

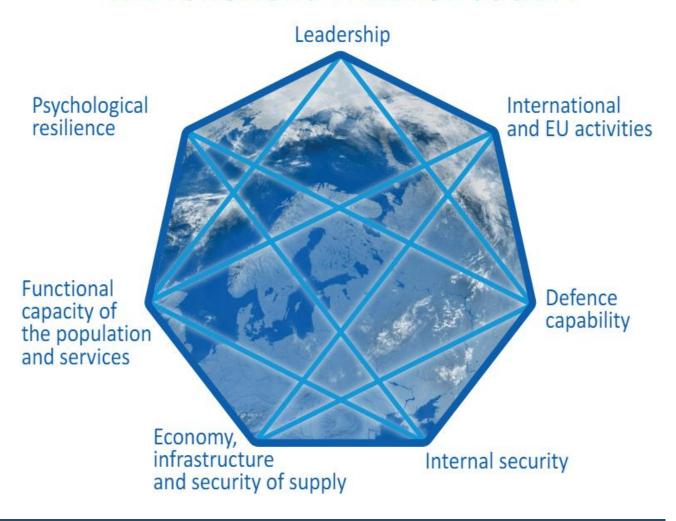
### Space services supporting comprehensive security

Juha-Matti Liukkonen
PIA space industry group vice chair,
Reaktor Defence & Security

### **Comprehensive security**

Comprehensive security is the Finnish cooperation-based preparedness model, in which the vital functions of society are jointly managed by the authorities, business operators, organisations and citizens.

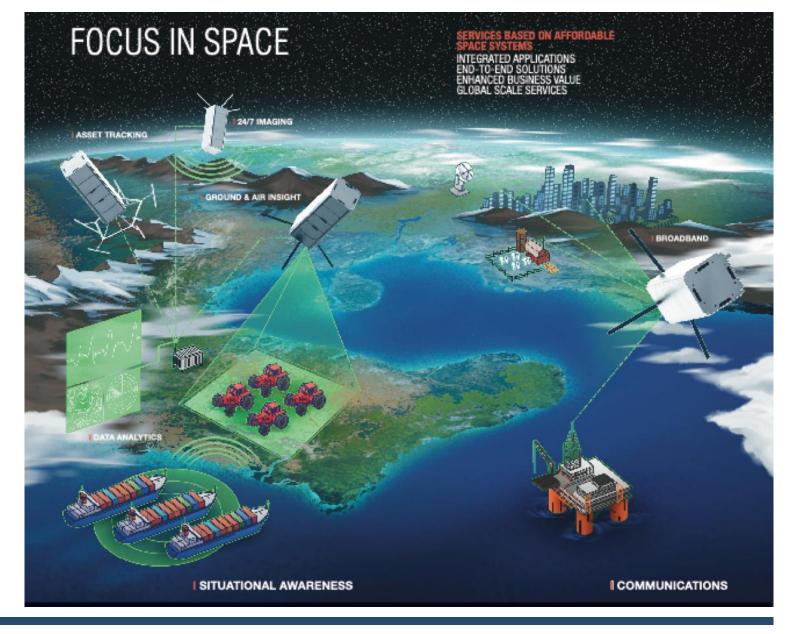
#### THE FUNCTIONS VITAL FOR SOCIETY





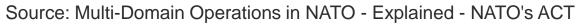
# Space services as civilian infrastructure

- Measurements
- Insights
- Maps
- Navigation
- Communications
- Global coverage
- Industrial co-operation

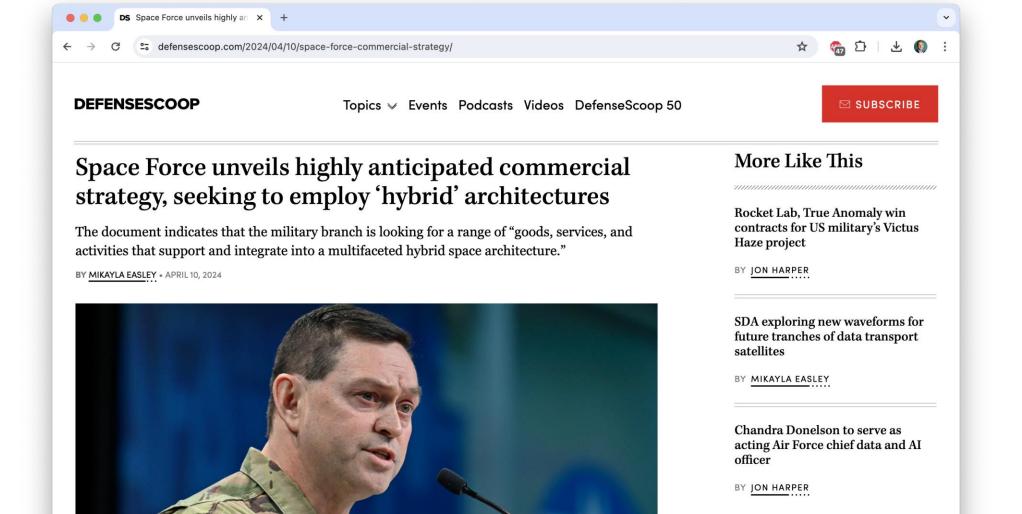






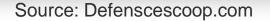








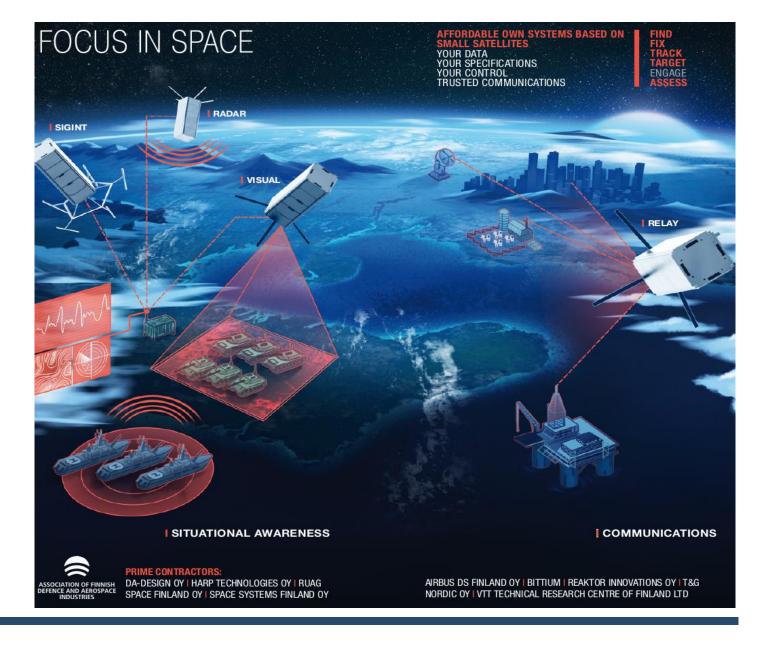
Starlink terminals give Navy 'game-changing' flexibility





# Space services as defence infrastructure

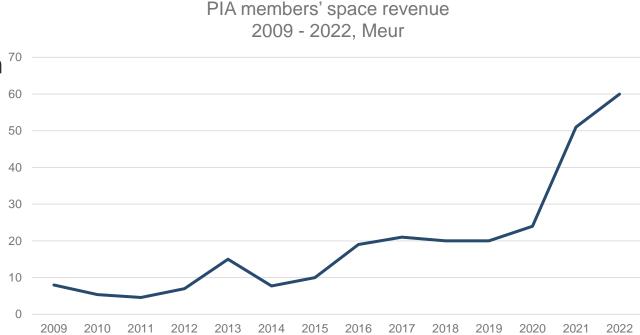
- More specific needs
- Time critical
- Security requirements
- Increasing dual-use of commercial services





#### Development of the Finnish space industry

- Compact but growing rapidly
- The Finnish industry capabilities have increased significantly, improving our position <sup>70</sup> in several markets and forums
- Strengths include technological leadership, high quality research and development, and co-operation within industry and with academia
- Small companies are agile, and Finland is a reliable operating environment
- Contributing to the economy, capability, international co-operation and security of supply in Finland

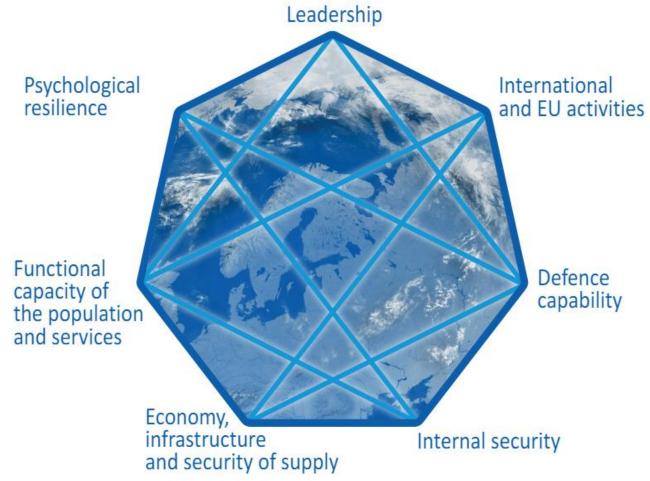




Space for comprehensive security

THE FUNCTIONS VITAL FOR SOCIETY

- Situational awareness
- International activities
- Economy & infrastructure
- Security of supply





Thank you.

