

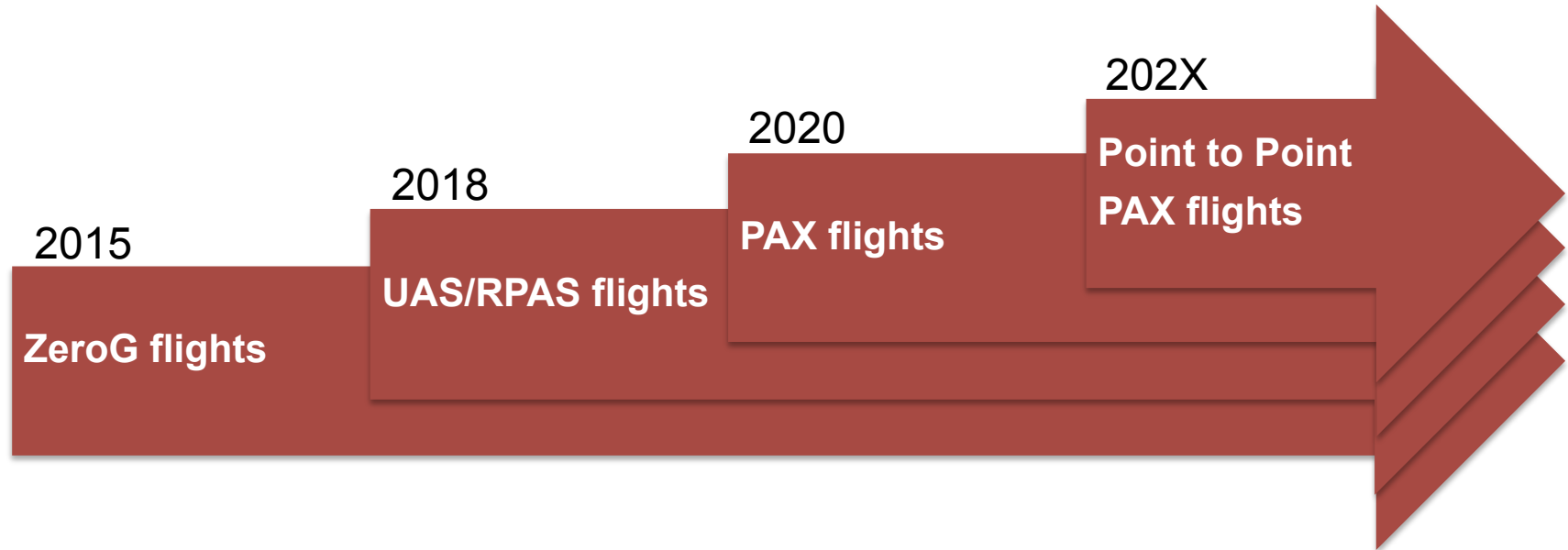


**S3 MESSAGE:
PLEASE SET THE RULES
BECAUSE WE START
NOW!**



OUR ROADMAP: FROM SATS TO PAX

A STEP BY STEP APPROACH



- **Q4/2018:** unmanned sub-orbital flights (UAS/RPAS)
- **2020:** first passenger flights at very high altitude/speed (HST)
- **202X:** 6.000 km point-to-point flights
- **10-15 years perspective:** supersonic intercontinental transport

➔ *Suborbital flight is the future of aviation!*

COLLABORATIONS OVERVIEW

Partners



Civil Aviation Authorities



Technical Advisors

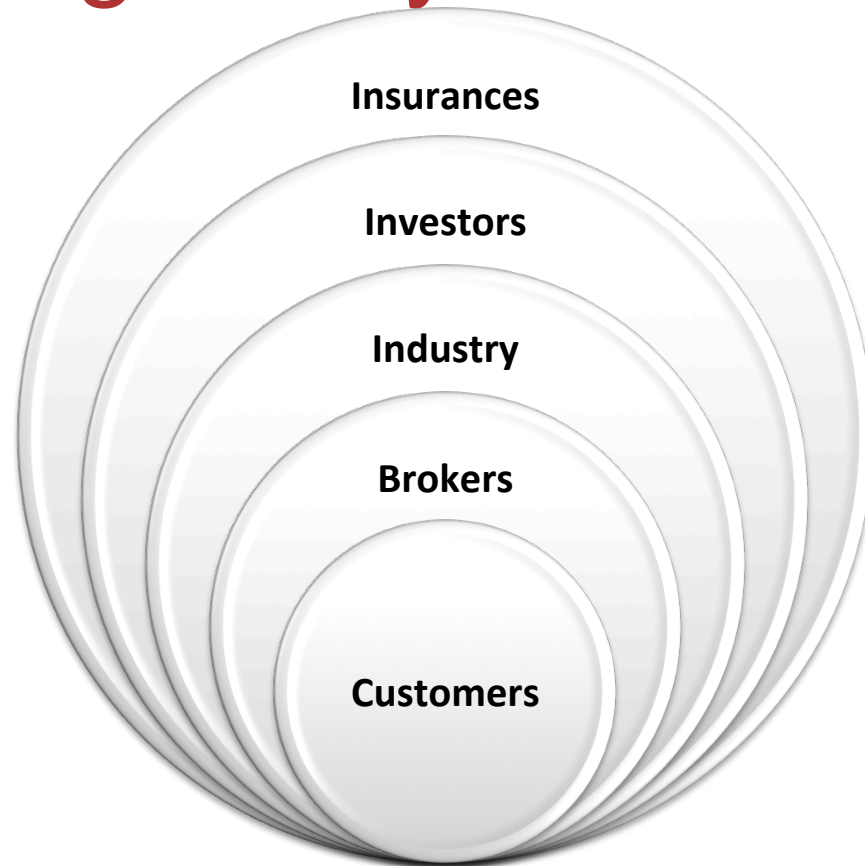


Main Sponsor

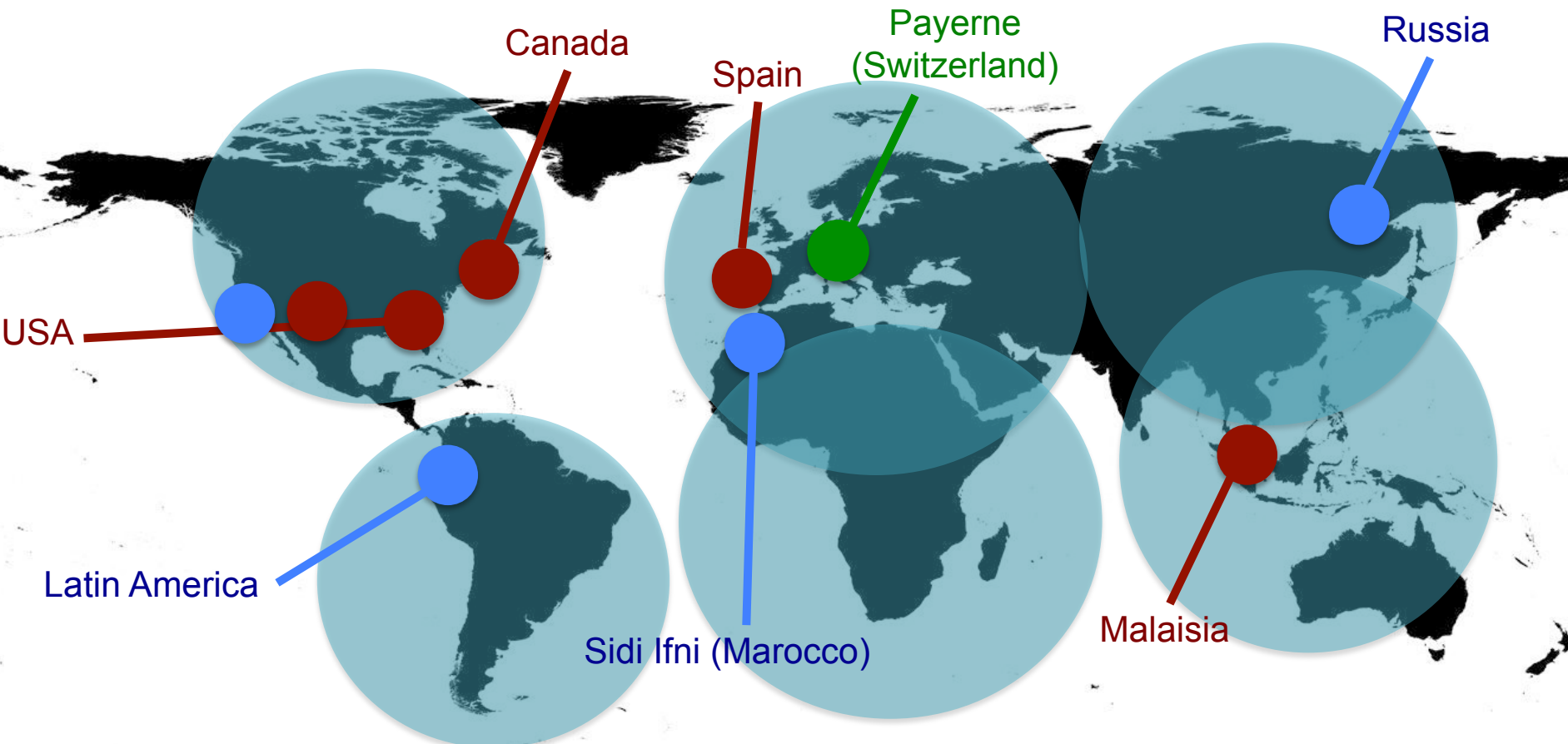


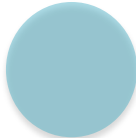
NO SUSTAINABLE BUSINESS WITHOUT A



Regulatory framework



WHY A GLOBAL REGULATORY FRAMEWORK



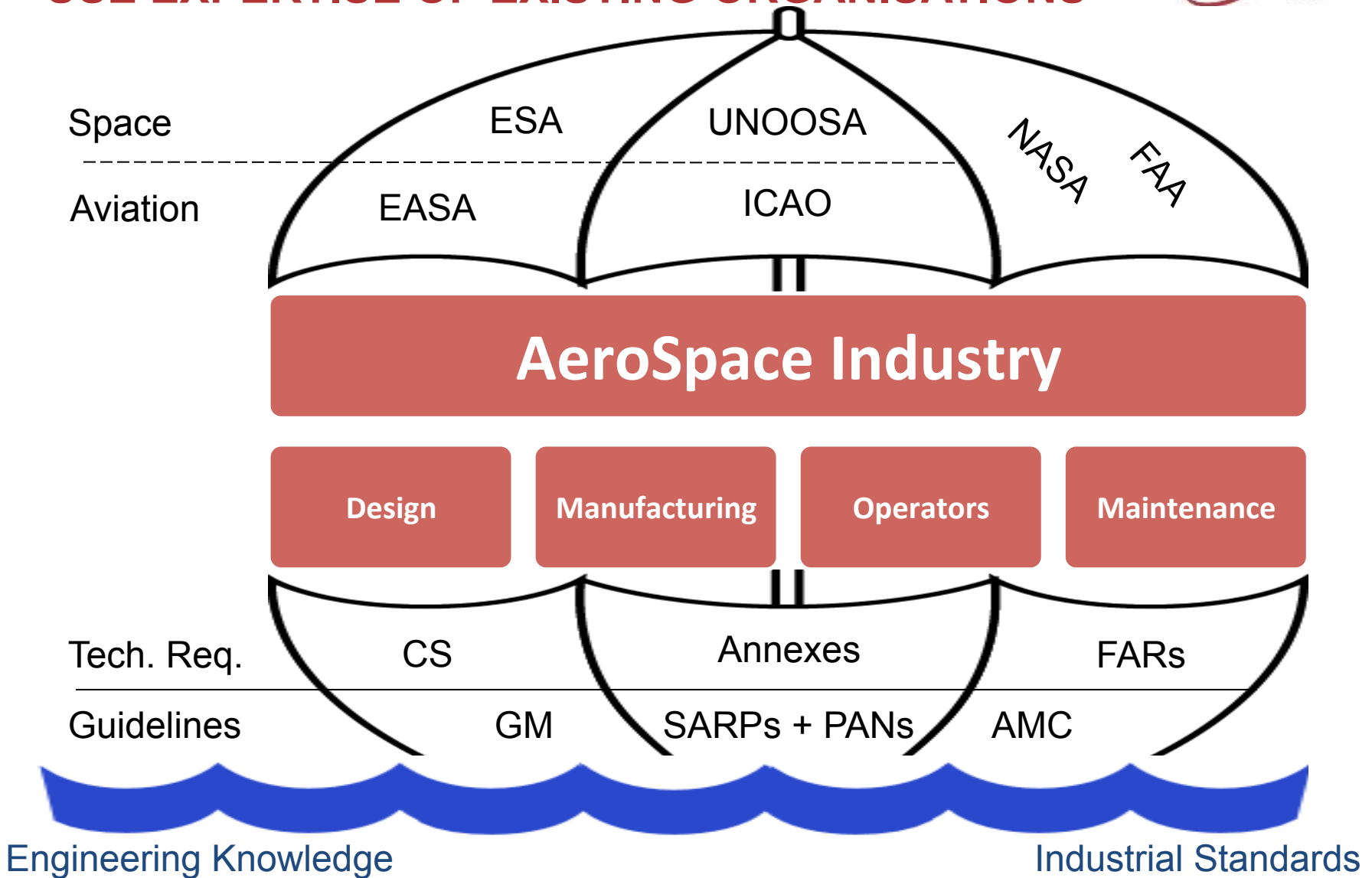
 Area of operations

 S3 Hubs (ongoing)
 S3 Hubs (planned)

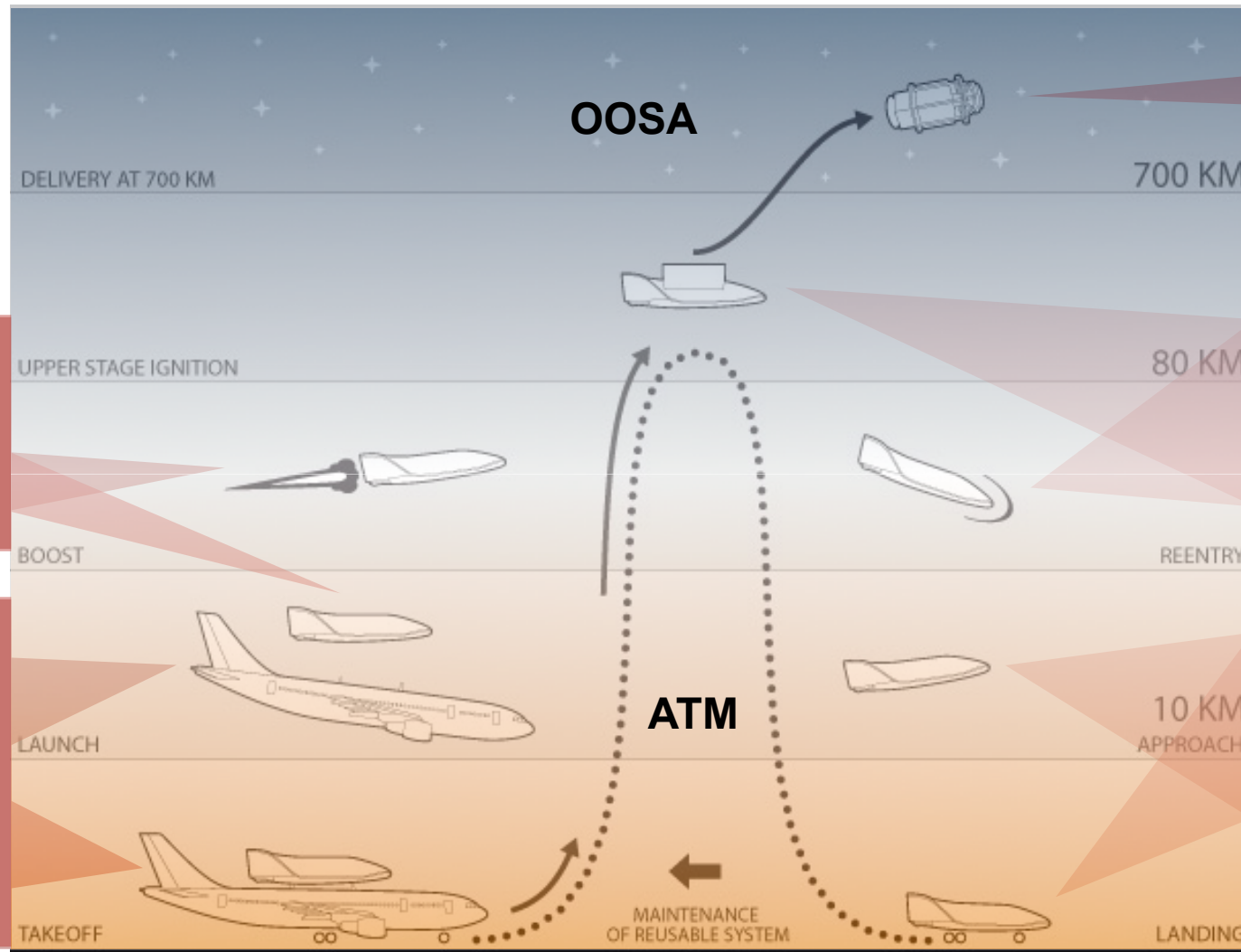
OUR PHILOSOPHY : DO NOT REINVENT THE WING!

- No change to the engineering baseline: **use of available knowledge**
 - No compromise about safety: **$10^{-4} > \text{Safety Objective} > 10^{-5}$**
 - No dedicated airport and/or airspace: **ADR + ATM/ANS**
 - No written informed consent provided by each flight participant: **not applicable in every country**
 - No altitude restrictions: **100 km (328 kft) AMSL would restrict commercial applications**
 - No speed restrictions: **sub-orbital flights are defined by trajectory only**
- ➔ Tailor the rules and use the expertise of existing organisations!**

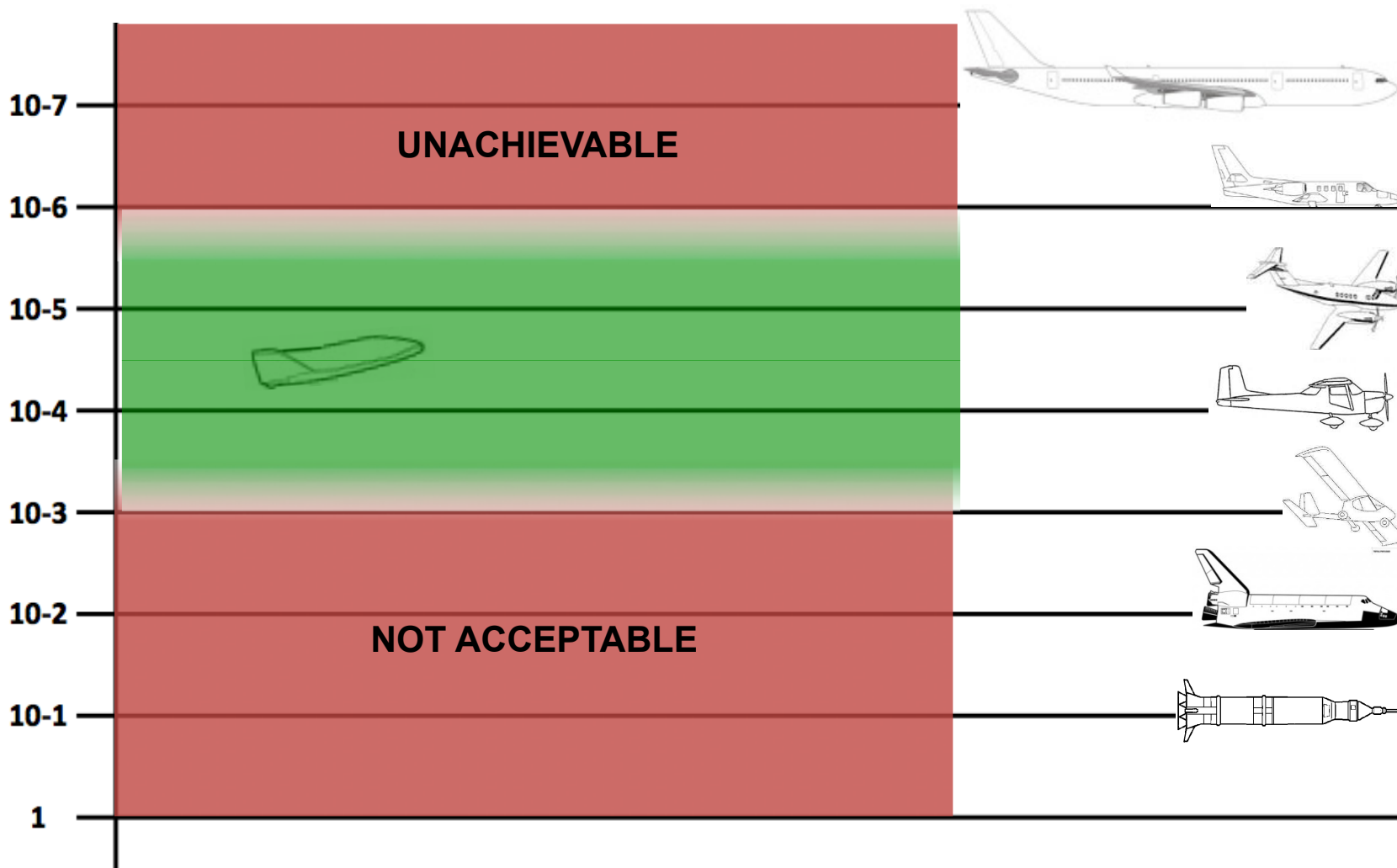
USE EXPERTISE OF EXISTING ORGANISATIONS



TAILOR EXISTING REQUIREMENTS & STANDARDS



SOAR TARGETED LEVELS OF SAFETY





S3 SAFETY TARGET:

P FATAL ACCIDENT $< 10^{-5}$ / FLIGHT



**THANK YOU FOR
YOUR ATTENTION!**

WWW.S-3.CH

The background features a view of Earth from space, showing the blue atmosphere and green landmasses. Overlaid on this are several white orbital paths and a central grey dot, suggesting satellite technology. The text 'SPACE FOR ALL' is prominently displayed in the center.

SPACE FOR ALL[©]

SWISS SPACE SYSTEMS