



SpaceLab

Space Innovation Forum 7

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AGENDA

1. Project background
2. SpaceLab definition
3. Results
4. Future plans



1. PROJECT BACKGROUND

- SmallSat Express WP6
- Project period: January 2017 → September 2018
 - First report February 2018
 - PDR March 2018
 - Final report September 2018
- Funded by Länsstyrelsen and IRF (50%-50%)



2. SPACELAB DEFINITION

*“A **unique** testing and calibrating facility at Kiruna Space Campus, that supports national and international balloon, rocket and satellite programs and ground based measurements.”*

complex

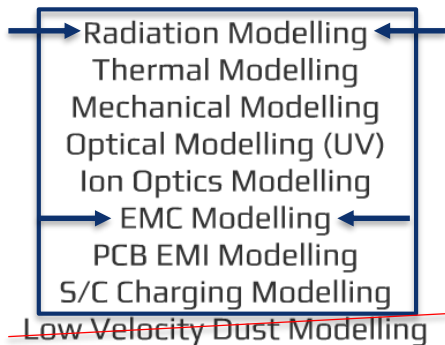
capacity



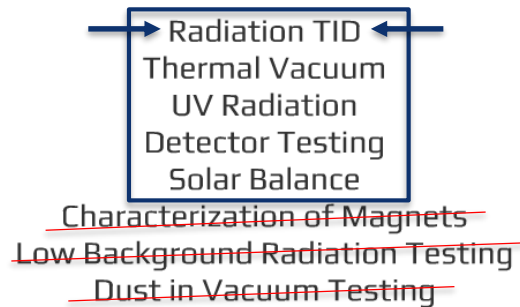
2. SPACELAB DEFINITION

DIVISIONS

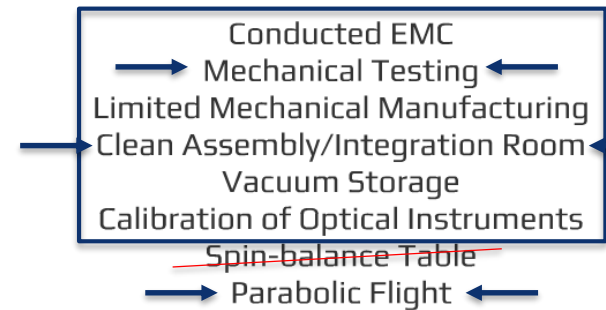
Space Environment Modelling



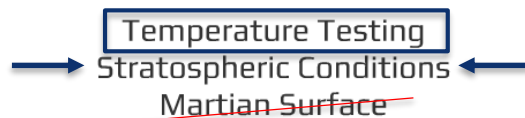
Space Environment Testing



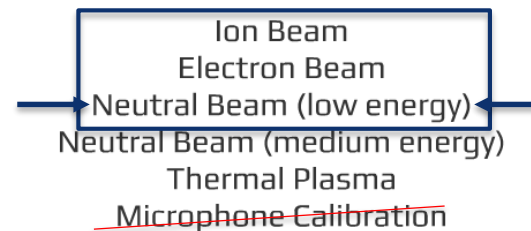
Technical Support



Atmospheric Testing



Calibration of Space Instruments





3. CURRENT WORK

WP 1 – Detailed technical specifications

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

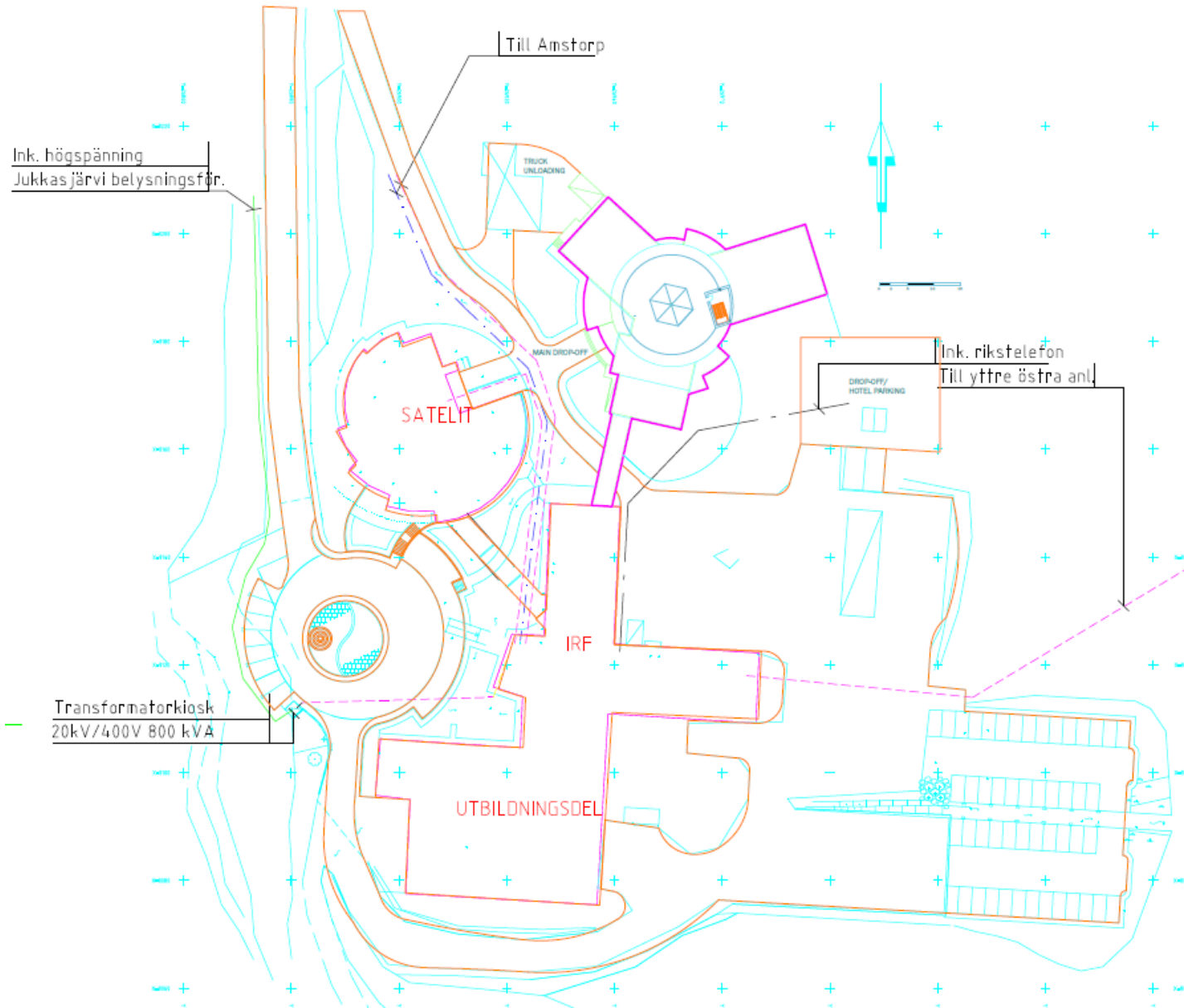
3. CURRENT WORK

WP2 – Visualization of a new building

- Accomodate test facilities
- Common offices (SSC, LTU, IRF)
- Hotel rooms
- Conference rooms
- Space museum
- Power generator (UPS)



3. CURRENT WORK



3. CURRENT WORK





4. FUTURE PLANS

- Tillväxverket: ” Investeringar för sysselsättning och tillväxt i Övre Norrland”
 - Part of LTU application (WP 2.2)
- Government: embedded in the IRF budget



QUESTIONS
