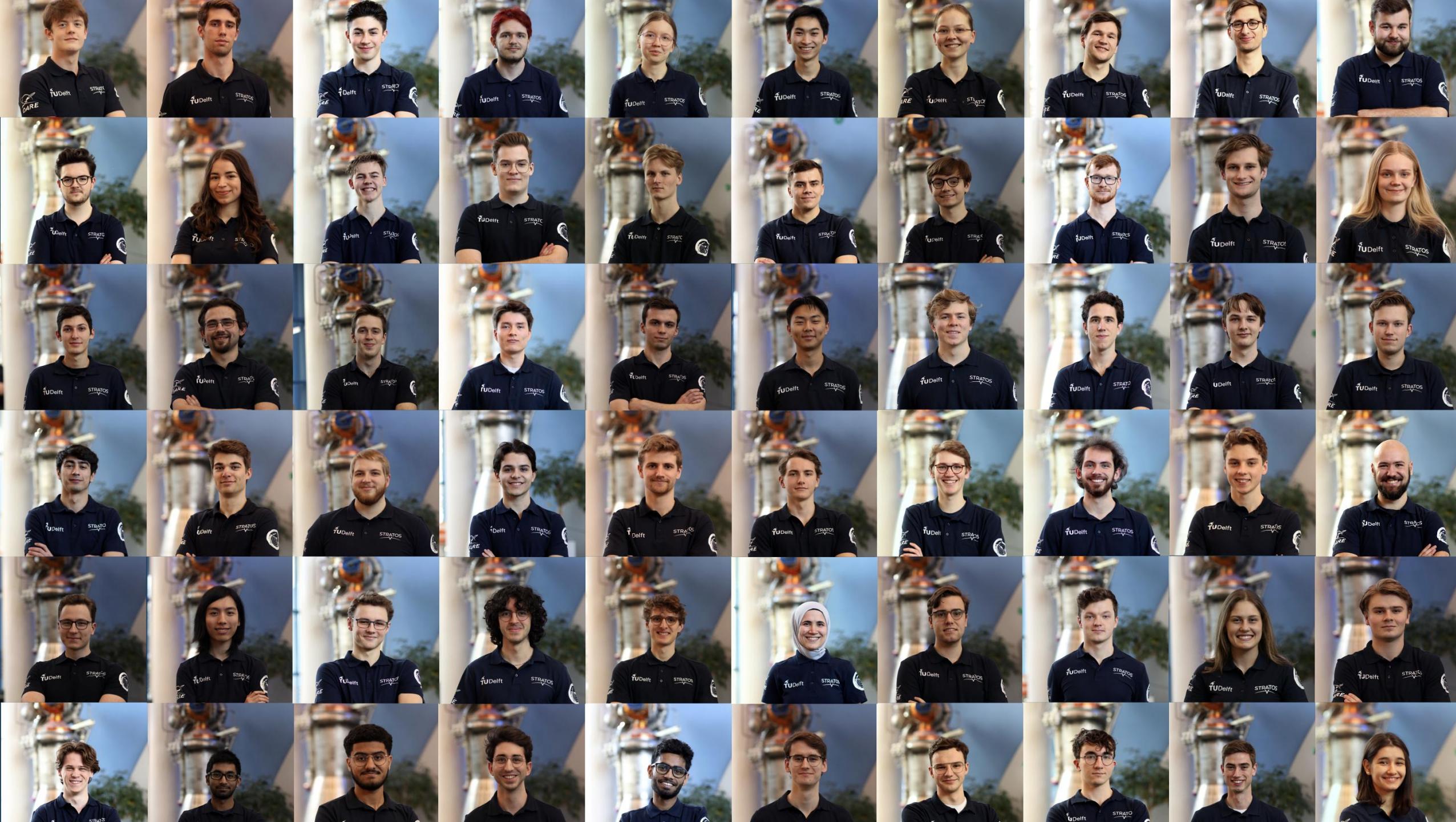
Present



174



"To develop a technology demonstrator for a reusable launch vehicle."







materialise
innovators you can count on



DASSAULT
SYSTEMES

Altium

COMSOL



ROMYNOK

NIPPON
GASES

ERIKS



TNO

C. VANGOMPEL
METAALBEWERKING

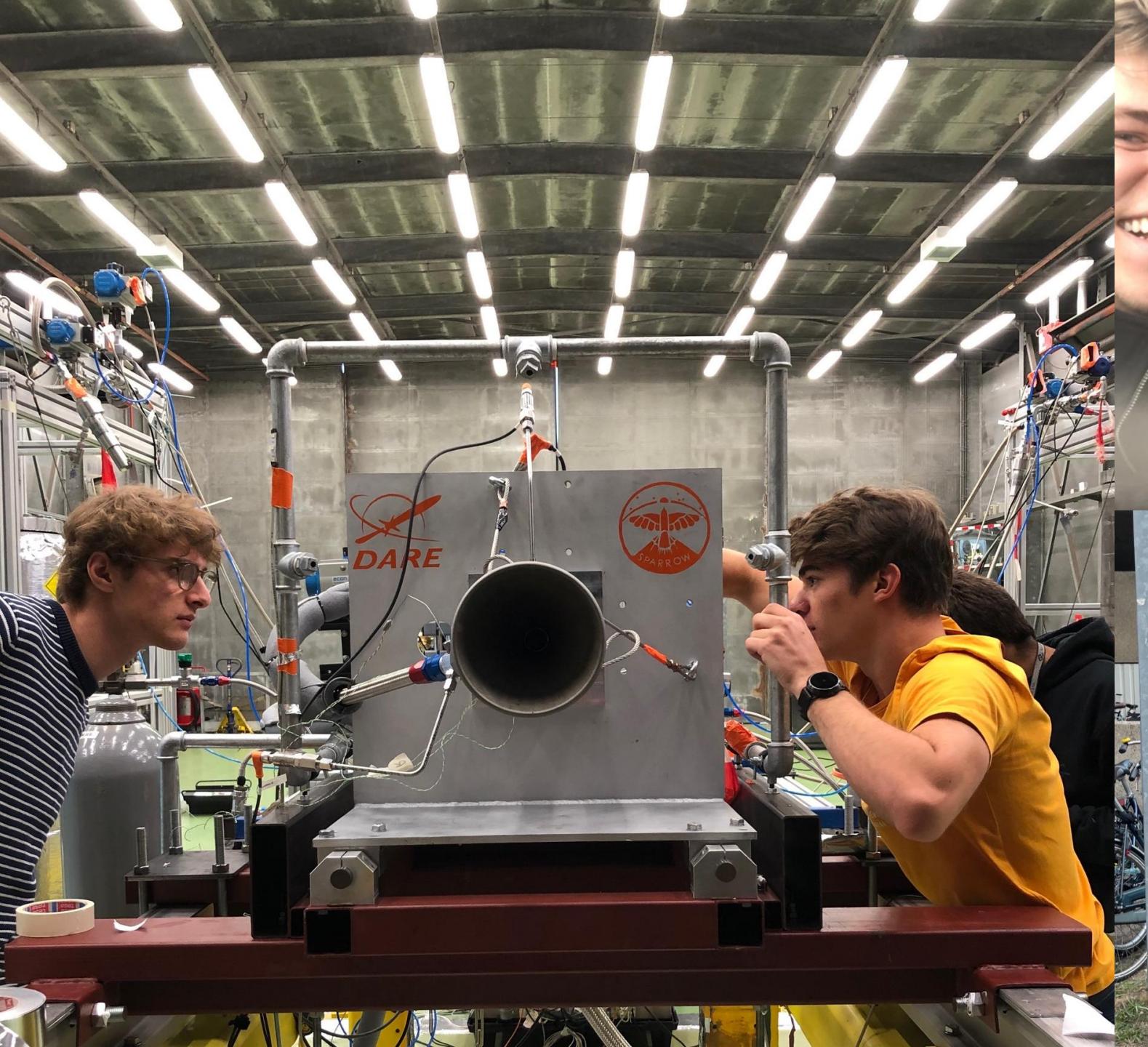
P+ STEEL SUPPLIES
JBC SOLUTIONS
Angst + Pfister
HYDROFLUID TEC

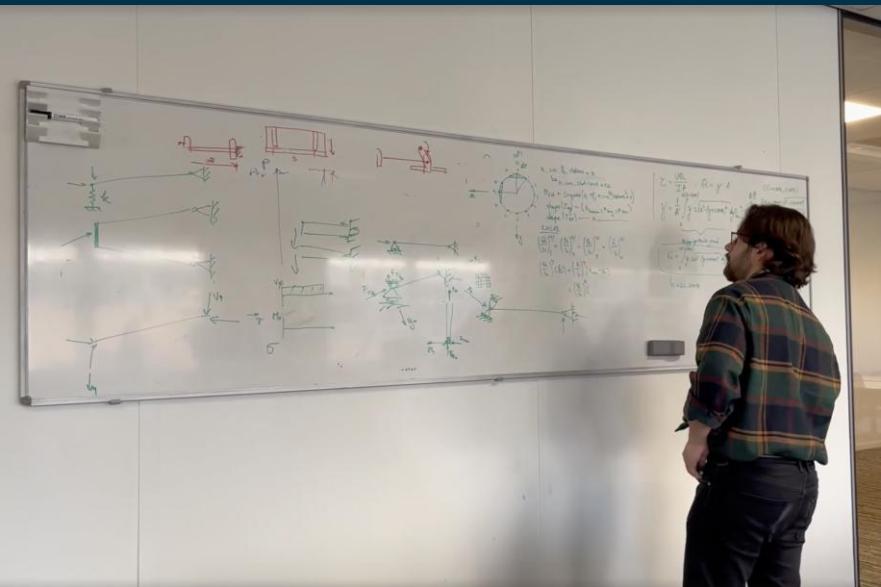
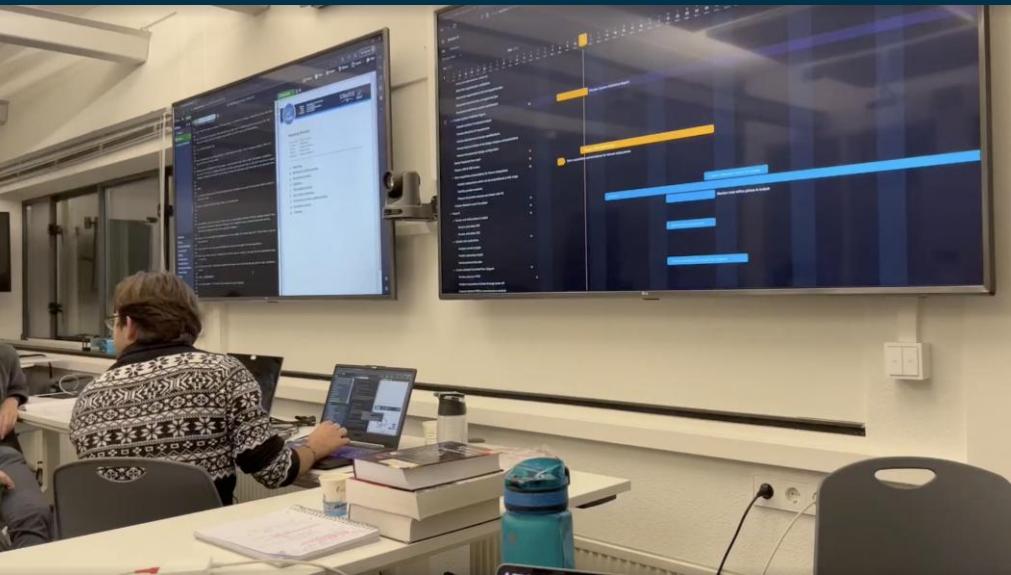
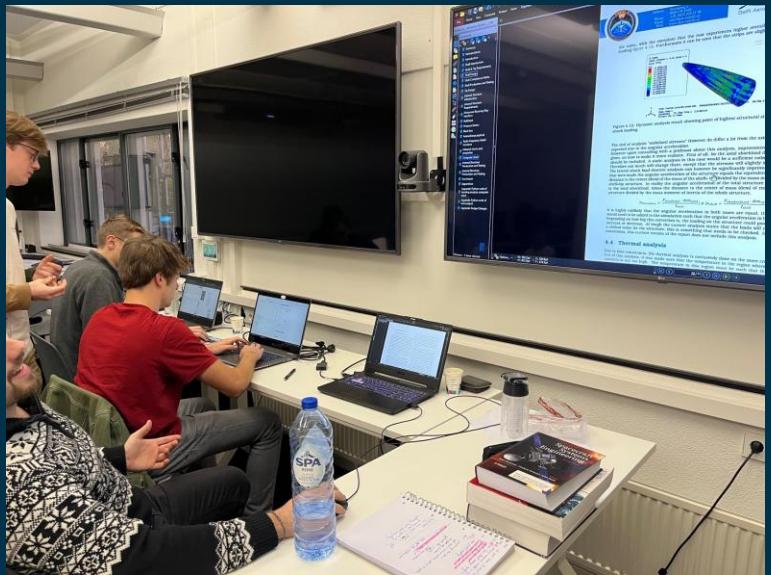


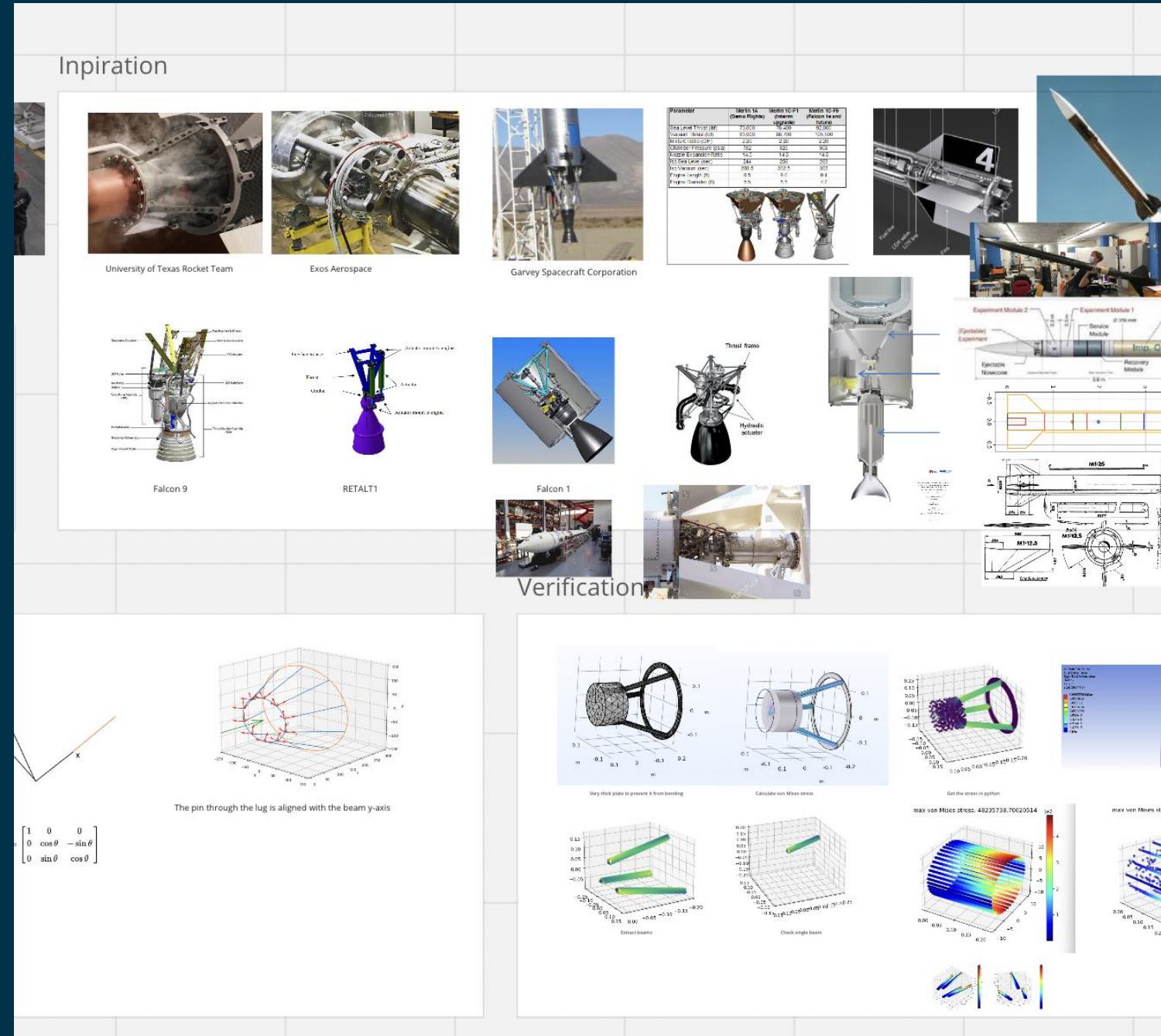
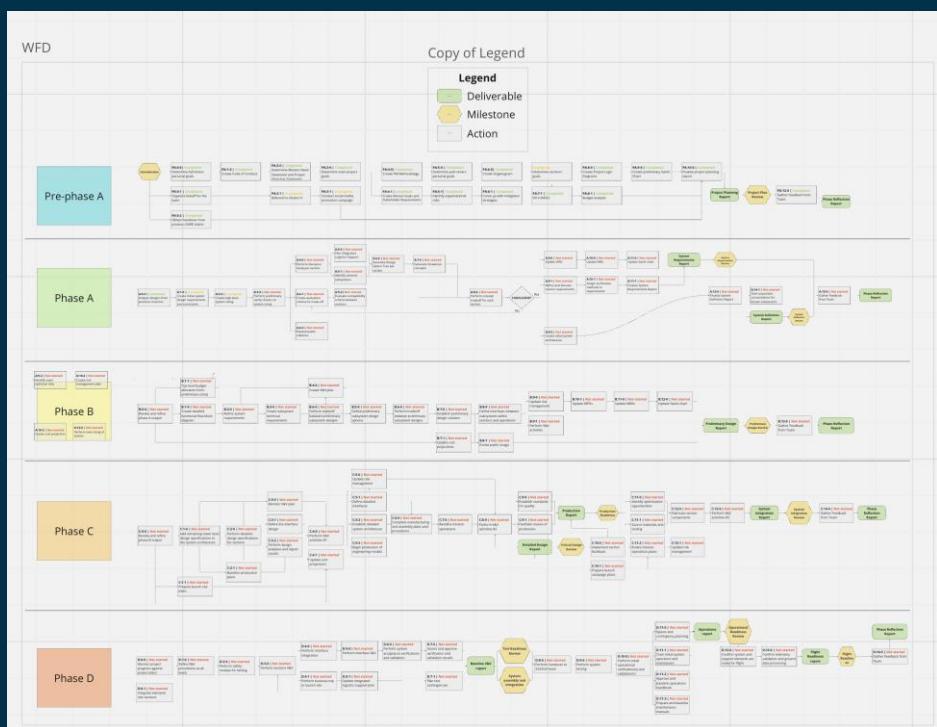
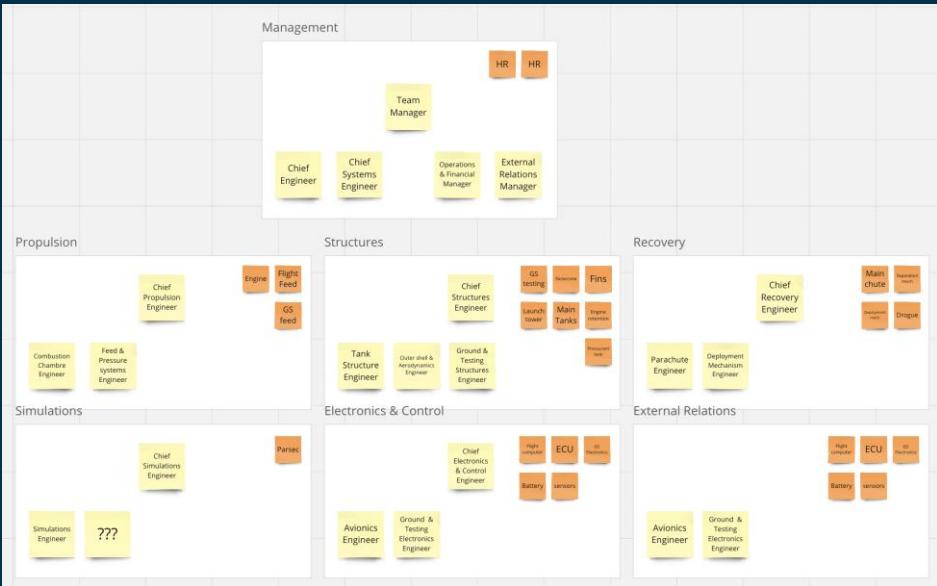
Burn brighter with SPARROW

Project of Delft Aerospace Rocket Engineering





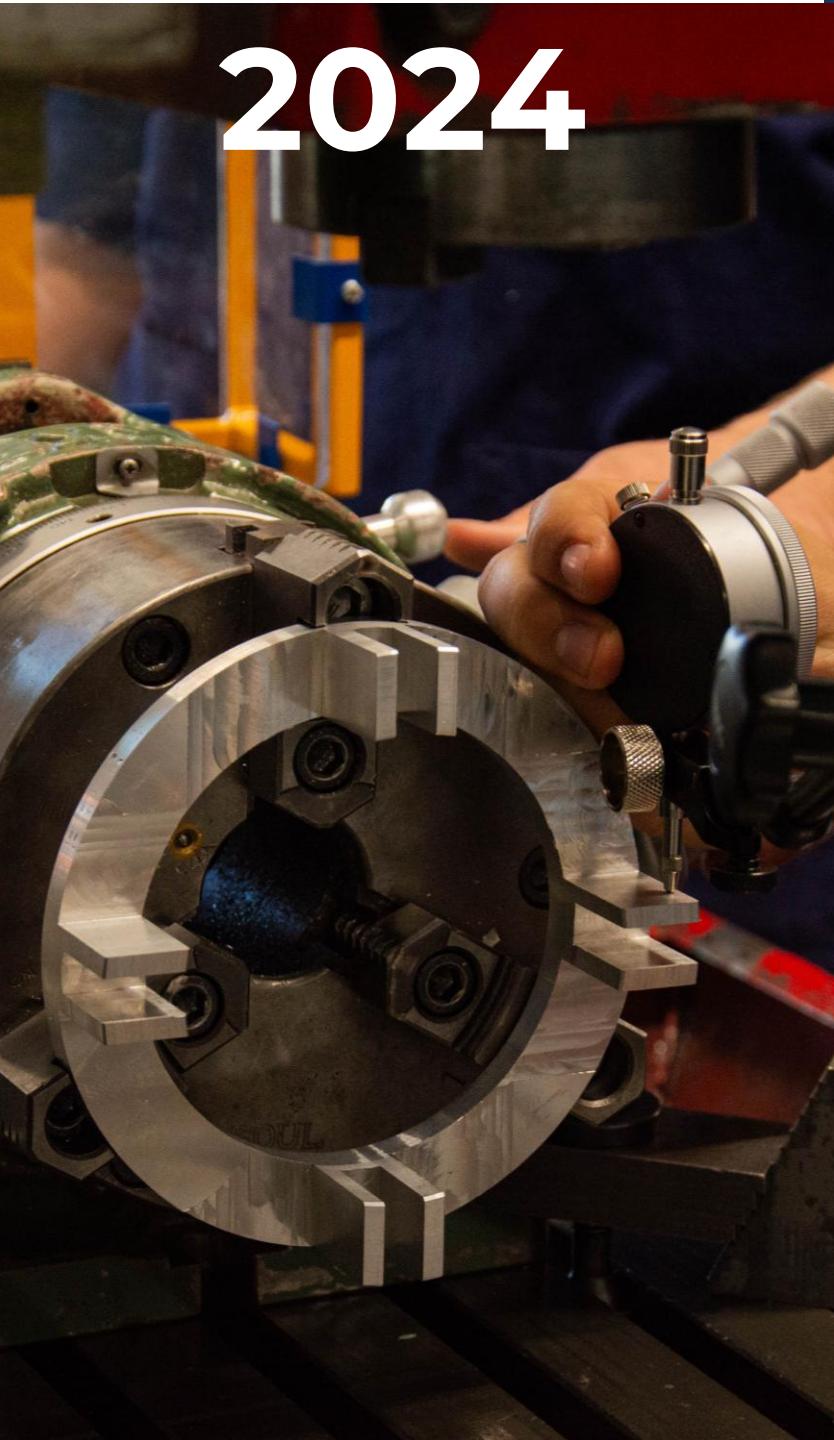




2023



2024



2025



Stratos V
Avionics
Preliminary Design Report

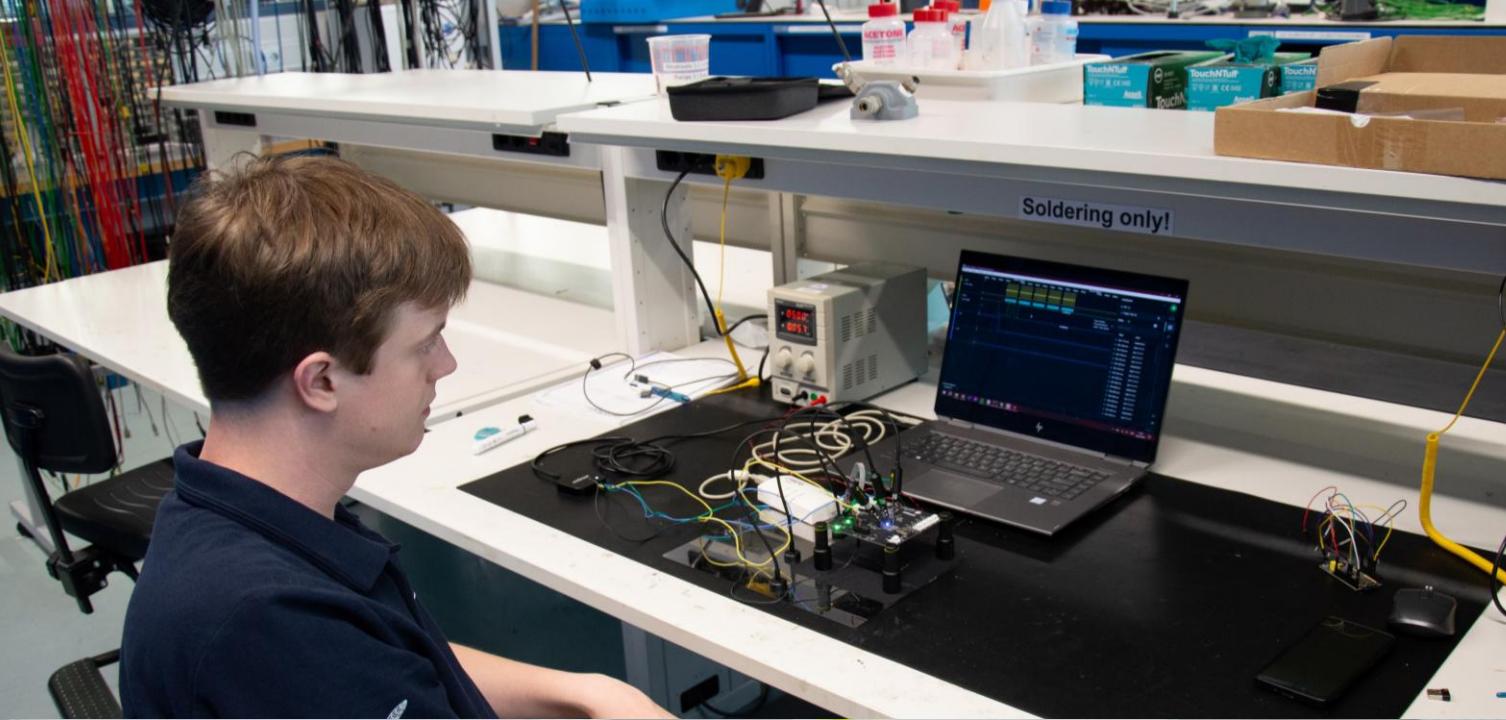


Stratos V
Engine Bay & Feed Section
Preliminary Design Report

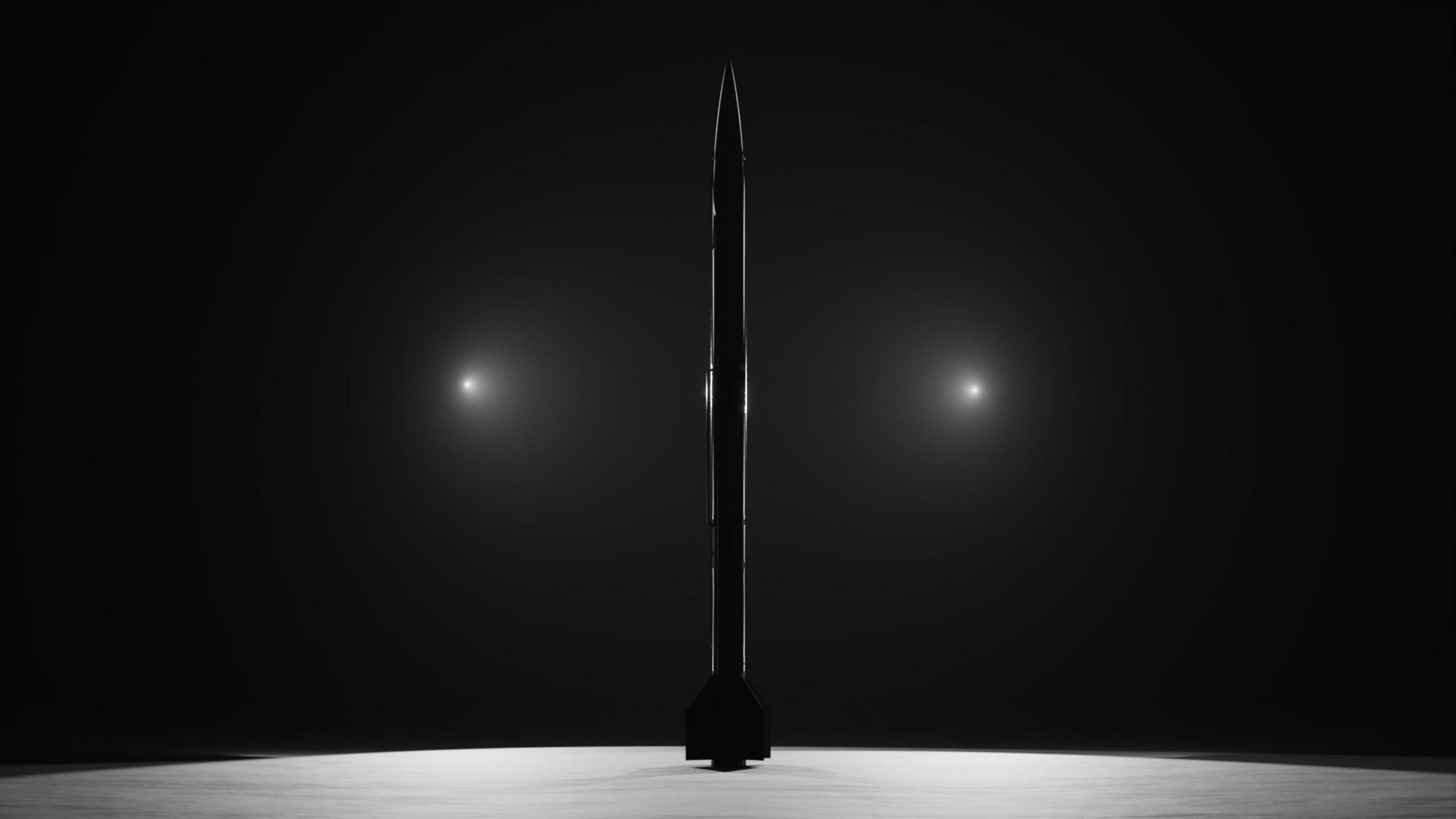


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DARE	Logo	STRATOS
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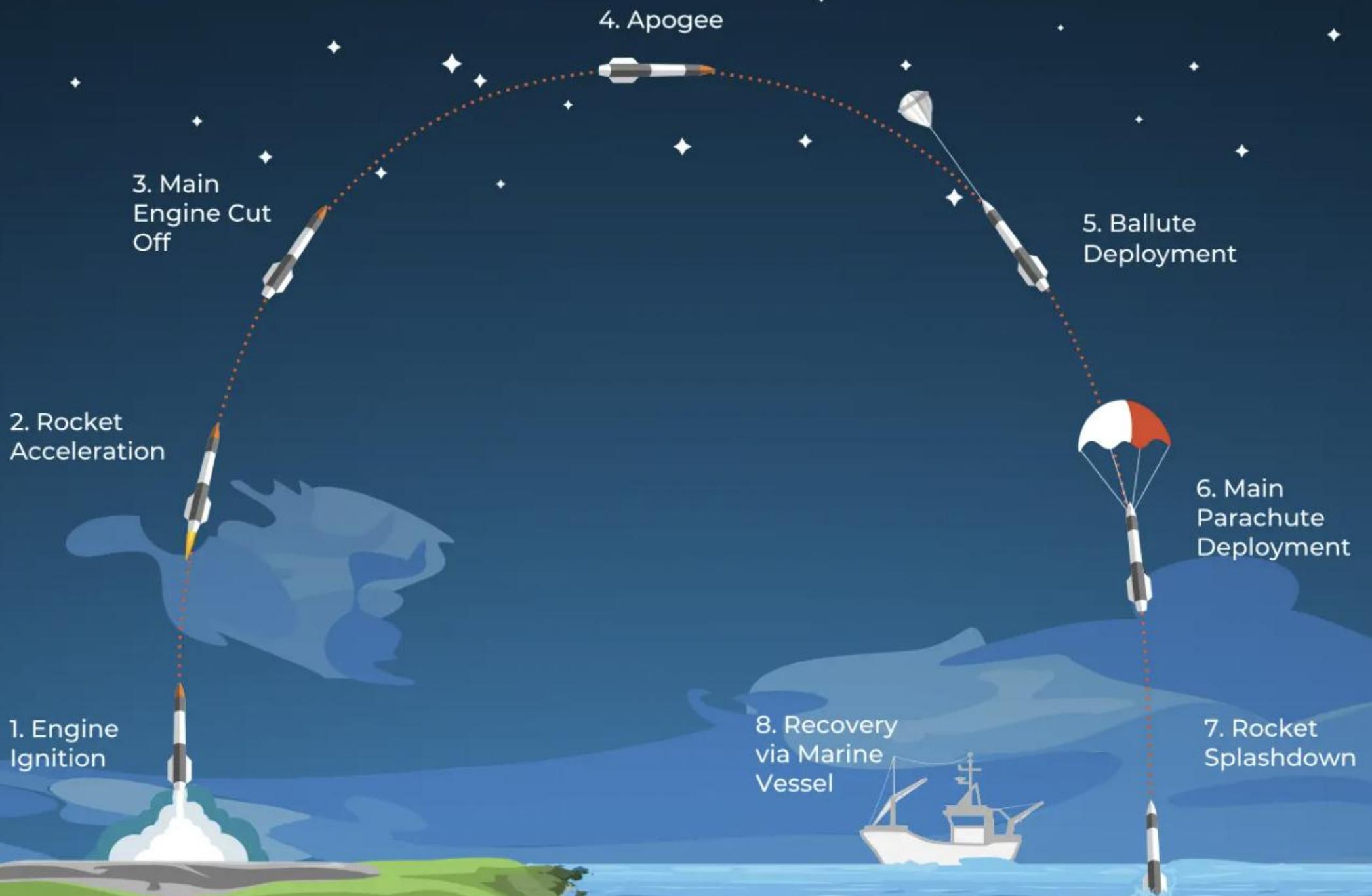


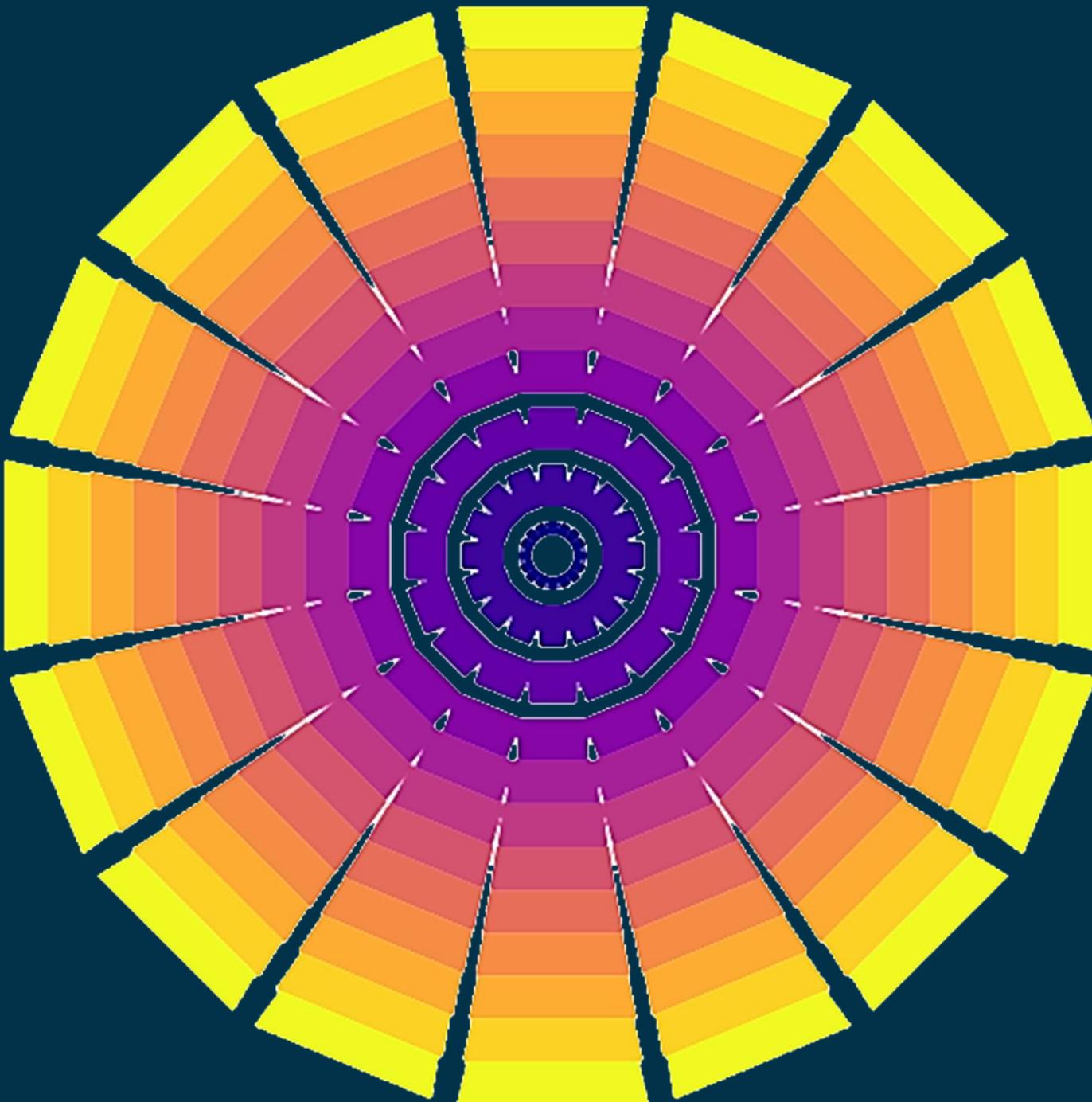


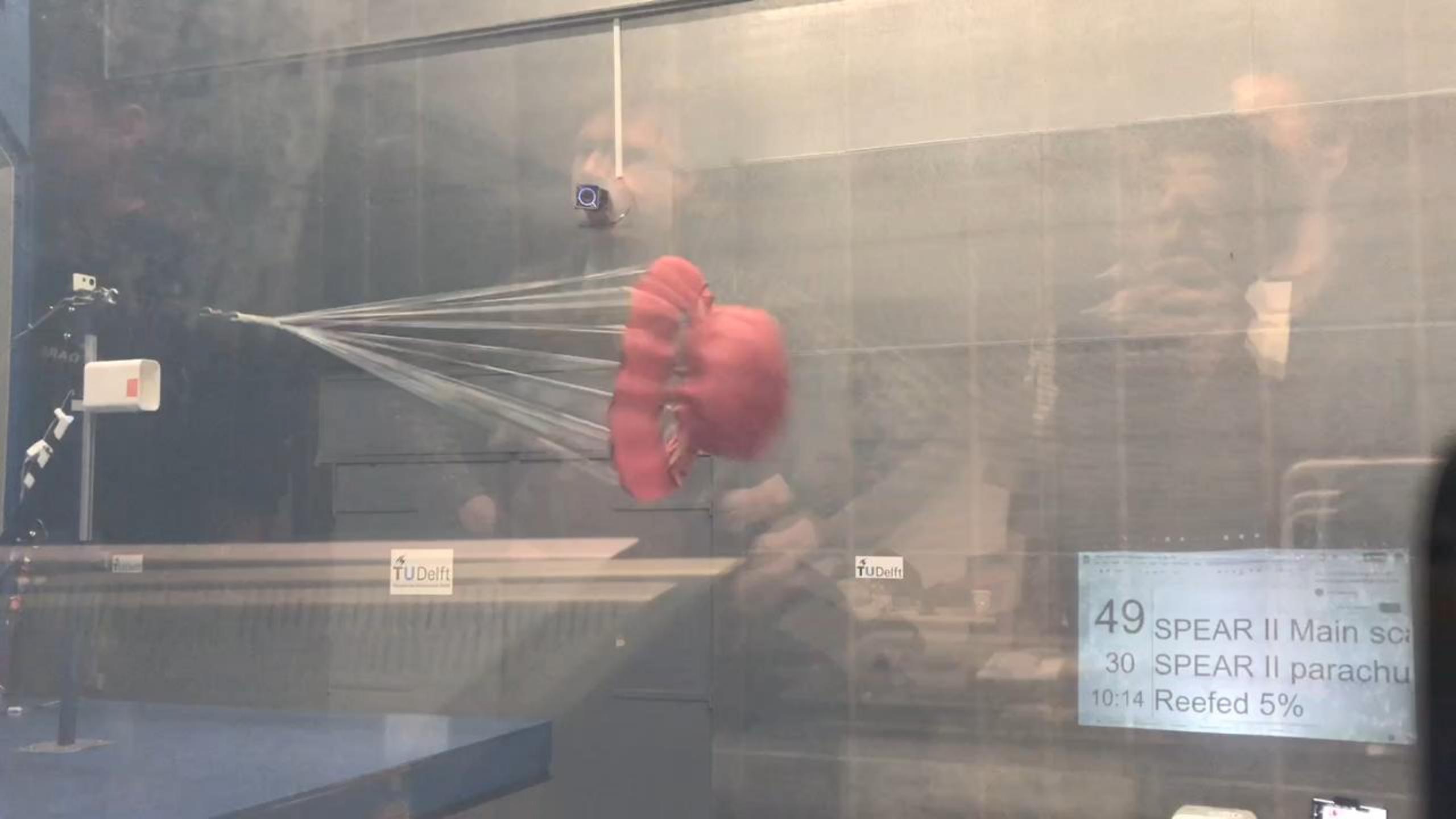
How did we approach designing a fully reusable rocket?



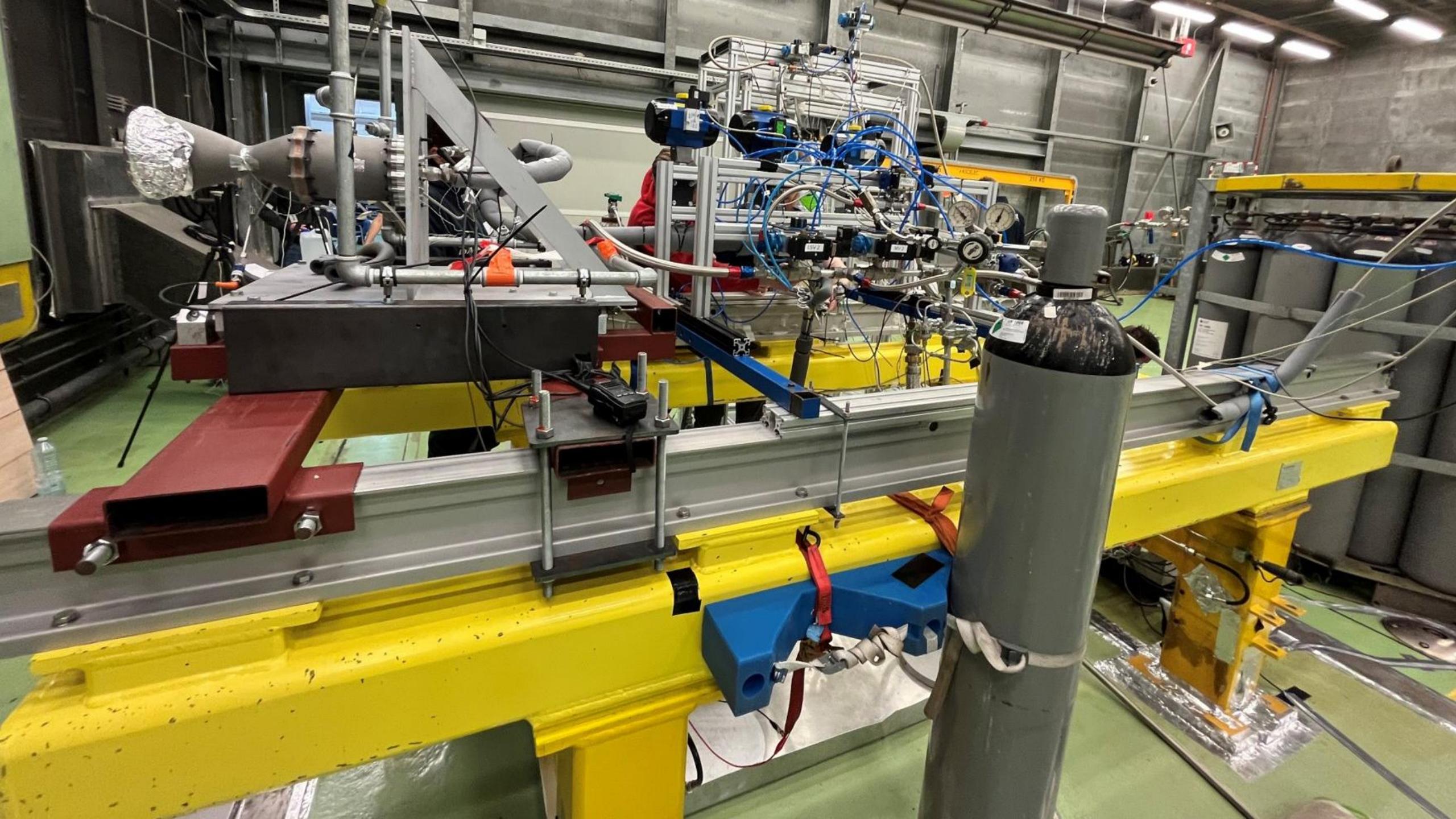




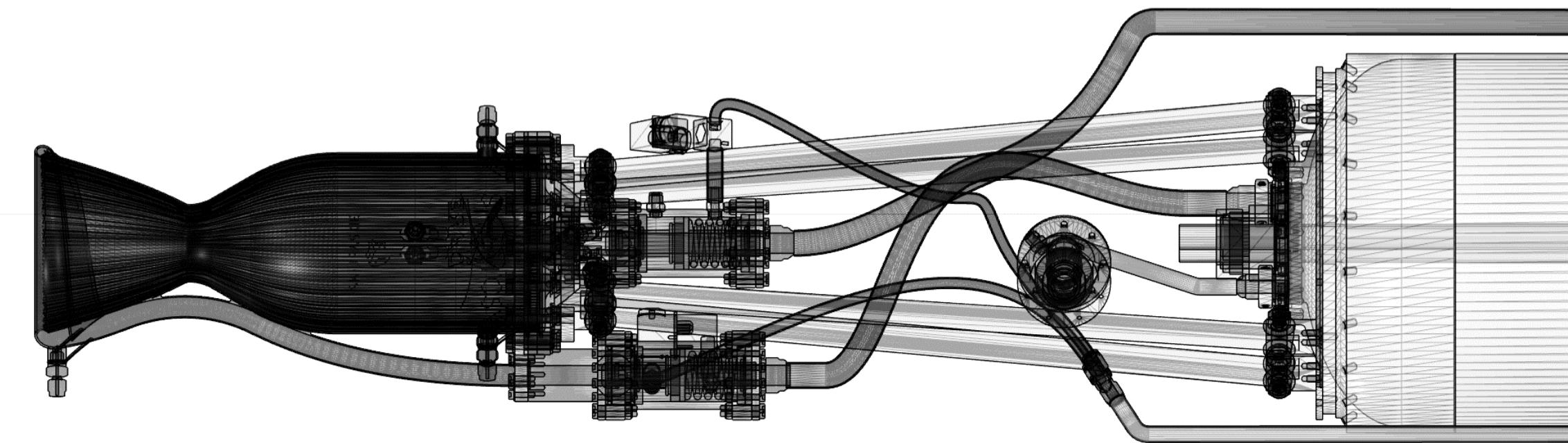


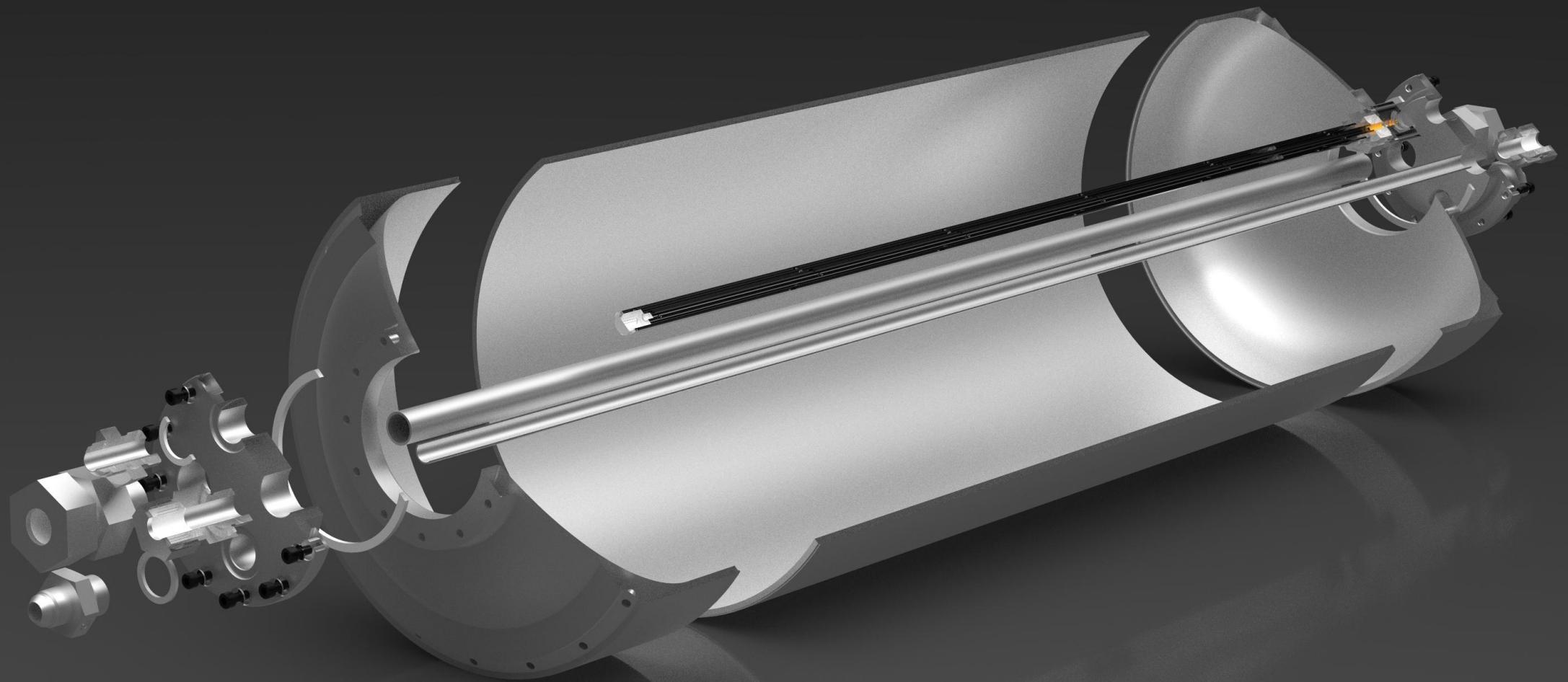


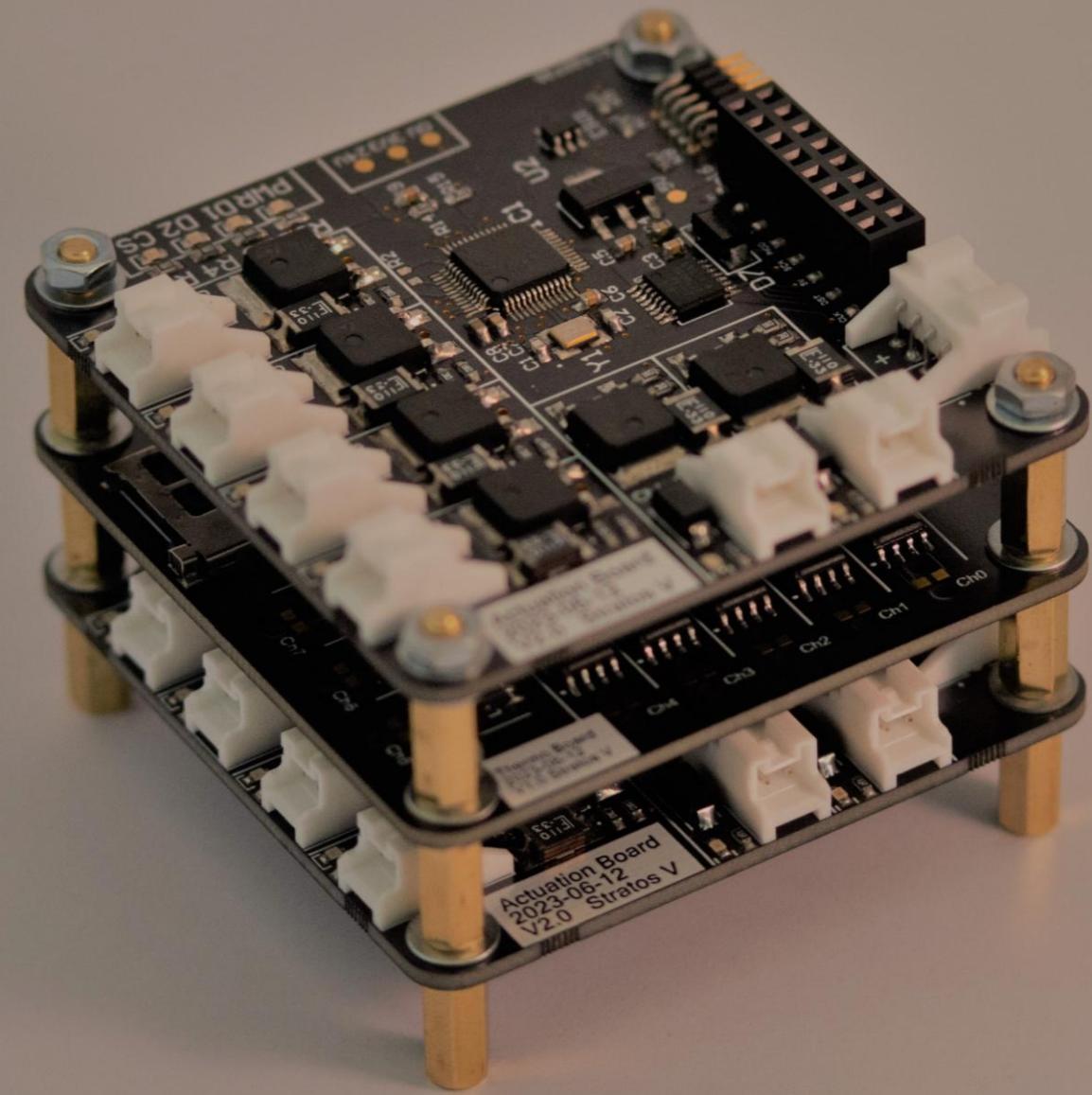
49 SPEAR II Main sc:
30 SPEAR II parachu:
10:14 Reefed 5%



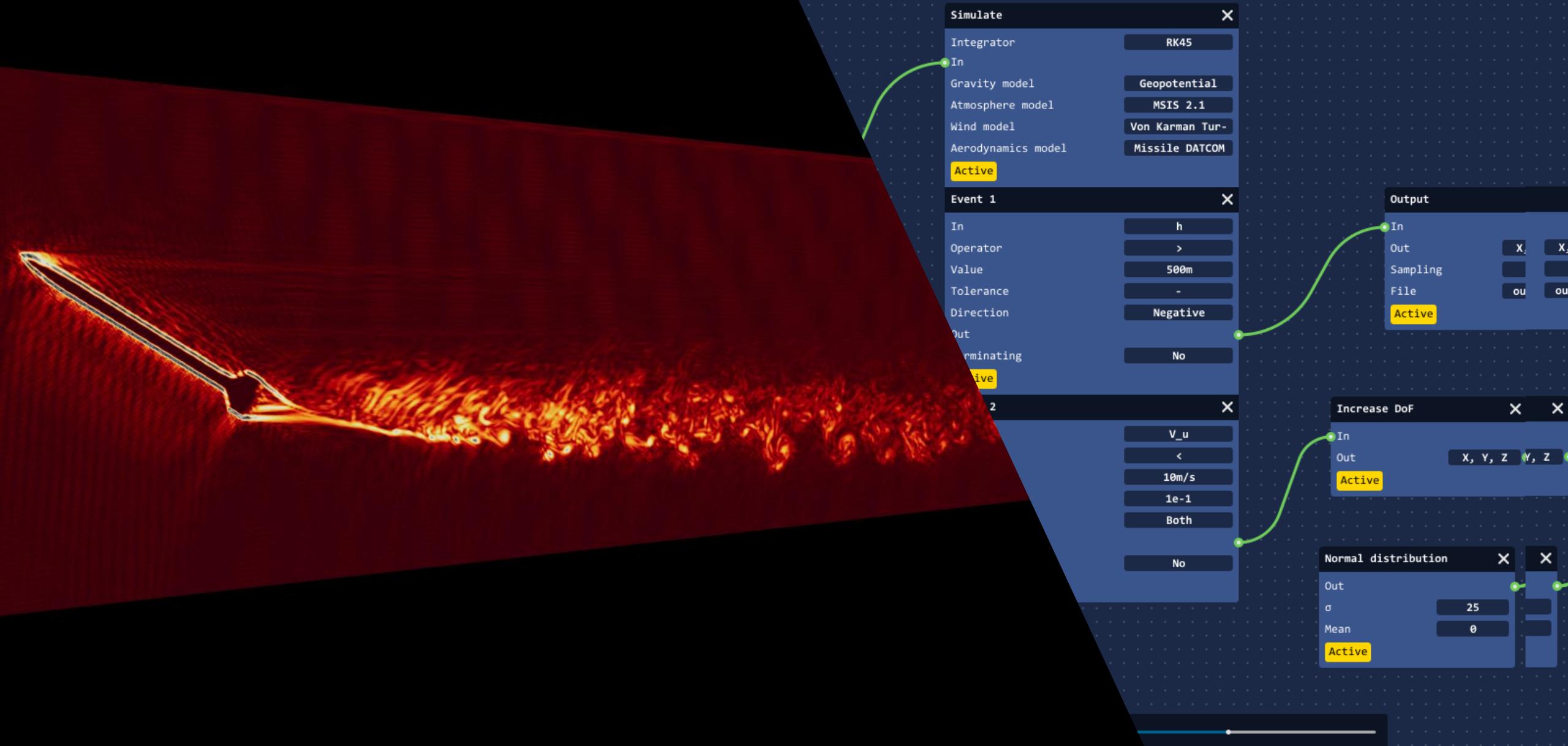


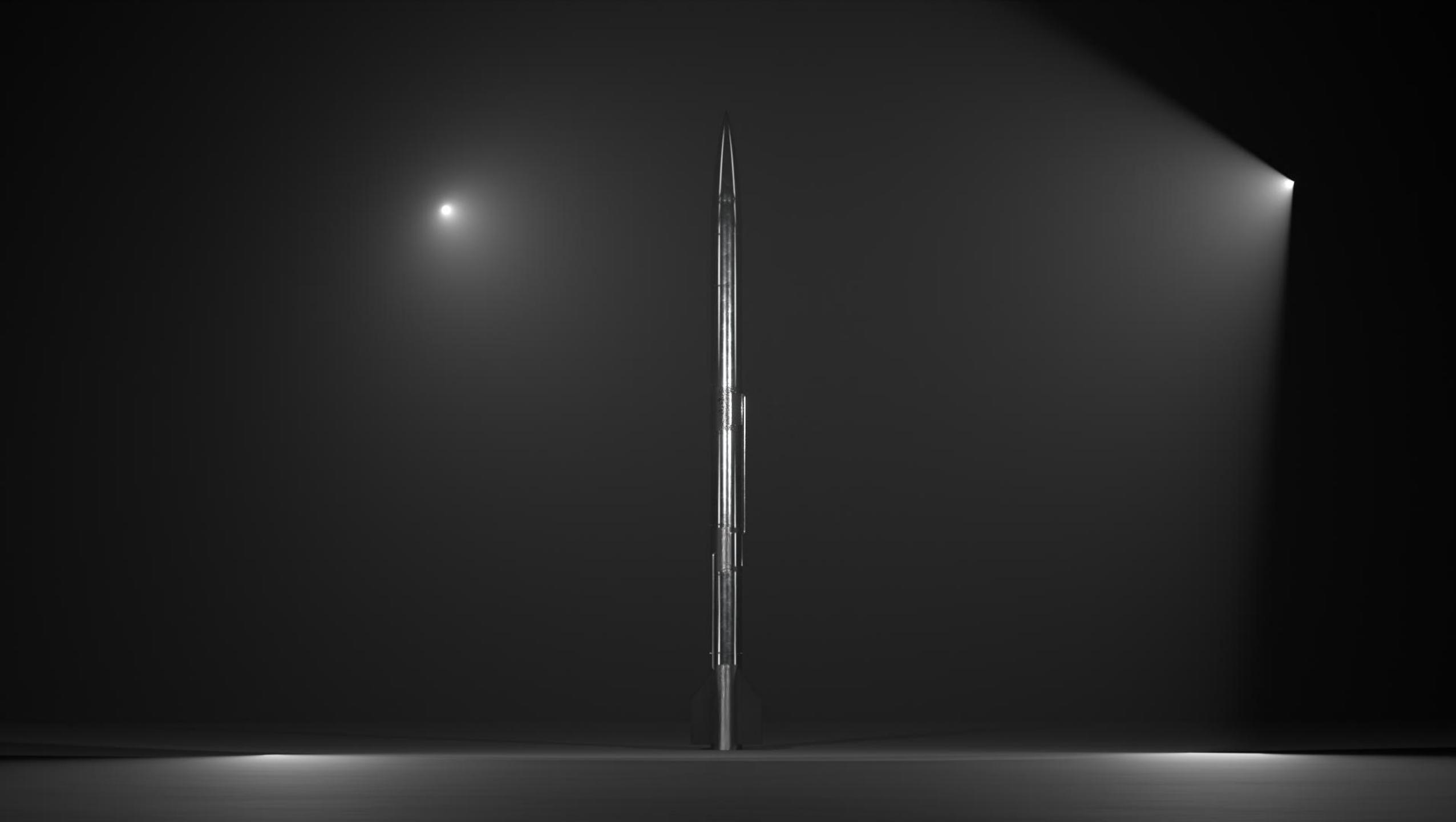






PLOTS





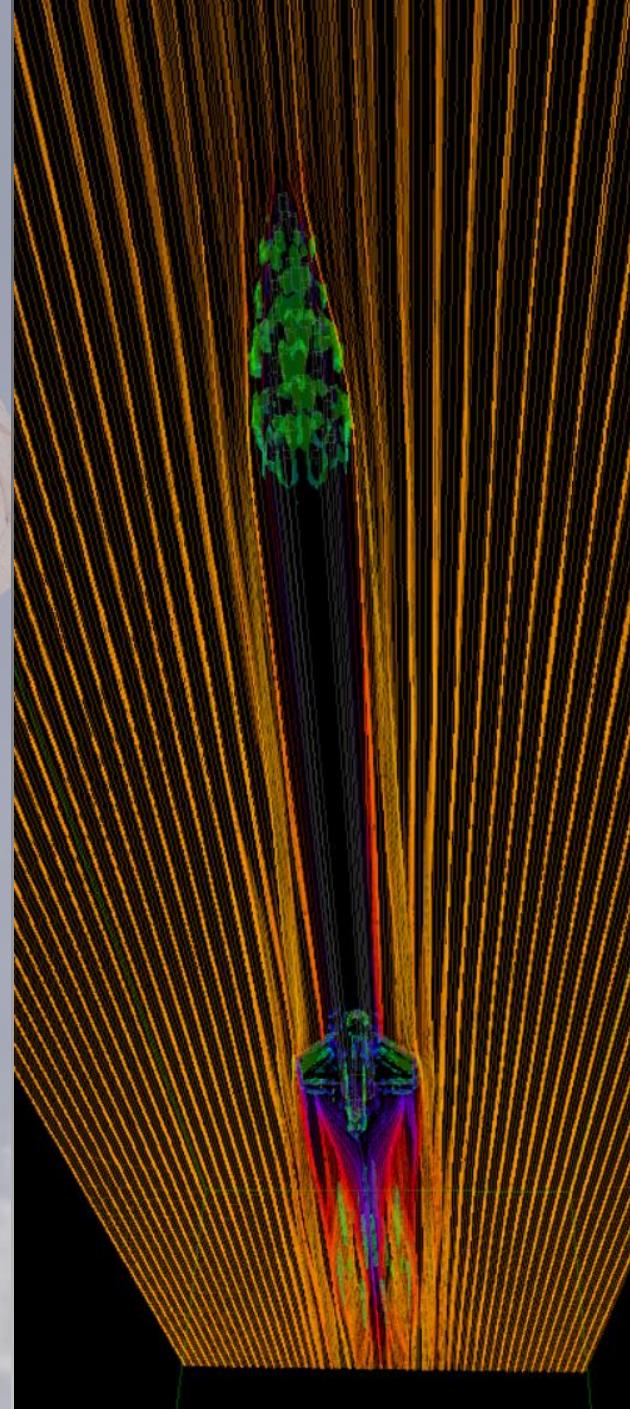


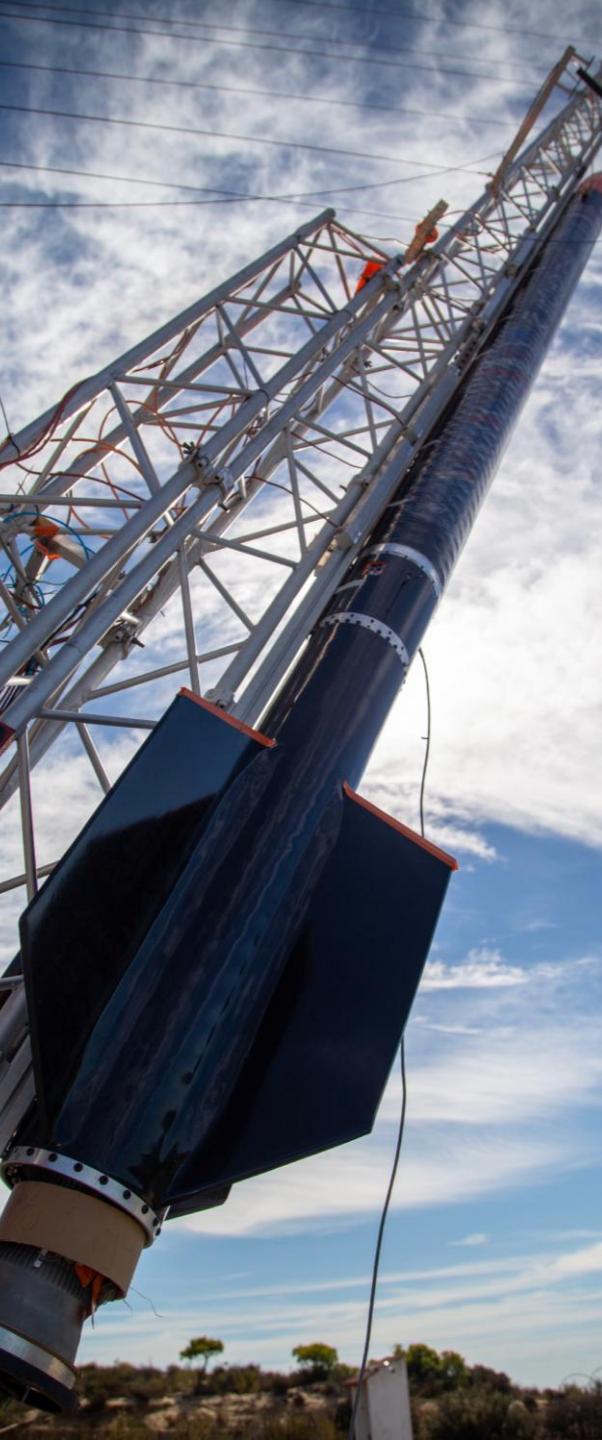
**Let's now meet a few other Stratos V teammembers
and hear what they got up to this year.**



Moving Forward

Stratos V Year 2 2023 - 2024





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