Aerospace Team Graz – Who are we?

- Founded in 2019
- 86 members
- 18 fields of study
- 3 competition rockets
- 5 awards at EuRoC
- Overall winner 2023
EuRoC – European Rocketry Challenge

• Goal: Carry scientific payload to exact target height
• 4 categories (Documentation, Design, Team, Flight)
• 45+ applications
• 25 teams from all over Europe
• 600 students
How do we build rockets?
Timeline

Nov - Dec
- Kick-Off
- Concept

Jan - Mar
- Design
- Calculation

Apr - Jun
- Production
- Assembly

May - Aug
- Testing
- Testflight

Sep
- Report
- Flyout

Oct
- EuRoC
Payload: 3x1U CubeSats (4kg)

Wet mass: 32 kg

Mach 0.8

Impulse: 11000 Ns

Acceleration: 6g

Length: 3.6 m

Diameter: 152 mm

Burn time: 5 s

Max. thrust: 2.5 kN

Telemetry: 16 km
Why we build rockets:

• Knowledge → Application
• Project management
• Cooperations
• Passion for space
The sky is no longer the limit!

www.astg.at
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Aerospace Team Graz