



SPACE ENVIRONMENT QUALIFICATION AS A SERVICE

A NEW ERA OF THE NEW SPACE INDUSTRY

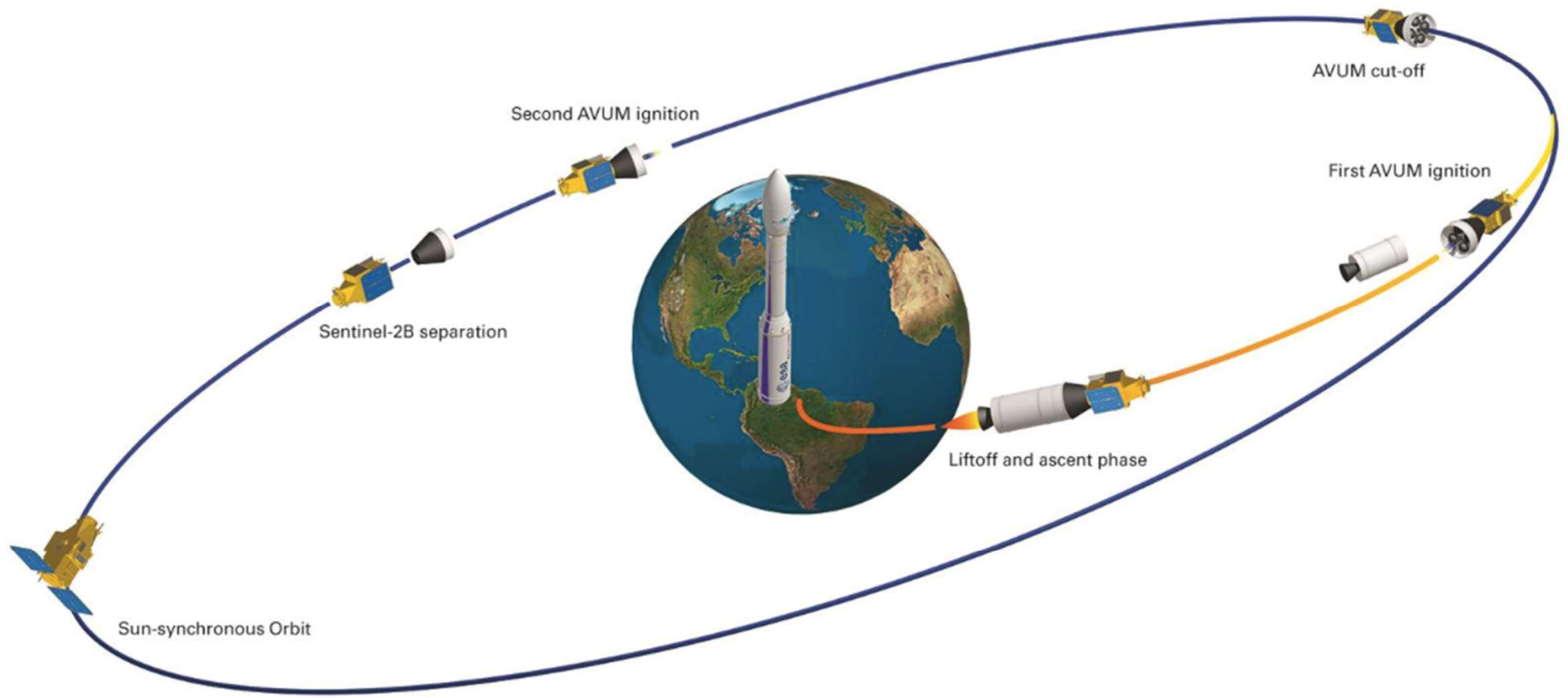
AEROSPACE TECHNOLOGY CONGRESS

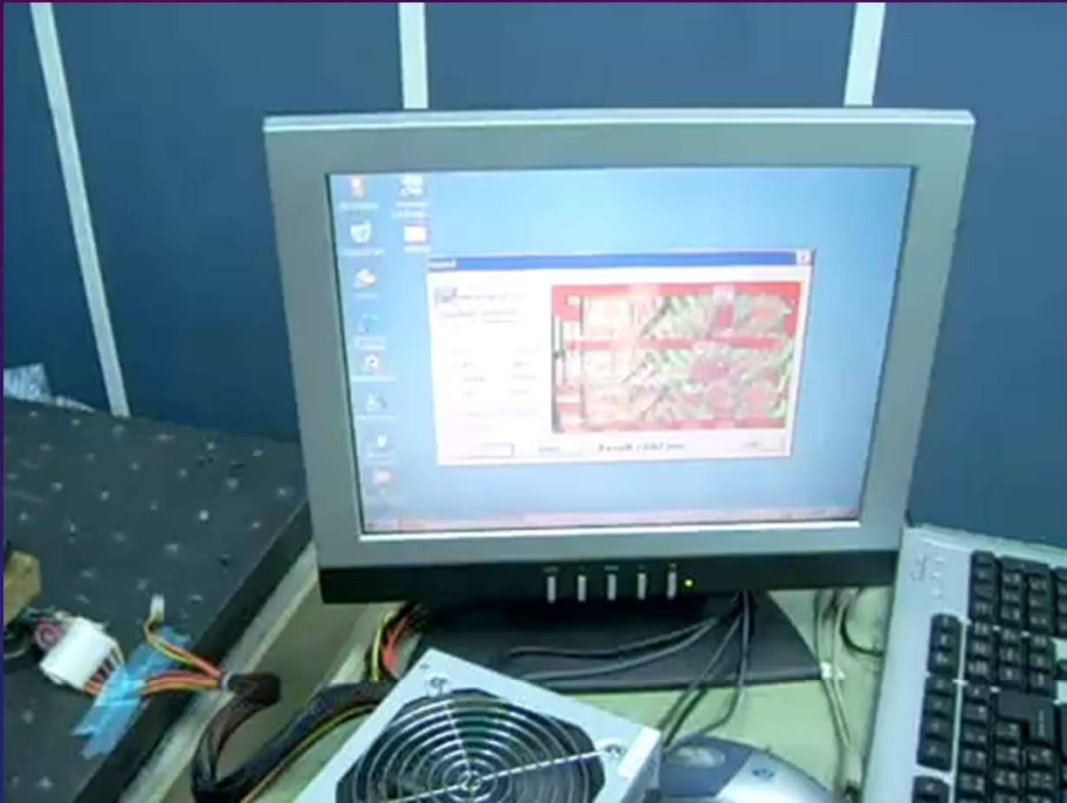
EMIL VINTERHAV – OCTOBER 8, 2019








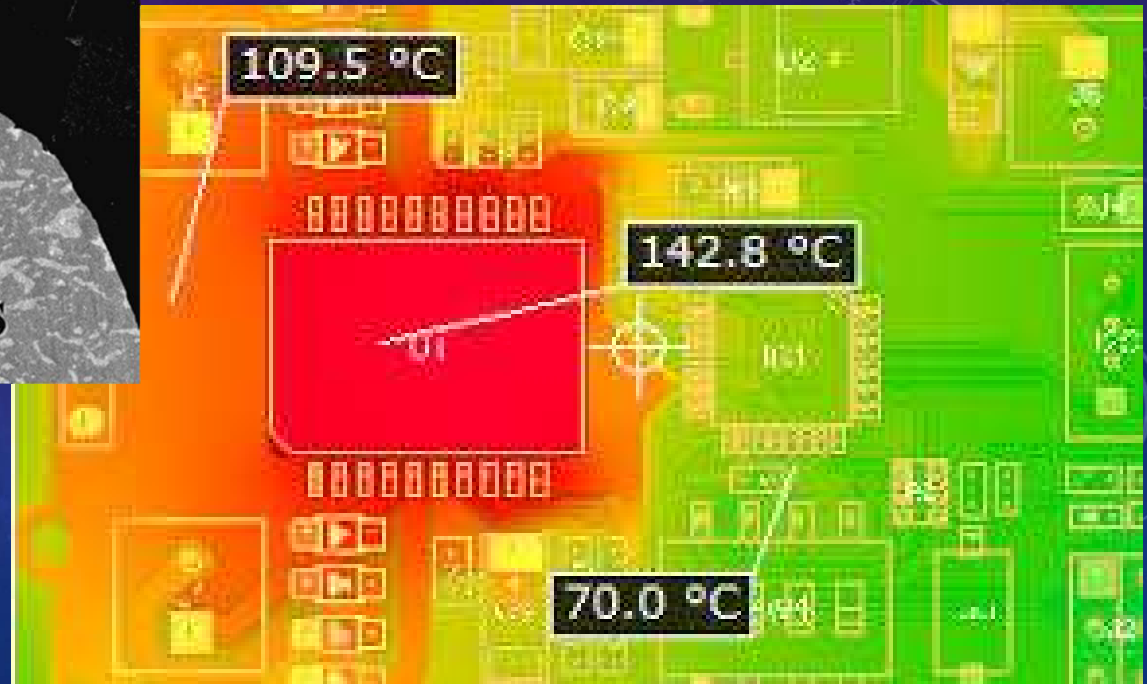
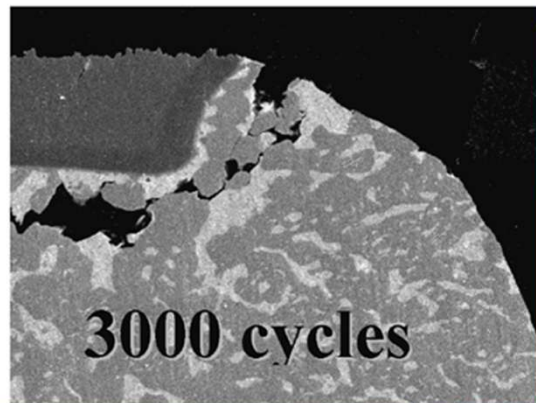
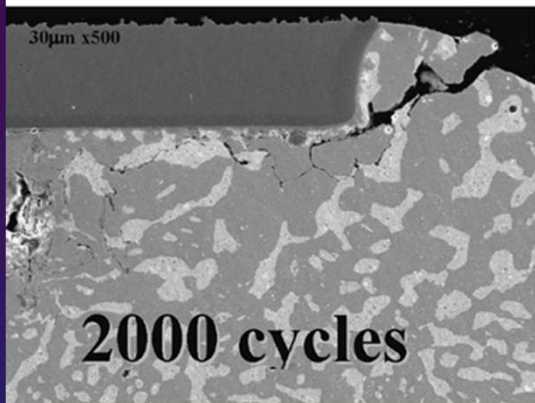
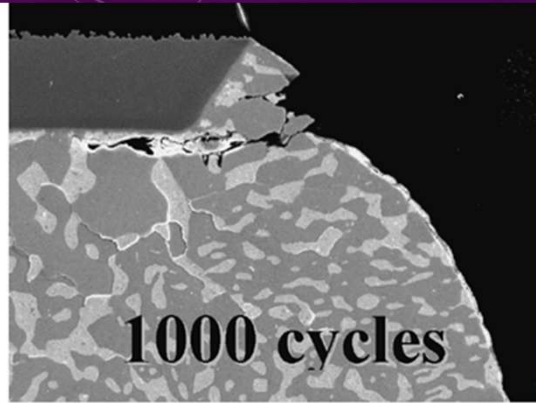
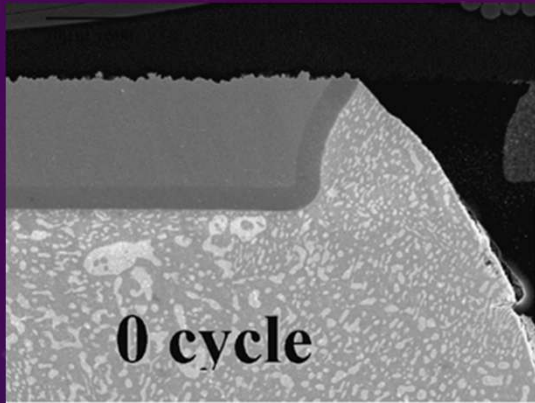


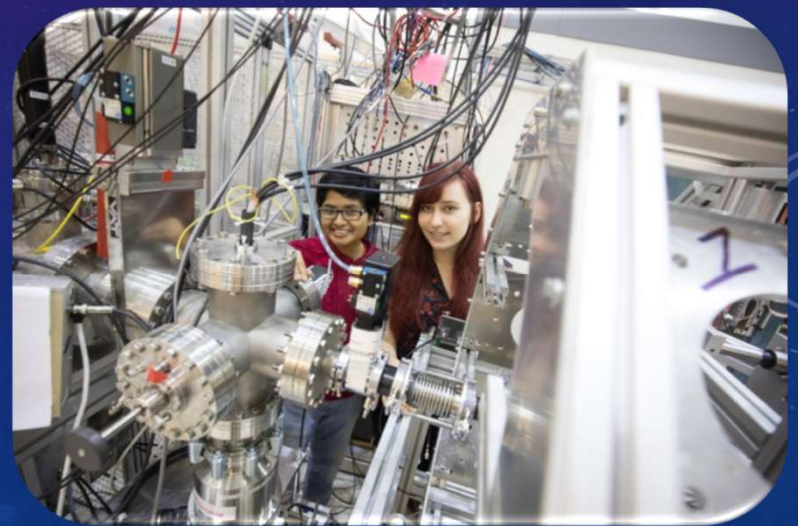
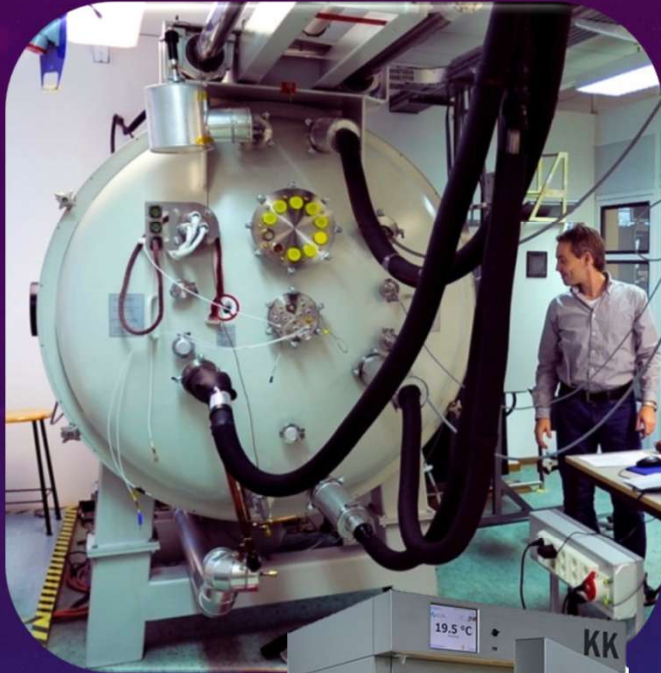




RadioactivityCounter Android
App based on camera sensor.
(real working App, no additional
hardware required)
10 Sievert/h measurement at
the Helmholtz Research Center
(Buchler device OB20)

(C) 2011 Dipl.Ing. Rolf-Dieter Klein

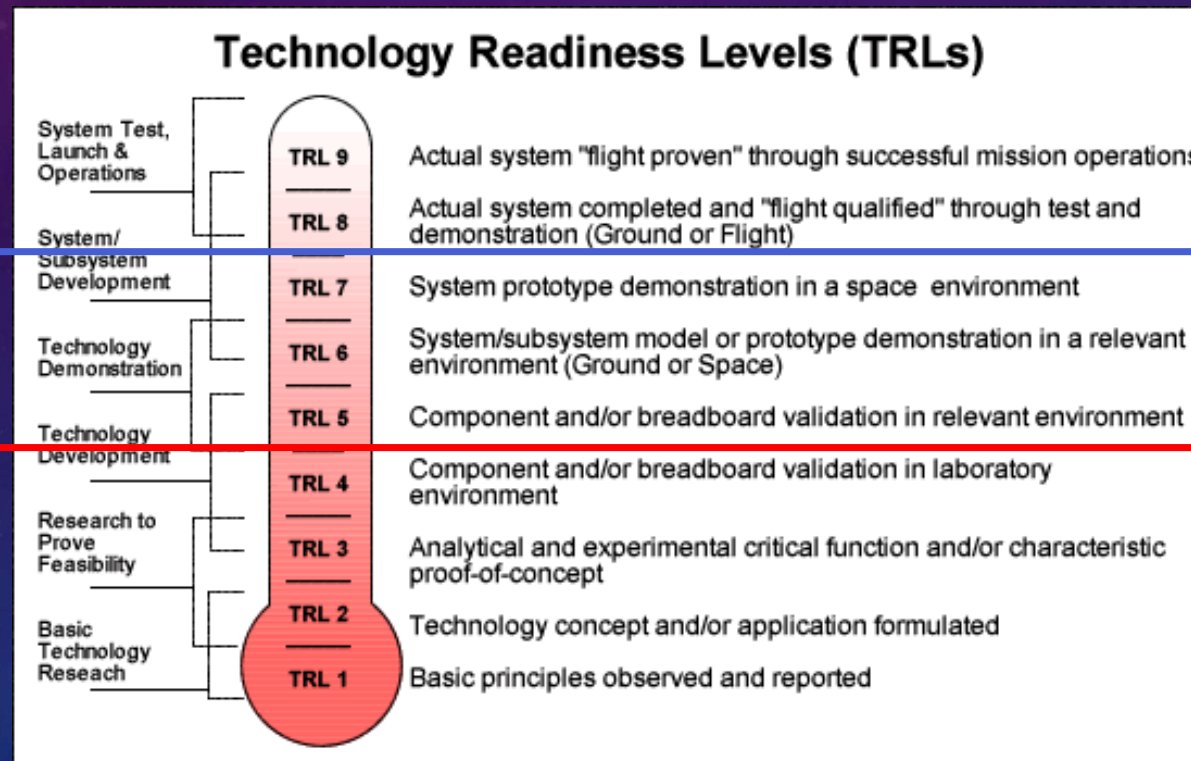




SPACE TECHNOLOGY ENTRY BARRIER

Space Specific

Ground/Space Common



Trust barrier

Knowledge Barrier

THE SATELLITE SERVICES VALUE CHAIN



Component suppliers



Equipment suppliers



Qualification services by PASQ



Satellite integrators



Satellite launchers



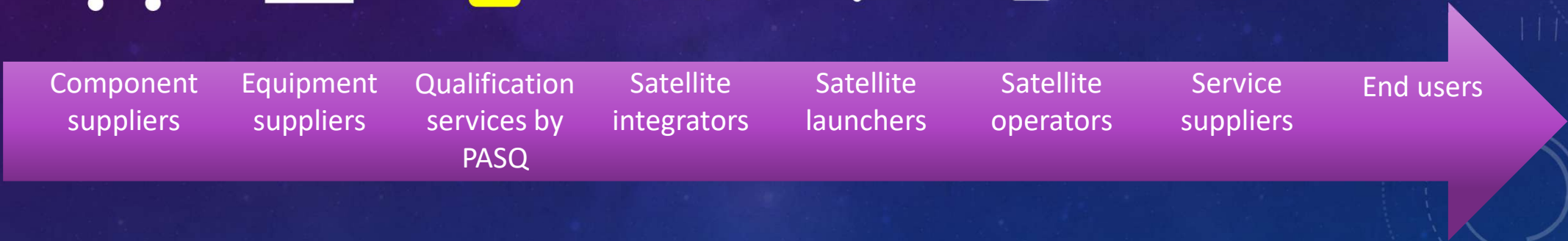
Satellite operators

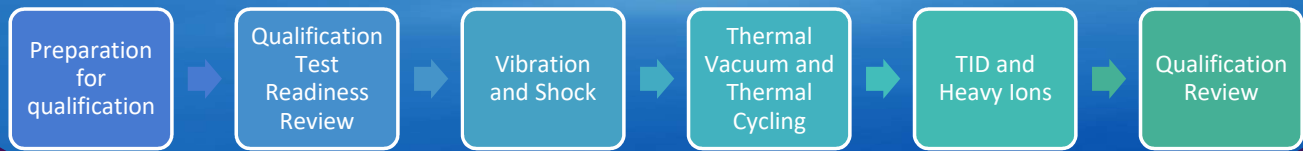


Service suppliers

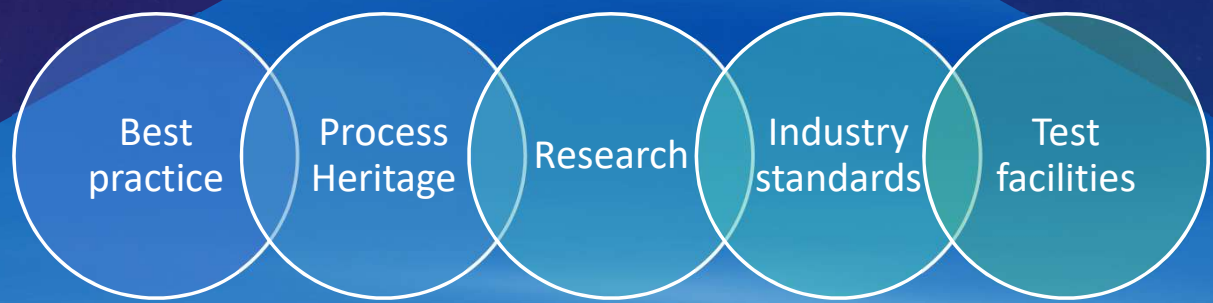


End users





- GOMSpace
- 3D Nanoprint



- Quality
- Efficiency
- Integrity
- Assurance

DISRUPTION

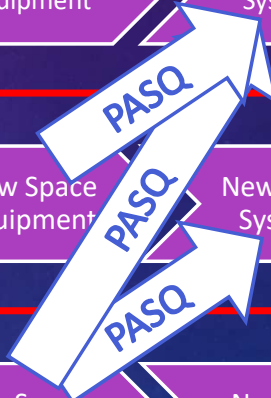
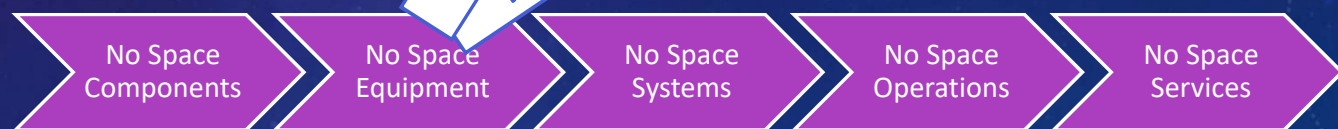
- Conventional Space

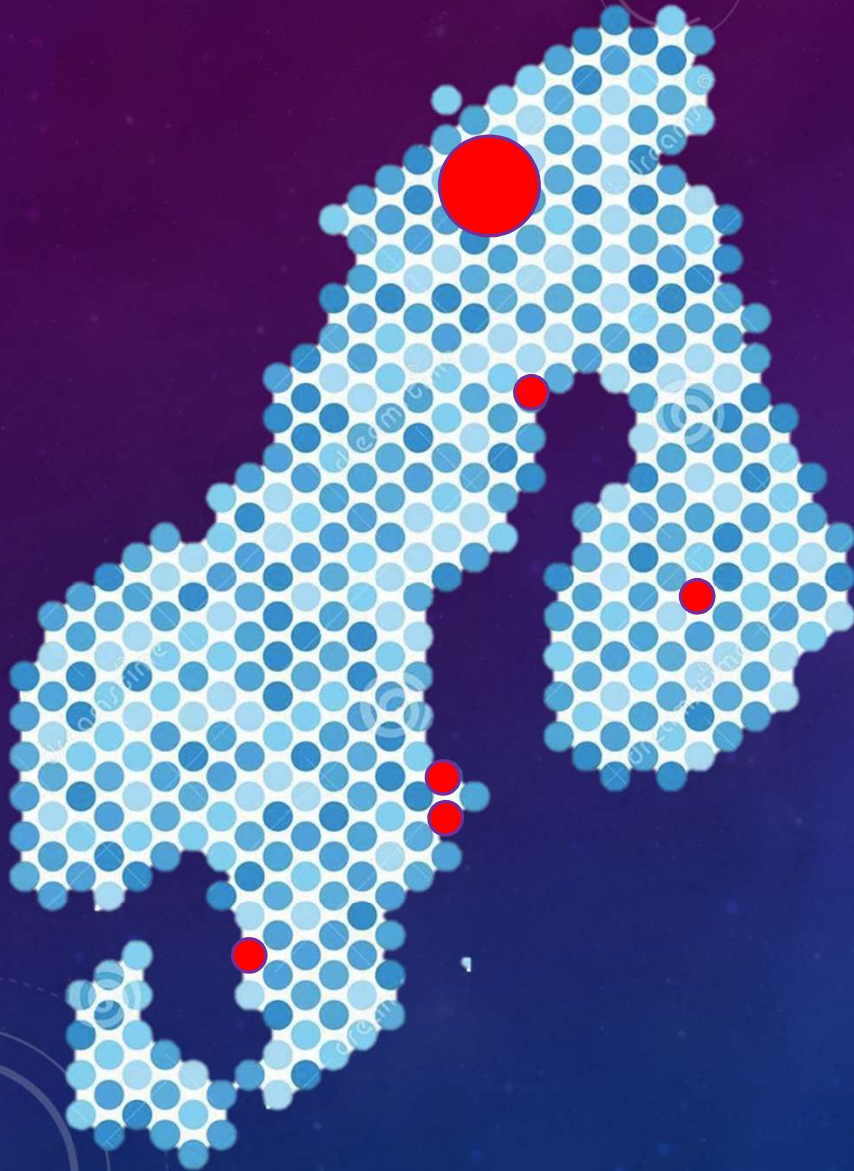


- New Space



- No Space





Suppliers of test facilities across
several locations



Space Cluster Kiruna



Phase
1



Phase 2



Phase 3







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