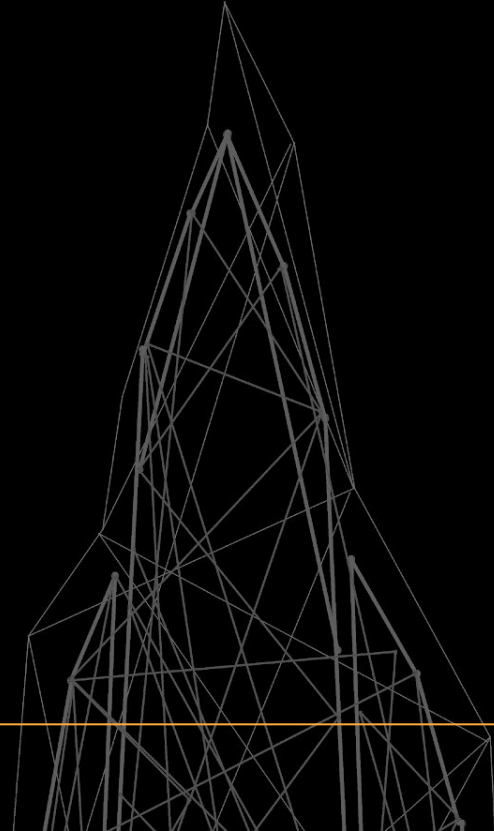


TU WIEN
SPACE
TEAM

World Space Forum

Moritz Novak



**“Sie sind die größte Hoffnung, die Österreich
auf ein Raumfahrtprogramm hat.”**

**“They are the biggest hope for a space programme
Austria currently has.”**

An Austrian science blog

Overview

1. The team
 2. Our projects
 3. What drives us
 4. How we create value
-

The Team



The Hound

3,5 m total length

28 kg wet mass

120 km projected apogee



The Hound

Two launches, maximum apogee at 13 km

Third attempt: September 2020





Space Challenge

- Launch until 2021
- Single-stage design
- Liquid propellant engine
- Altitude: 100 km

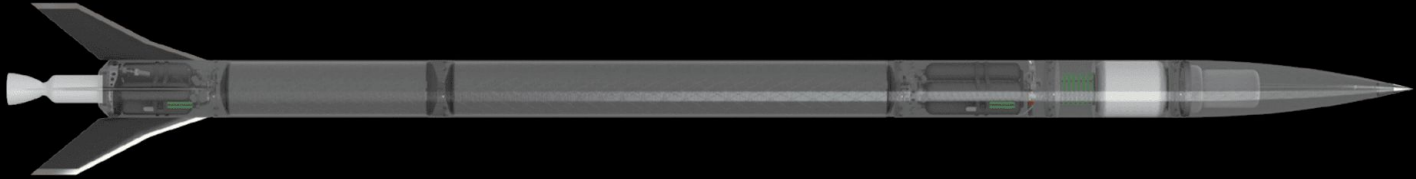
Prize money: 1 Million USD

Spaceport Toronto X Vienna

Cooperation with the similar team
from Toronto



Spaceport Toronto X Vienna



Specifications:

Length: 7 m

Diameter: 30 cm

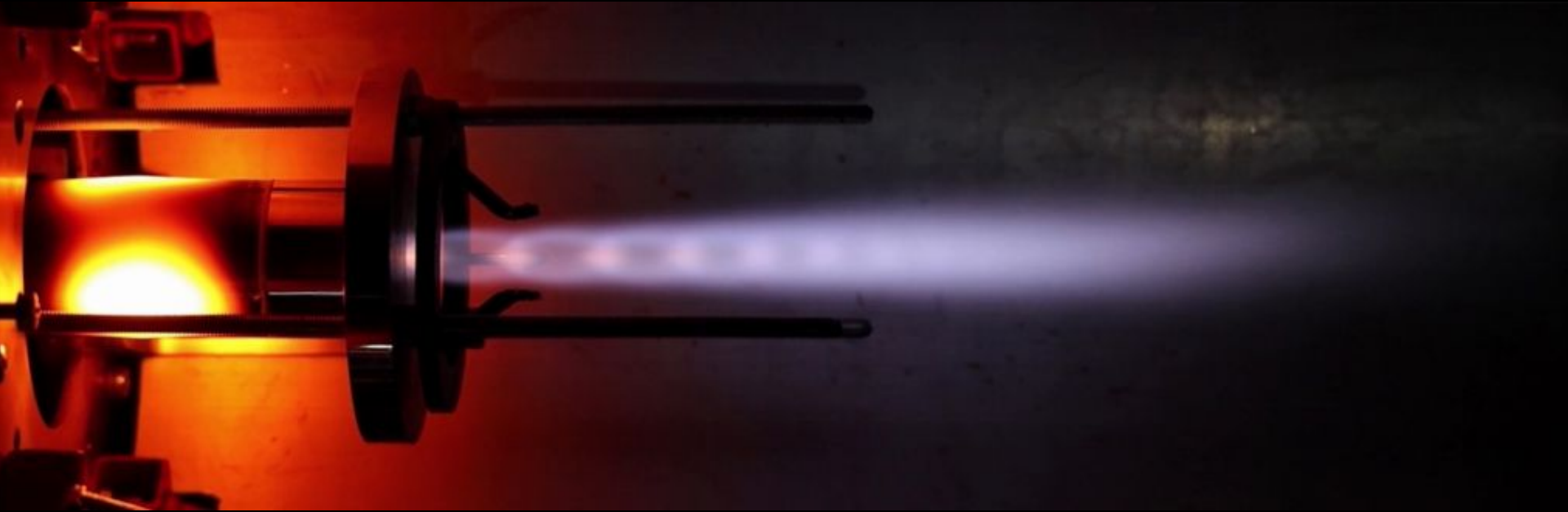
Dry mass: 100 kg

Wet mass: 380 kg

Propellant:

Ethanol/nitrous oxide

Spaceport Toronto X Vienna



Spaceport Toronto X Vienna



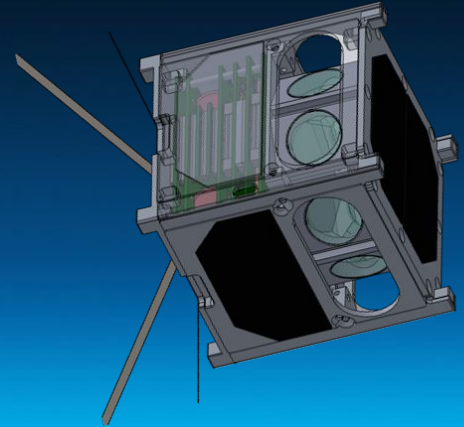
CubeSat PEGASUS

In space since 2017



CubeSat DISCO ONE

Technology demonstrator for optical communication



REXUS/BEXUS

Daedalus

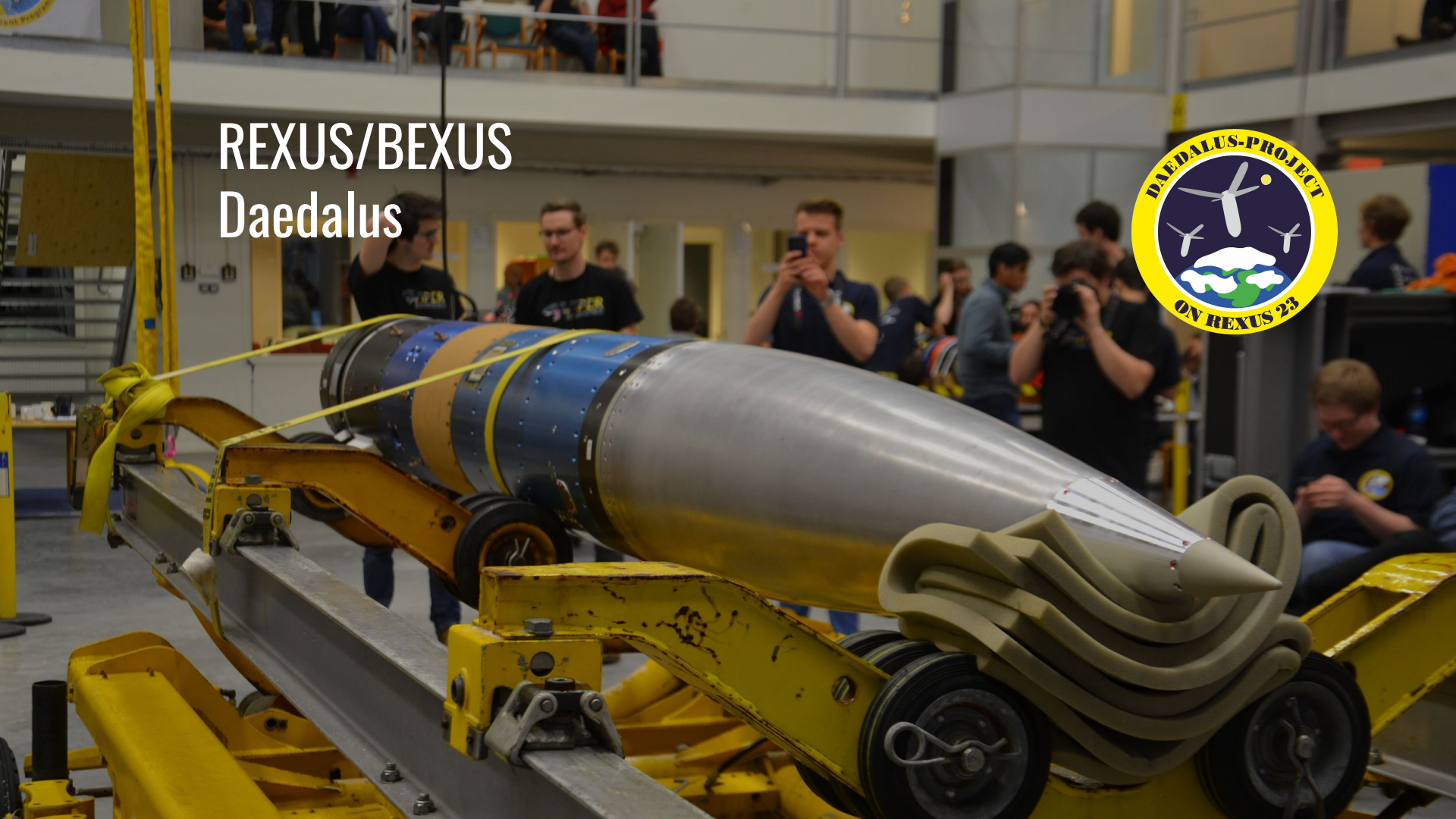


REXUS/BEXUS Daedalus

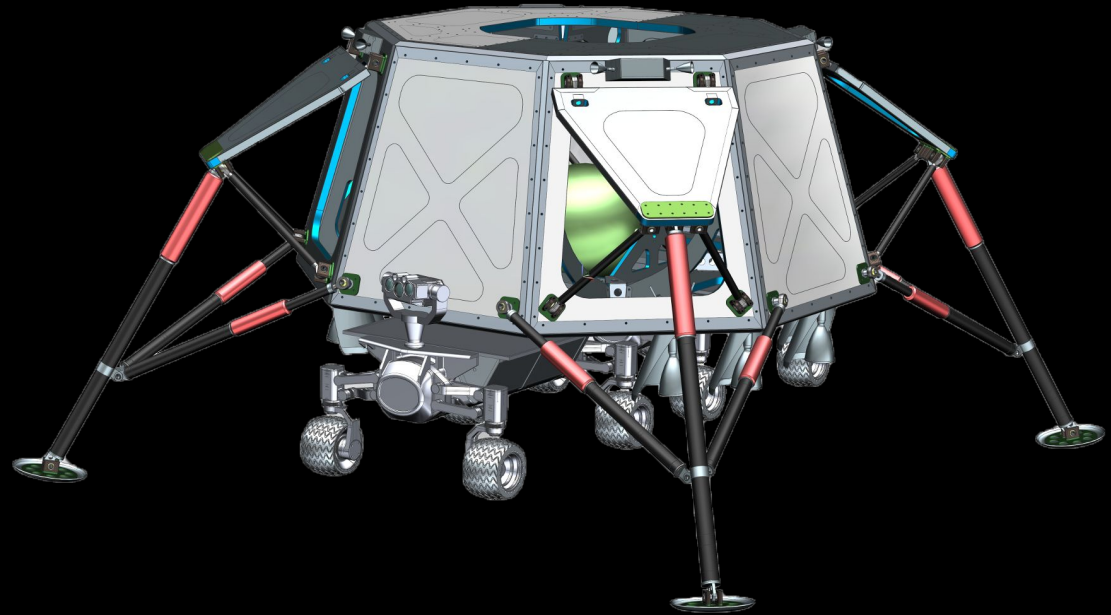


REXUS/BEXUS

Daedalus



Lunar Landing Module



CanSat Challenge

2018/2019



What drives us

Fascination for aerospace projects



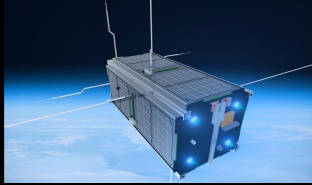
Hands-on experience



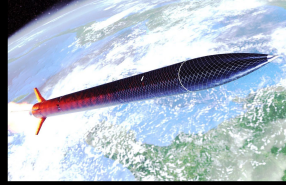
Sense of community



International collaboration and competition



QB50



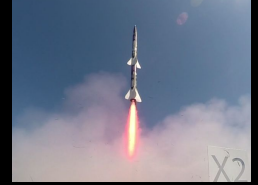
Base11 Space
Challenge



Google Lunar
XPrize



REXUS



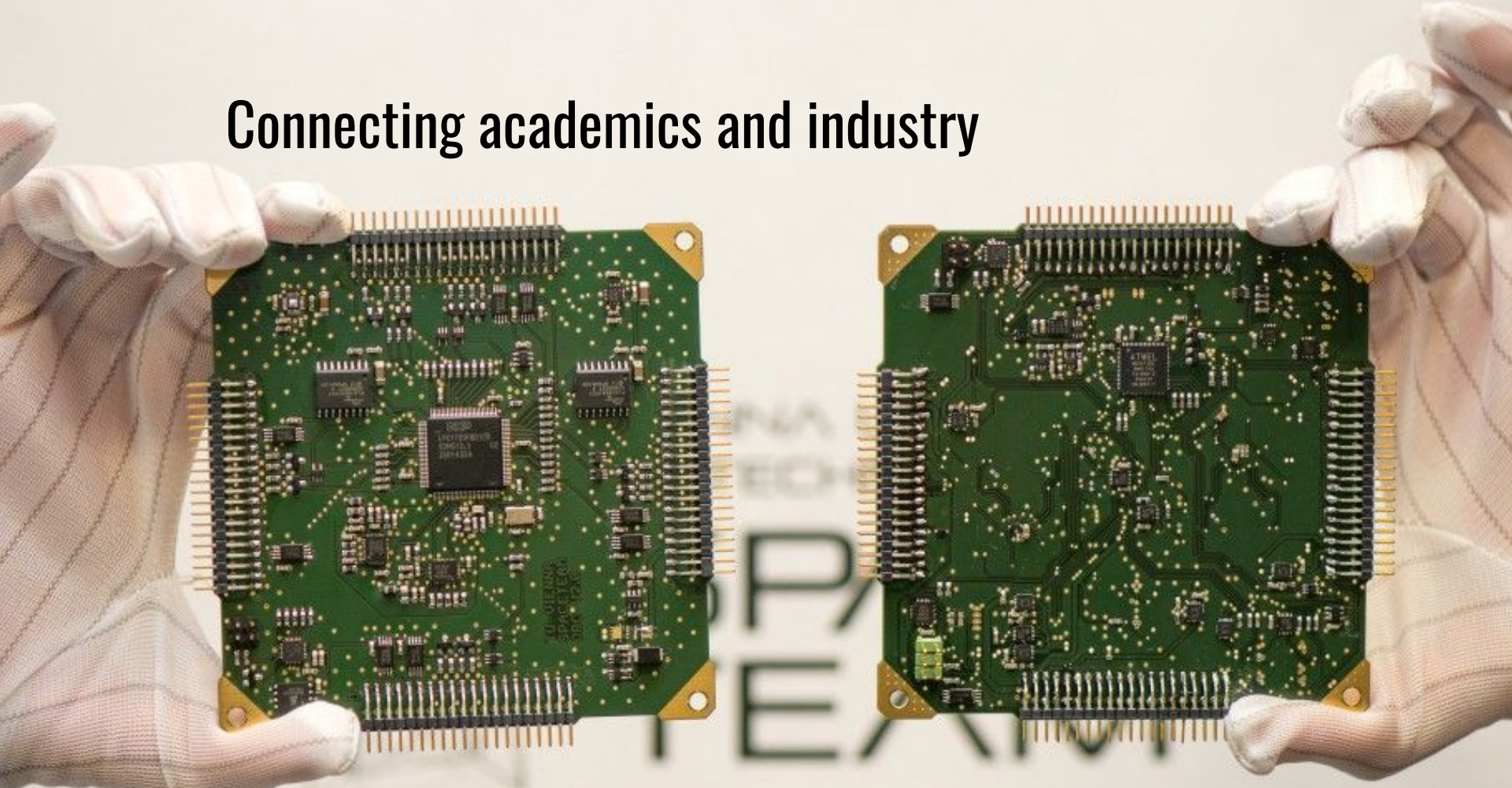
C'Space

How we create value

Developing a workforce



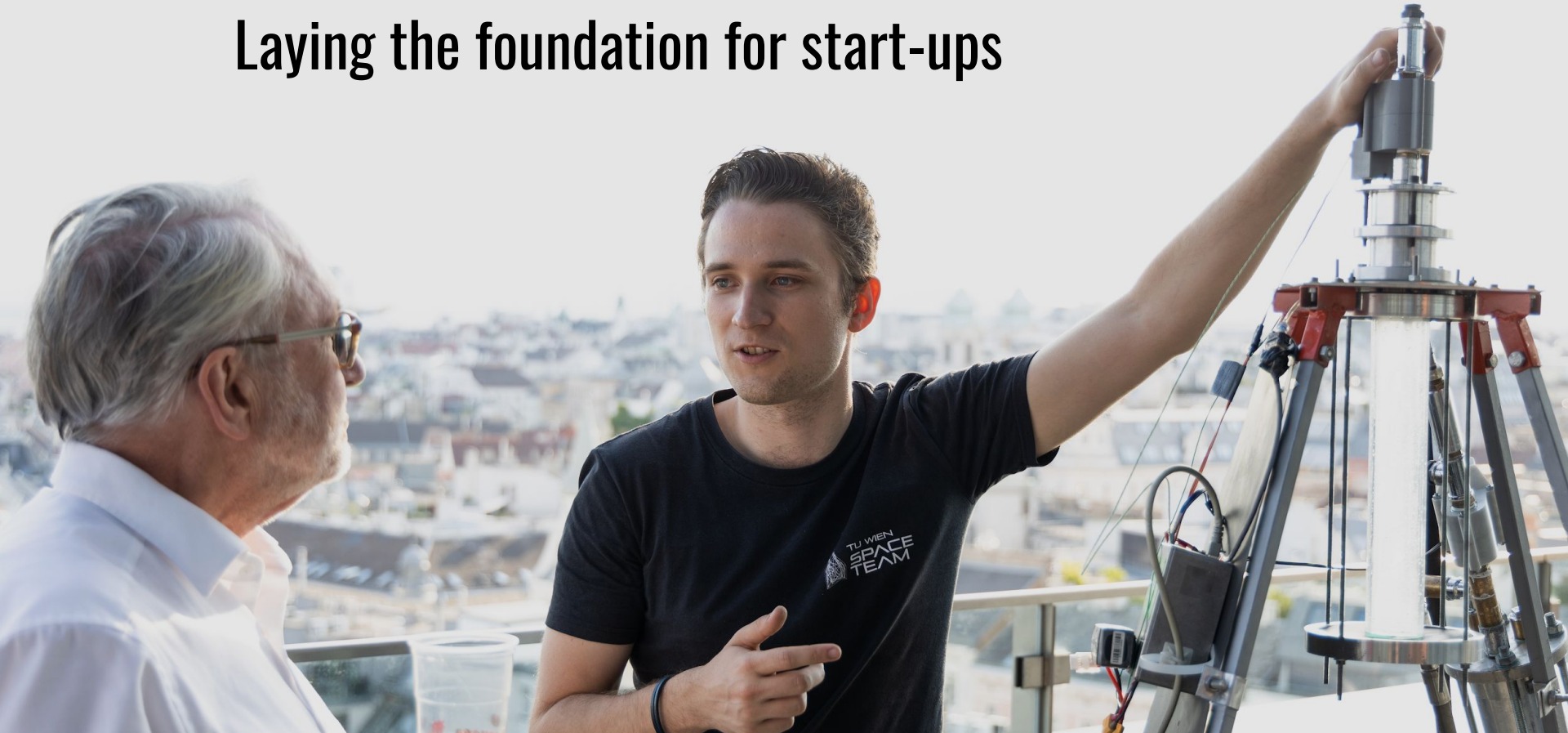
Connecting academics and industry



Accumulating knowledge



Laying the foundation for start-ups



Promoting our university and country

VIENNA

TECHNOLGY

Together
ahead. RUAG

CHIERTL
SIEMENS

U
WIEN

UNIVERSITÄT
WIEN
WIRTSCHAFTS
UNIVERSITÄT
WIEN

udLfgong novohny
KONSTRUKTIONSTECHNIK 2017



ACIN

AIRBUS

ANSYS®



 **berndorf**



 Bundesministerium
Verkehr, Innovation
und Technologie

easyname



**MODEL
SHOP
VIENNA**

PEAK
TECHNOLOGY

**Together
ahead. RUAG**

SCHIEBEL SIEMENS



TECHNISCHE
UNIVERSITÄT
WIEN
Vienna | Austria

wolfgang nowotny
SONDERMASCHINENBAU GmbH