

A photograph of an astronaut in a white spacesuit floating in the vastness of space. The astronaut is positioned in the upper right quadrant, with their arms outstretched. The background is a deep black void filled with numerous stars of varying brightness and colors, including a prominent blue star. A thin, bright blue arc of the Earth's atmosphere is visible in the lower half of the frame, separating the dark space from the planet's surface. The overall scene conveys a sense of exploration and the vastness of the universe.

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Akademische Raumfahrt Initiative Schweiz

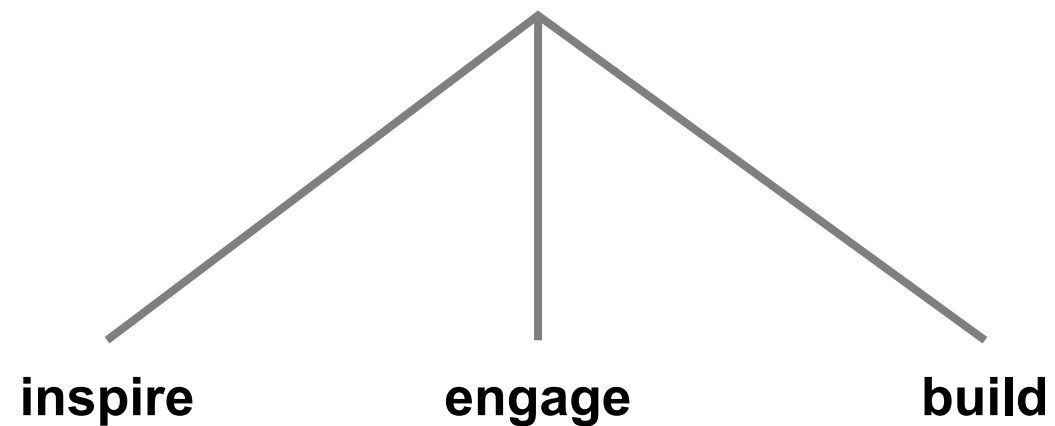
– Space to grow –



interdisciplinary. intercultural. extraordinary.
Made in Switzerland.
Meant for Space.

EST. 2017

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Nothing declares world-changing ambition like a space rocket

—
Ours will be entirely student built.



Educate students in complex product development and testing



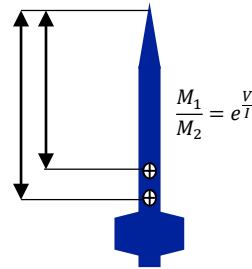
Form creative, resilient and assertive engineers



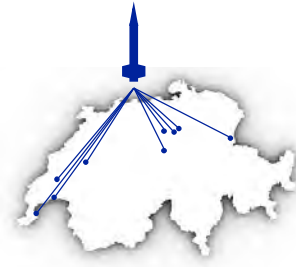
Create a bubble for space enthusiastic, innovative students

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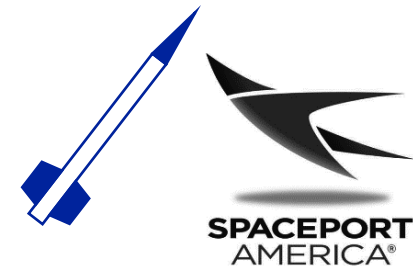
Step by step to the stratosphere



Create a knowledge base in rocket science



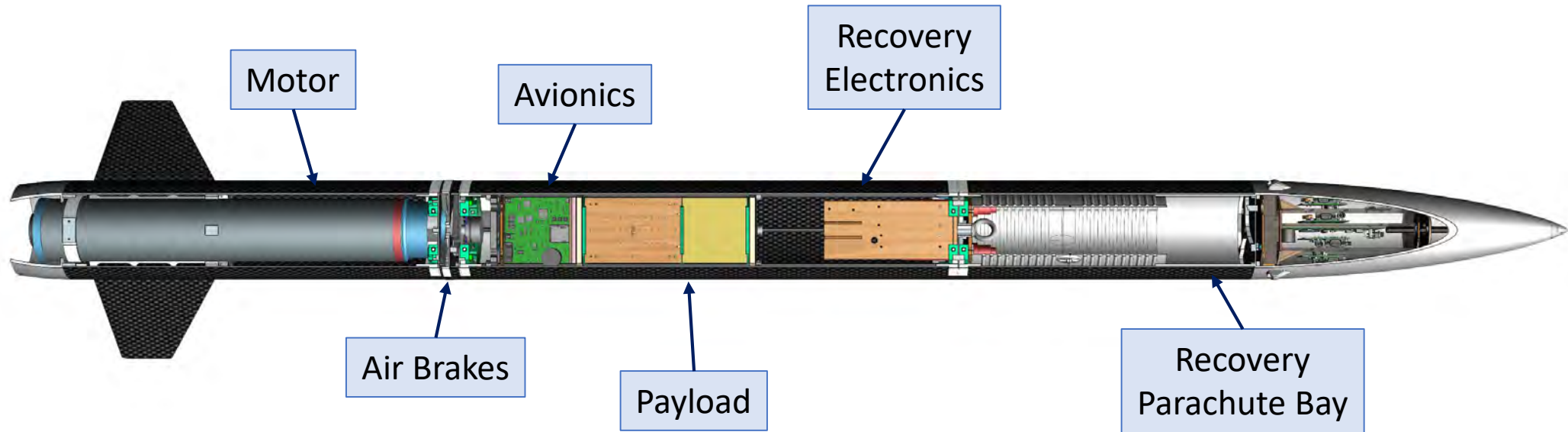
Establish a partner network across Switzerland



Build a rocket for the annual Spaceport America Cup



Designing

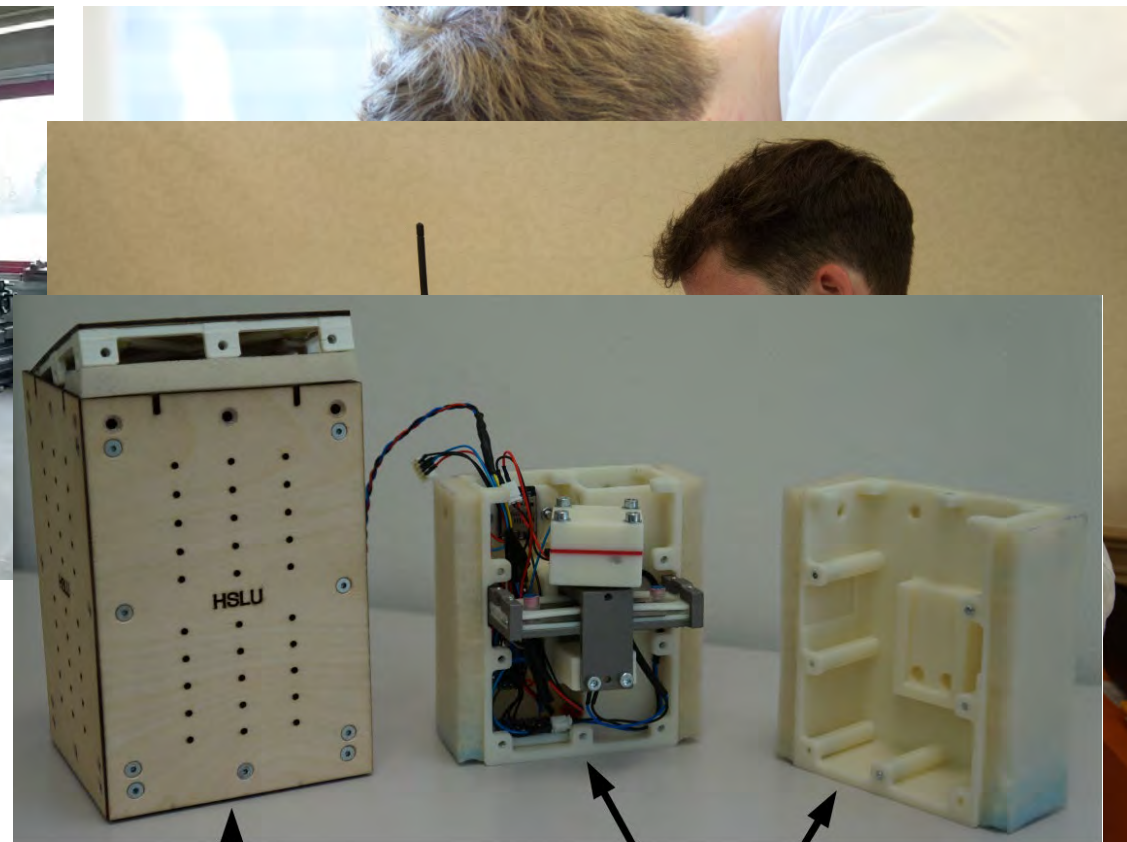
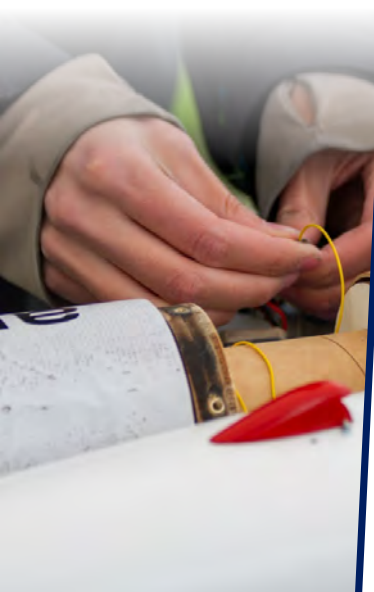


Target Altitude	10,000 ft. AGL
Lift-off weight	23 kg
Length	2419mm
Diameter	150mm
Motor	Aerotech M2400
Recovery	Dual Parachute Event
Payload	Bio Experiment (HSLU)
Altitude Control	Air Brakes





Manufacturing

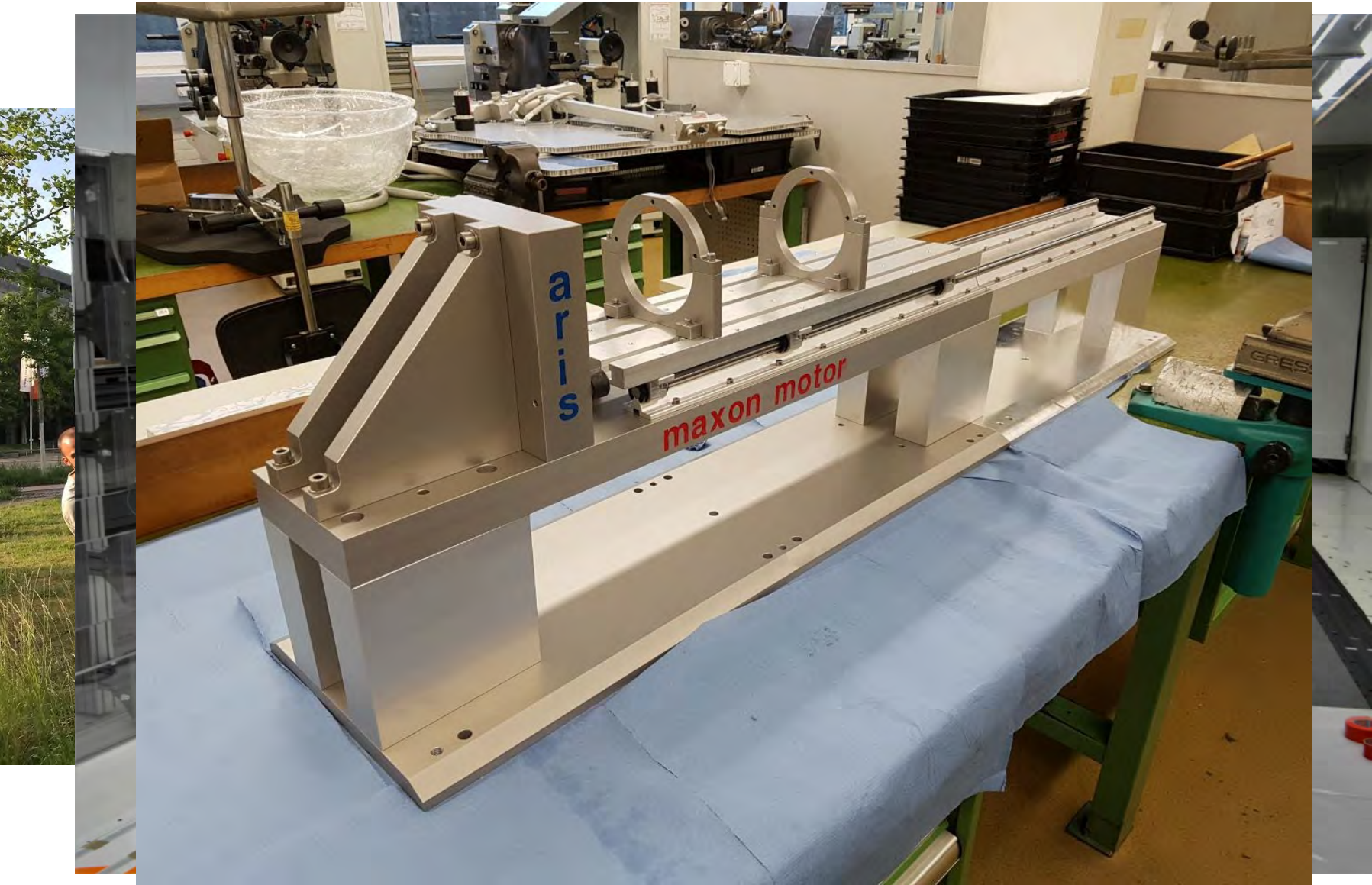
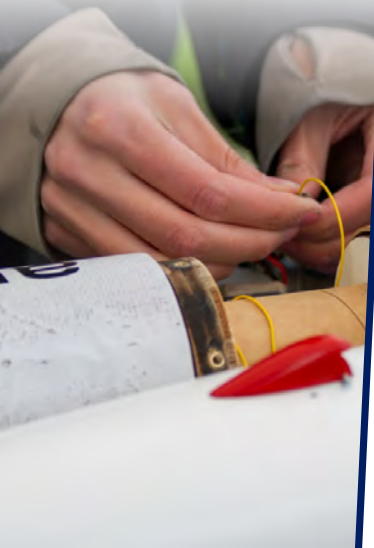


Outer housing

Inner housing with experiment



Testing







LAS CRUCES CONVENTION CENTER



UMBRA



BARLAS





Charles Hoult Award for Modeling and Simulation - Team 100 - ETH Zurich
Jim Furfaro Award for Technical Excellence - Team 35 - Ecole Polytechnique Fédérale de Lausanne



The Team



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LAUNCHES



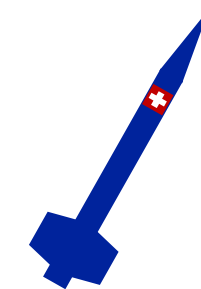
20+

INDUSTRY PARTNERS



50+

STUDENT MEMBERS



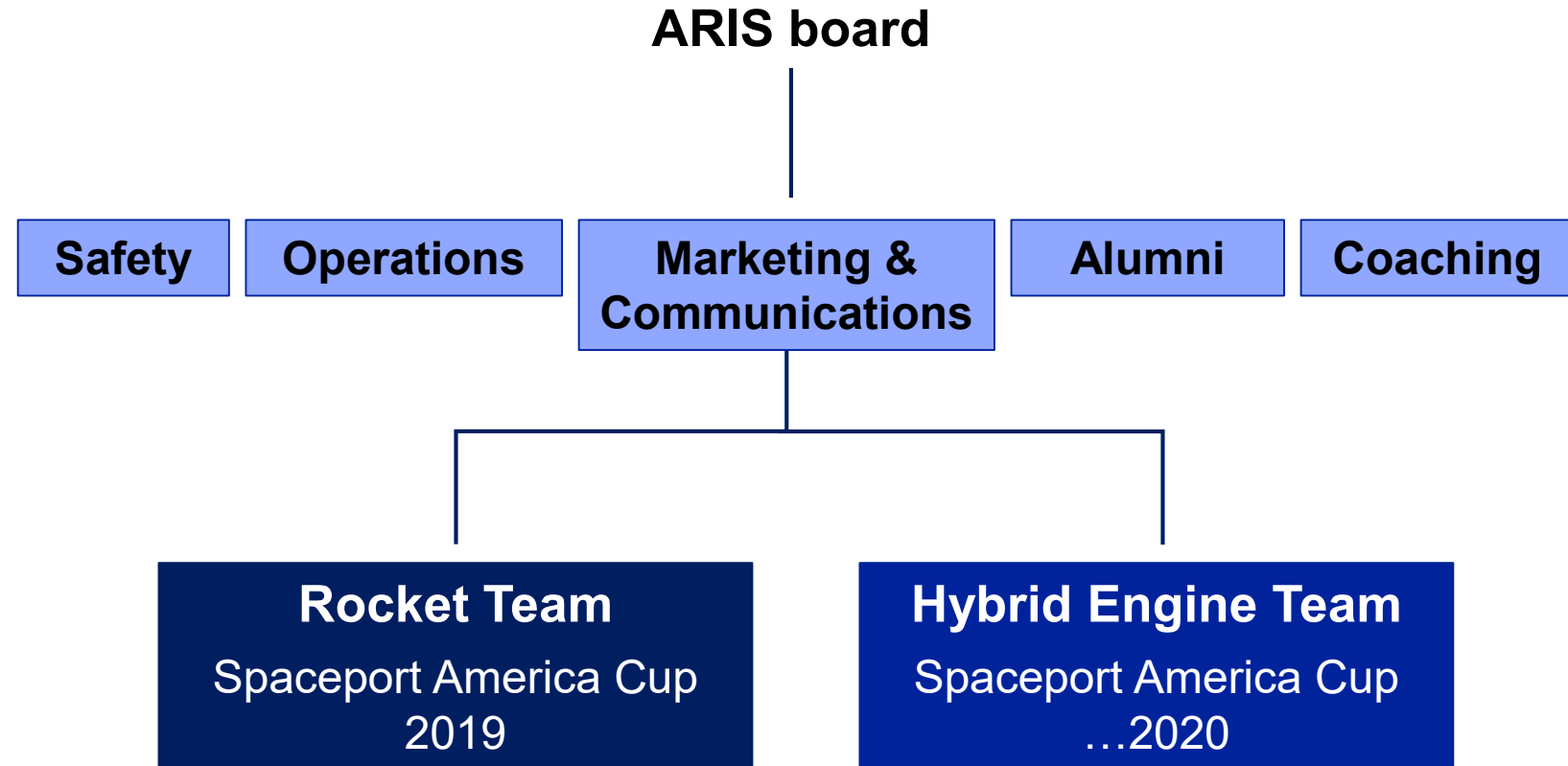
ETH zürich

Lucerne University of Applied Sciences and Arts

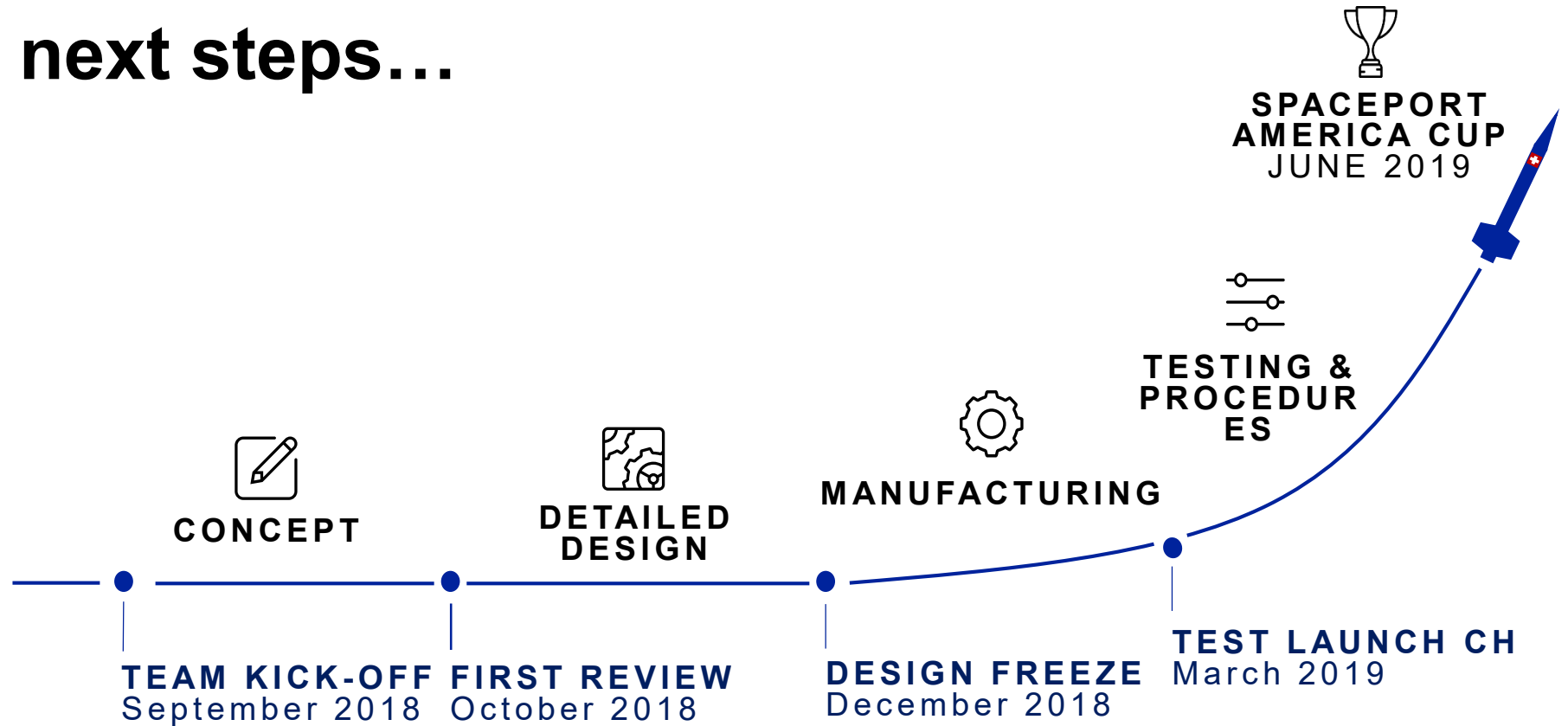
HOCHSCHULE LUZERN

Technik & Architektur

Step by step to the stratosphere



The next steps...



Sounding Rocket – Spaceport America Cup 2019

Hybrid Engine & Test bench development



To pave the way for the next level...

Be part of it!

System Engineer (Electronics)

System Engineer (Payload)

Core Team Member (Recovery)

Payload Challenge

Contact us via

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