

Hungarian Universities
Space Technology Research Forum

BUDAPEST March 28th 2024

PRESENTING

THALES ALENIA SPACE #spaceforlife







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PROPRIETARY INFORMATION
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THALES ALENIA SPACE OPEN



JOINT VENTURE

Thales Alenia Thales / Leonardo company Space

THALES (67%) LEONARDO (33%)





THALES **Building a future** we can all trust

77,000 employees

68 **Countries** Global presence

1bn€ self-funded R&D

17.6bn € Sales in 2022

markets



Ground transportation

Defense & security

Aerospace

Space





THALES ALENIA SPACE IN 2022

2,2 BN € SALES



8,500 EMPLOYEES



18 SITES WORLDWIDE







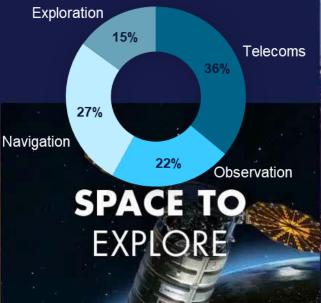
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SERVING THE WORLD FROM EUROPE & THE USA



Date: 21/04/2023

SPACE FOR LIFE /// SPACE TO CONNECT





SPACE TO TRAVEL & NAVIGATE

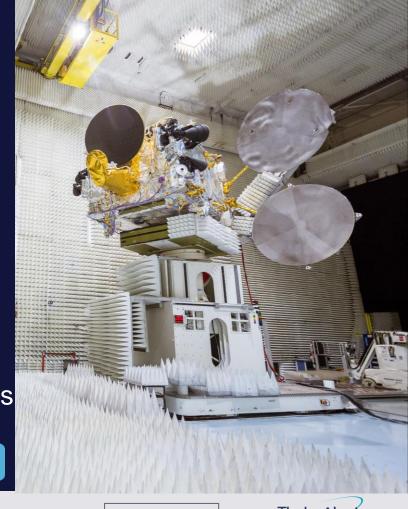
SPACE TO OBSERVE & PROTECT

SPACE TO CONNECT

/// Connectivity matters more than ever

- Very high throughput satellites based on our Spacebus NEO platform
- Space Inspire[™] solutions with our Software-Defined-Satellites system
- Constellations paving the way to worldwide broadband connectivity systems & space-based 5G/6G services
- Advanced ground solutions to best serve the space systems







SPACE TO CONNECT

/// Connectivity matters more than ever

Very High Throughput Satellites based on our Spacebus Neo platform

Software-Defined-Satellites with our Space Inspire™ system solution

Advanced ground solutions to best benefit of the space systems



SPACE TO CONNECT

A unique track record in telecom constellations since 3 decades, best served by state-of-the-art digital payload & system solutions







What we make possible to ensure freedom of action and sovereignty...

- /// Enabling image & signals intelligence
- /// Providing secured & resilient communications for Security & Armed Forces
- /// Safety & security in Space





SPACE TO OBSERVE & PROTECT

/// Climate monitoring at the heart of societal concerns

- Meteorological satellites
- Environmental satellites
- Atmospheric sounders, radar altimeters & hyperspectral instruments

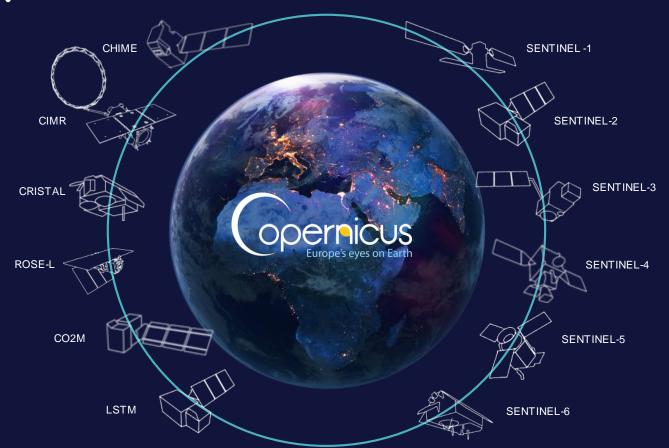






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SPACE TO OBSERVE & PROTECT





LAND MONITORING



EMERGENCY MANAGEMENT



MARINE MONITORING



ATMOSPHERE MONITORING



CLIMATE CHANGE



SECURITY



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SPACE TO EXPLORE

/// World Leader in LEO Orbital Infrastructures

- Manned and unmanned pressurized modules
- Building and supplying the ISS
- Contributing to the creation of the first commercial space station, Axiom
- Enabling easy access to Space with re-entry vehicles

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Partner Team integrated in Telecom or Earth Observation Program Team located in Cannes and Toulouse sites









OUR PARTNERSHIP APPROACH WITH...



We have created since 2012

Thales Alenia Partnership Initiative

A unique model of cooperation thanks to the support of **ESA**

« share our visions foster innovation sustain competitiveness »





09/04/2024

FOCUS ON

ThalesAlenia Partnership Initiative Space

WITH HUNGARY





WORKSHOP in TOULOUSE







WORKSHOP in CANNES





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Thales Alenia Space Initiatives to combine "best of New Space" and TAS Heritage for next challenges and

Smallsats-HAPS-.. cooperation opportunities

Miniaturization

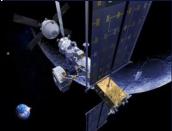
New Missions (Nav-Telecom-Earth Obs. -Exploration/Human in Space)

Optical communications Ground as a Services Industry 4.0













Connexion with SME's & Start-ups « best in class partners »

OUR KEY MISSION TARGETS

Telecom

GEO & MEO - flexible, digital, high-throughput 5G D2D - toward seamless 3GPP networks Secure Communication Military

Observation

Optical (High accuracy or high Revisit)
Radar (High accuracy or high Revisit)
Hyperspectral
Carbon Imagers
Weather
Altimetry

New or specific ventures

Atmospheric - Stratobus Quantum Communication Space Situational Awareness In-Orbit Servicing

Exploration

Manned missions

Deep-Space Communication

Back to the Moon

Mars missions

Navigation

Galileo PNT

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THANK YOU FOR YOUR ATTENTION

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