

Finnish Space Strategy in theory and practice – user's point of view

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has happened since 2018?



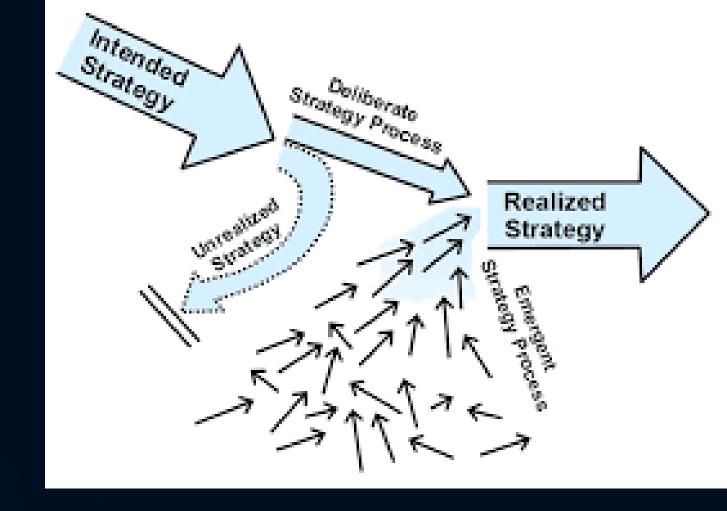
What shape, size and colour is your strategy?

- Strategy is a very multi-faceted thing
 - "Strategy safari" introduces ten major schools
 - TLDR: "The red thread of company operations"
 - The strategy is never 100% correct when made
 - You are shooting at a moving target with long time span
 - Most important is thing is to MAKE a strategy
 - Without starting the journey one gets nowhere
 - Finnish proverb: "We didn't get a jacket but pants"
 - Still, pants are ok and you can make jacket next

MINTZBERG - AHLSTRAND - LAMPEL The complete guide through the wilds of strategic management

Intended and emergent strategy by Mintzberg

- You will not go where you aim for, and that's ok:
 - Some things work out
 - Some do not work out
 - Some things you missed
 - New things come up
- Perseverance + Agility = Successful Strategy









Arctica and Antarctica







Excerpts of the Space Strategy 2025

 By 2025 "the turnover of enterprises producing satellite technology (upstream) has grown 25-fold (current estimate EUR 20 million). The turnover of enterprises applying space technology and space data (downstream) has grown 10fold (current estimate EUR 300 million)"

Regulatory environment as an enabler:

- "Authorities ensure that the national legislation supports business and does not unnecessarily limit it and that the permit processes related to space activities work smoothly (authorisation for space activities, export licences, radio licences).
- The authorities involved, together with the security authorities, form a common opinion on ground station investments and implement the necessary amendments in legislation in consideration of national security."







JORDUTFORSKNING VIA SATELLIT (JORD->RYMD)	Rymdfarkostkontroll	2025 - 2110	Upplänk Satellit-satellit
	Militär användning	2025 - 2110	
FAST RADIO			
MOBIL RADIO 5.391			
RYMDFARKOST-KONTROLL (JORD->RYMD) (RYMD<- >RYMD)			
RYMDFORSKNING (JORD- >RYMD) (RYMD<->RYMD)			

FIXED	2025 - 2070 MHz (45 MHz) Military use		Transmitting earth station to be used for remote sensing satellite services in the frequency band 2036.25 MHz in Kirkkonummi. Transmitting earth station in the 2025-2070 MHz frequency range in Sodankylä.
	2070 - 2110 MHz		Wireless cameras, for events only.
	(40 MHz) Wireless cameras		Standard EN 302 064. ERC Recommendation ERC/REC 25-10.
		Earth station (TT) TX	
TO-SPACE, SPACE-TO-SPACE)		Space station (ET) RX	
	Space operation	224 <mark>5 - 2290 MHz</mark>	
		Space station (ET) TX	
		pace station (ET) RX	
EARTH EXPLORATION	2070 - 2110 MHz	Earth station (TW) TX	
SATELLITE (EARTH-TO-SPACE,		Space station (EW) RX	
SPACE-TO-SPACE)		Space station (EW) TX Earth station (TW) RX	



2025 - 2110 MHz (5.392 | ECA16A | ECA36)

EARTH EXPLORATION-SATELLITE (EARTH-TO-SPACE) (SPACE-TO-SPACE) | FIXED | MOBILE (5.391) | SPACE OPERATION (EARTH-TO-SPACE) (SPACE-TO-SPACE) | SPACE RESEARCH (EARTH-TO-SPACE) (SPACE-TO-SPACE)

Aeronautical military systems | Fixed | Land military systems | Maritime military systems | PMSE | Space research | Telemetry/Telecommand (military)

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Norway explores Space Collaboration with ISRO

June 07, 2023

Norwegian Ambassador, H.E. Mr. Hans Jacob Fadenlund, paid a visit to the Chairman, ISRO, Spri Somanath S, a Accompanying the ambassador were officials from Kongsberg Satellite Service (KSAT), a Norway-tased organization maritime surveillance services.

The Chairman welcomed the visitors and appreciated Norway's technical support to the Indian Space programme. He involving private players in the space domain and highlighted the opportunities available for foreign participants

The Norwegian Ambassador acknowledged the numerous commonalities between India and Norway, including their and climate issues, and technological competencies. He also recognized the growing influx of talent from India to No

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and Norway

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KONGSBERG Home - Corporate / News and Media / News Archive / 2012 / 104 MNOK (18.5 MUSD) satellite contra The meeting



104 MNOK (18,5 MUSD) satellite contract

Kongsberg Satellite Services (KSAT) is awarded a contract to provide ground station services to Indian Space Research Organization (ISRO) of Bangalore India.





INTELSAT



NASA-ISRO Radar Mission to Provide Dynamic View of Forests, Wetlands

NISAR will help researchers explore how changes in Earth's forest and wetland ecosystems are affecting the global carbon cycle and influencing climate change.



Cornerstones of a successful strategy process – 1 of 3:

Participation

- Make everybody participate
 - Wide collaboration brings more aspects
 - Try to find weak signals from wide audience
 - Listen to people from other industries, too
- Participation creates commitment
 - Everybody owns the strategy
 - Brings support and robustness
 - Essential in implementing emergent strategies

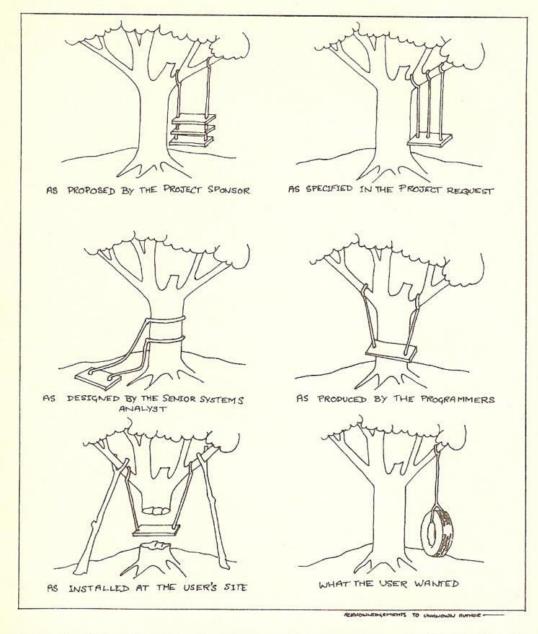




Cornerstones of a successful strategy process – 2 of 3:

Flexibility

- Strategy has to live through its life cycle
 - Operational environment constantly changing
 - Strategy may be adjusted or changed
 - Still: Strategy is the red thread of action



From the University of London Computer Centre Newsletter No. 53, March 1973

Cornerstones of a successful strategy process – 3 of 3:

Resourcing

- Need to resource in admin and in the field
 - Public and private sector together makers and enablers
 - National and international co-operation

NOTES:

- Finnish Space Strategy is a powerful manifest as itself
 - Let us all make it public and visible Let's make this happen!
- No comments on actual content of the new strategy...
 - ...but a Space Office would be nice to have







Blue

Sky

Strategy





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