



SPACELAB

A TESTBED FOR SPACE SYSTEMS

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SPACE INNOVATION FORUM 8
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THE ORIGIN OF THE IDEA

PROJECT BACKGROUND

EXISTING INFRASTRUCTURE & EXPERIENCE

Use the free capacity to help other teams
with testing of and qualification.

OPENING UP FOR EXTERNAL CUSTOMERS

EXPAND OPERATIONS

More efficient operations, self sustaining SpaceLab,
beneficial for the industry and for the region.

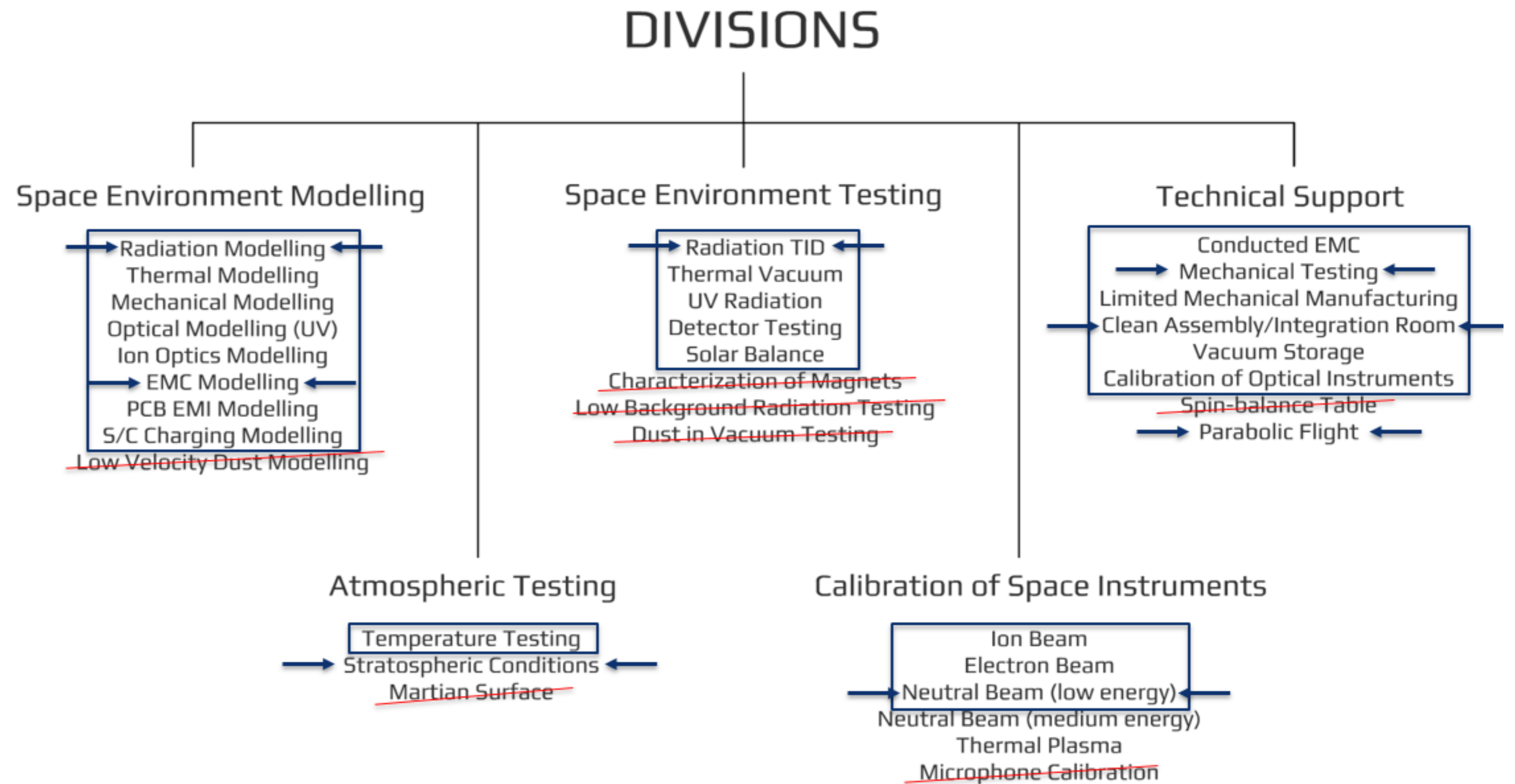
PREVIOUS ACTIVITIES

SmallSat Express Phase B with SSC (2017-2018)

DEFINING

1 SPACELAB ACTIVITIES

- Defined basic structure for SpaceLab
- Internal workshops
- External meetings with institutes and industry members
- Setting up priority table to analyze results
- Identify development directions



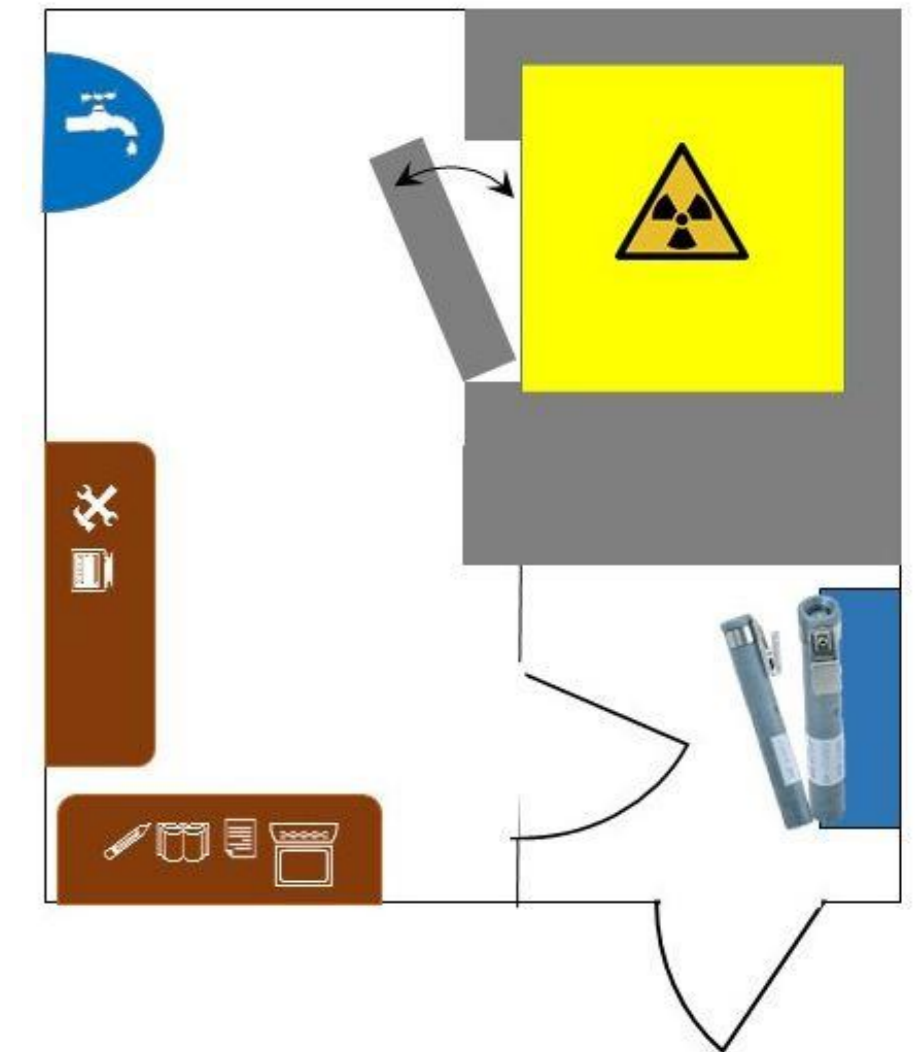
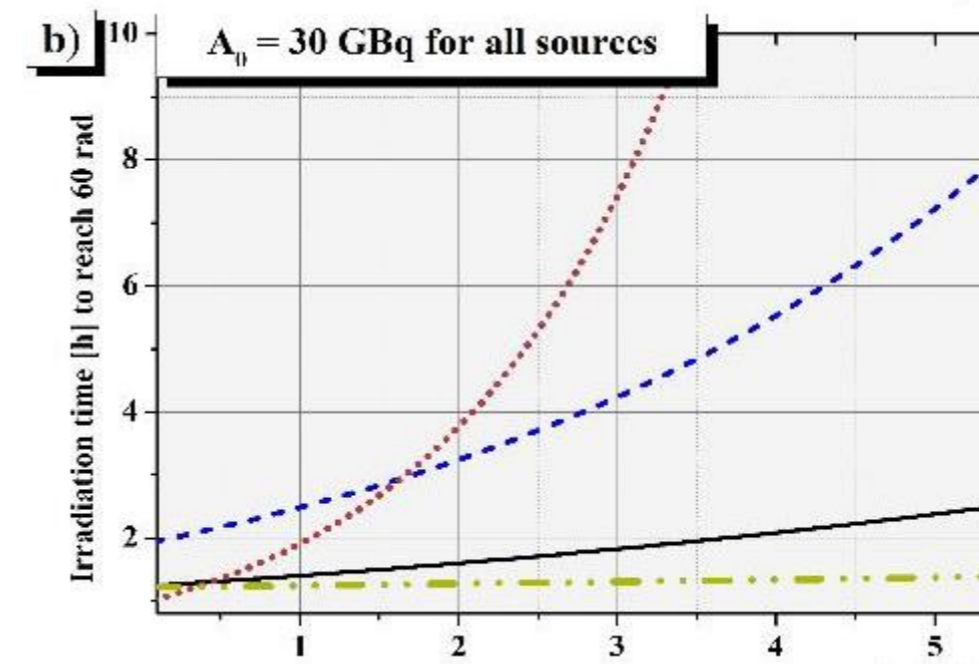
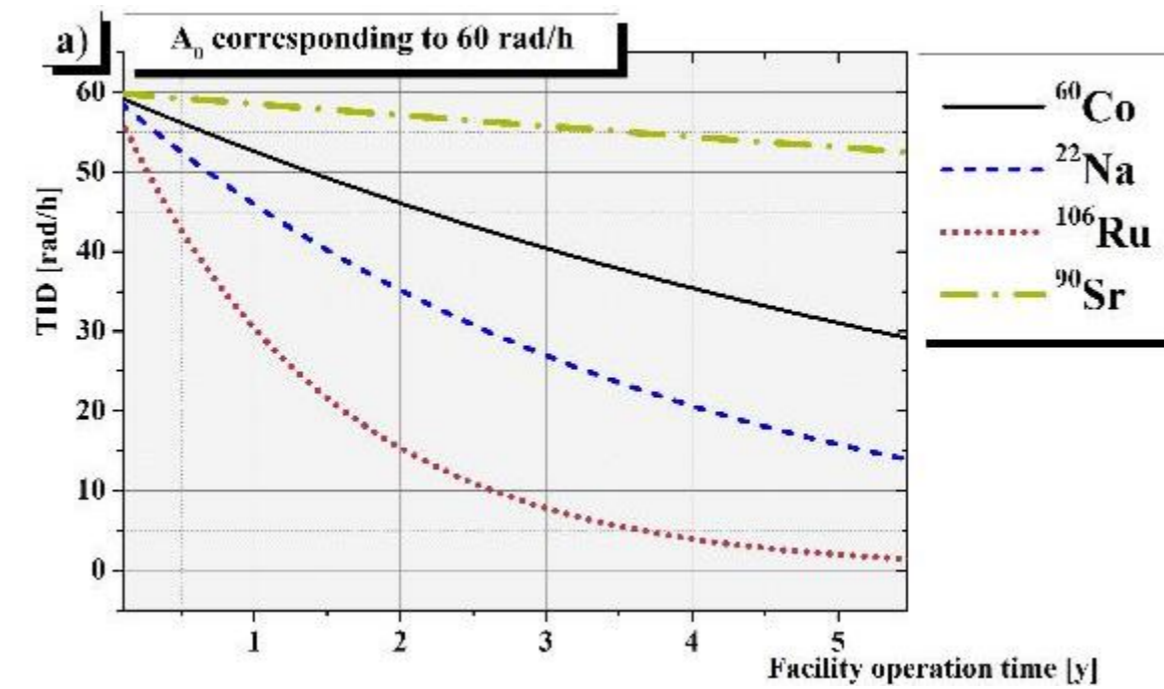
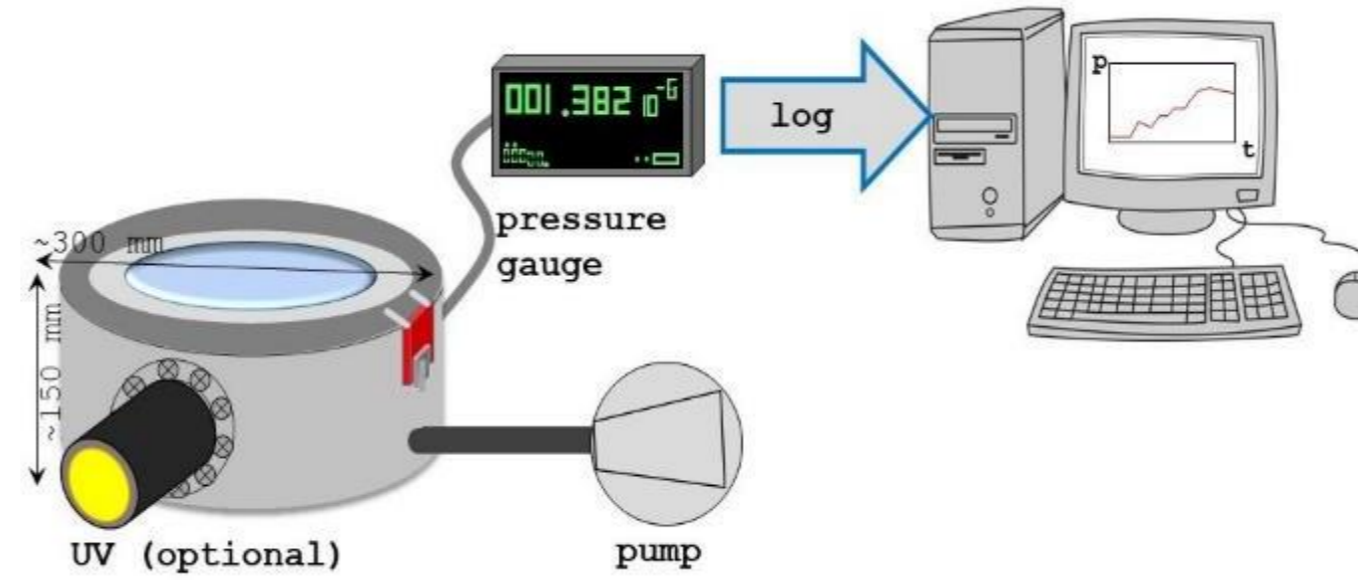
PREVIOUS ACTIVITIES

SmallSat Express Phase B with SSC (2017-2018)

DETAILED

2 TECHNICAL SPECIFICATIONS

- Atmospheric chamber
- Mechanical testing in a semi-clean environment
- Radiation TID
- Calibration beam facility
- Solar simulator



PREVIOUS ACTIVITIES

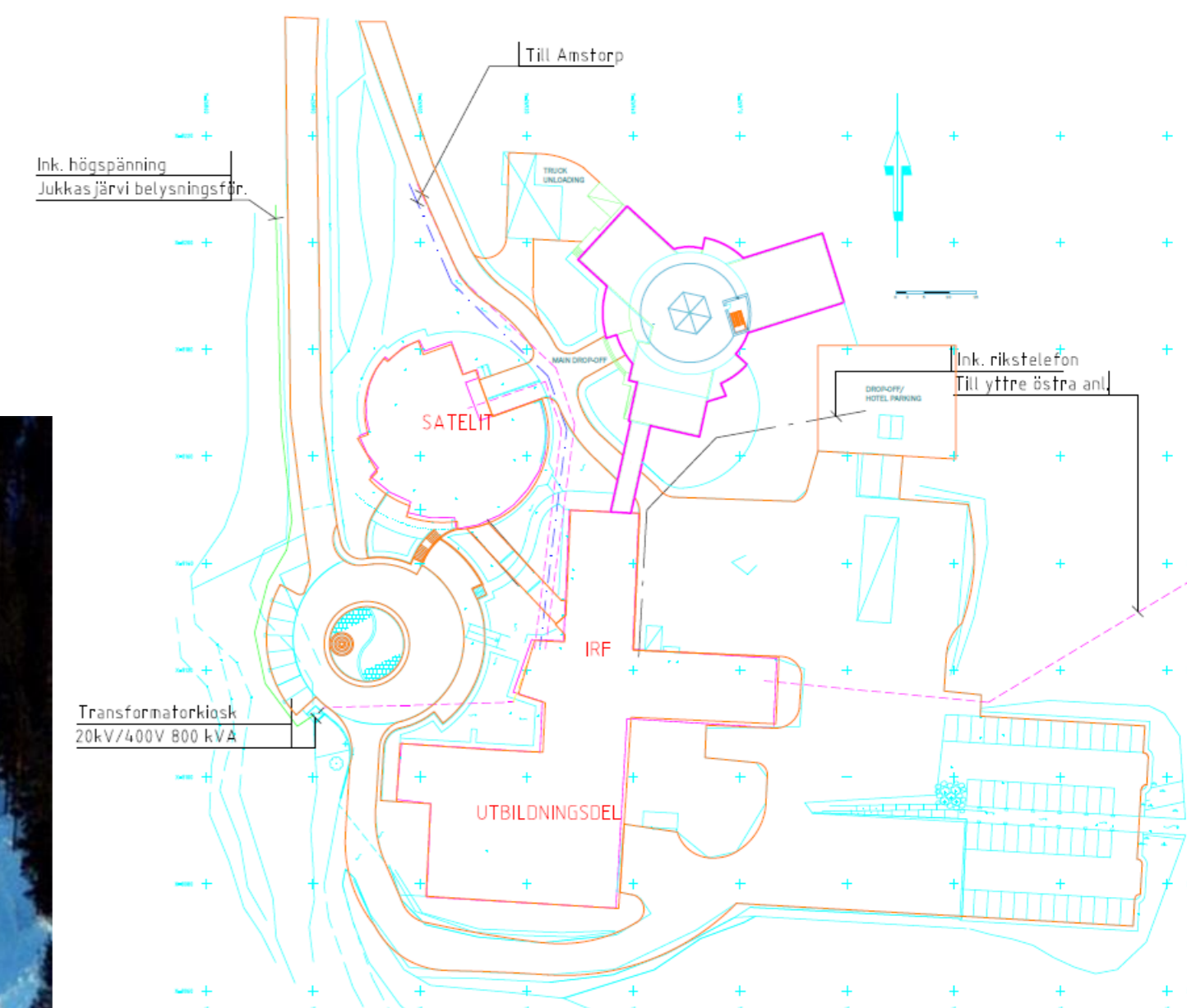
SmallSat Express Phase B with SSC (2017-2018)

PRELIMINARY DESIGN FOR

3 SPACELAB BUILDING

Dedicated building for SpaceLab, accommodating:

- Test facilities
- Hotel rooms
- Common offices
- Space museum
- Observatory roof



CURRENT AND FUTURE ACTIVITIES

RIT2021 PROJECT – WP 2.1 TESTBED

1

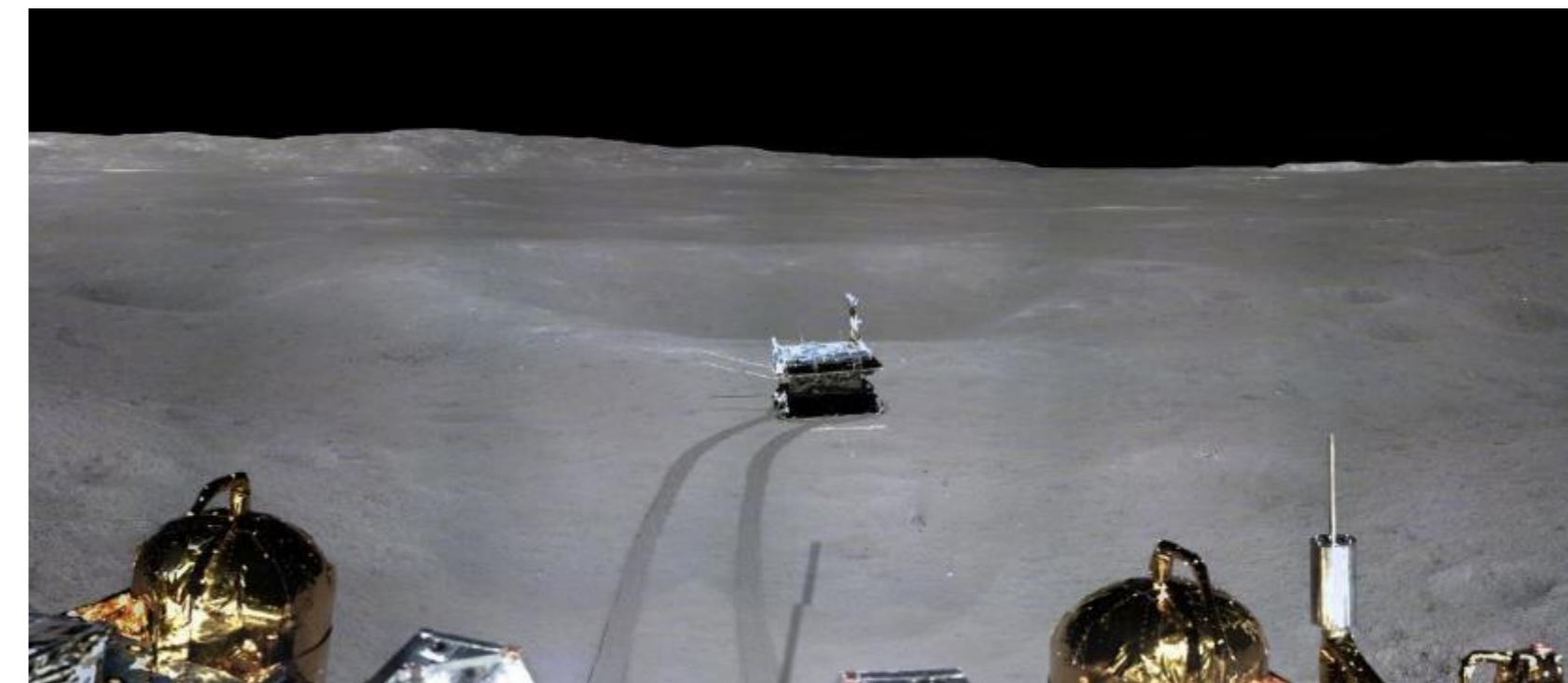
CLARIFYING LEGAL QUESTIONS

Can a governmental institute provide commercial services?

2

MARKET RESEARCH

Collect the needs from potential customers, identify areas with limited access, find future trends.



3

BRAND BUILDING

Find a niche, be more visible.



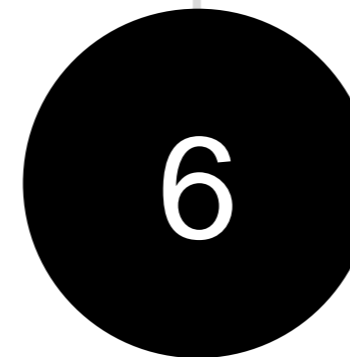
DEVELOP BUSINESS PLAN

Planning financial sustainability and
feasible pace of growth.



IDENTIFY FUNDING SOURCES

Highly dependent on organization form.
Lobbying together for infrastructure development grants.



EXPAND SPACELAB

Increase capacity and variety of test infrastructure.



THANK YOU

SPACELAB KIRUNA

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