

Euroconsult Group

GET YOUR PROJECTS OFF THE GROUND

Euroconsult Presentation

2023



Leading Independent Group

Euroconsult Group is the **leading global consulting group** specializing in the **space sector** and **satellite enabled verticals**.

Euroconsult Group

Euroconsult

Satconsult

Privately
owned

Fully
independent

40
years of
experience

7
Office locations

80
full-time staff

1,200
clients

Privately
owned

An extended network
of partners and experts

One-stop Services for the Space Sector

Our clients



Our Services

Thematic Training

Consulting Services

Executive Summit

Market Intelligence



Market Intelligence 2023 Reports

GOVERNMENT SPACE



Government Space Programs



Prospects for Space Exploration

SATELLITE COMMUNICATIONS



Satellite Connectivity and Video Market



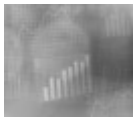
Prospects for Maritime Satellite Communications



FSS Operators: Benchmarks and Performance Review



Prospects for In-Flight Entertainment & Connectivity



FSS Capacity Pricing Trends



Universal Broadband Access



Prospects for Direct to Handheld and IoT Markets

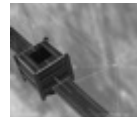


NGSO Tracker

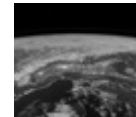
SPACE INDUSTRY



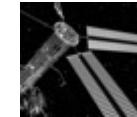
Satellites to be Built and Launched



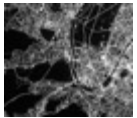
Prospects for the Small Satellite Market



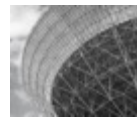
The Space Economy Report



Space Logistics Markets



Space Market Monitoring



Ground Segment Market Prospects

EARTH OBSERVATION



Earth Observation Data & Services Market



Earth Observation Satellite Systems Database

Visit Euroconsult Digital: digital-platform.euroconsult-ec.com

2023 Executive Summits



WORLD SATELLITE BUSINESS WEEK

PARIS – September 11-15, 2023

The unique executive meeting place for the key decision makers of the satellite enabled ecosystem

- 1,500 business leaders
- 230+ executive-level speakers
- 520+ public and private organizations
- 50+ countries
- 95%+ of the global commercial satellite business present
- 70% of C-level in attendance

Perspectives Spaciales 2023

PARIS – April 5, 2023

The unrivalled event for the French & European space sectors

- 200+ top-level Industrial and institutional players
- 20+ executive speakers



BUENOS AIRES – May 23-24, 2023

The unequalled Latin American space conference

- 250+ key industry players
- 40+ executive and senior government officials
- 20+ countries



SINGAPORE – June 7-8, 2023

Asia's most prestigious and C-level satellite event

- 250+ top-level participants
- 40+ speakers
- 35+ countries

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Earth Observation in Digital Ecosystem: Reaching Out to Next-Gen Users

GWF 2023

Space+Value Chain, 1030-1130 hrs, Hall: Mees II

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5 May 2023



ToC

**Episode 1:
COVID...**

**Digital divide
and digital
platforms**

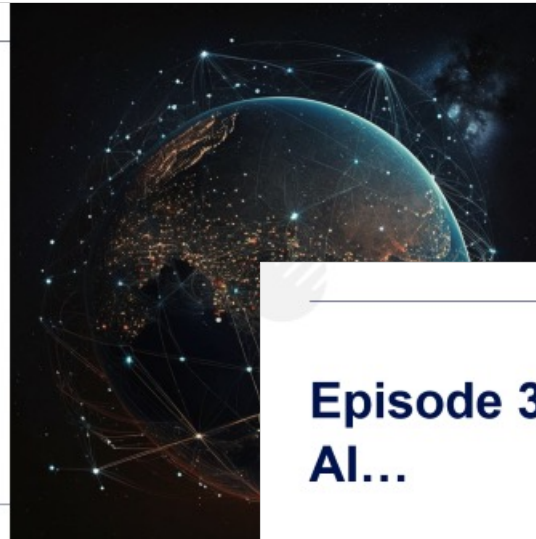
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**Episode 2:
UKRAINE...**

**Data
democratization**

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**Episode 3:
AI...**

**AI interfacing,
Pros and cons**

Euroconsult Group GWF23



Episode 1: COVID...

Digital divide and digital platforms






Fully automated tasking

Quick access will foster new usages and expand the customer base.



SAR Satellite Tasking

Capella puts the power of tasking directly in the customers' hands. Capella's automated scheduling system empowers customers to submit new imaging requests in an on-demand self-serve experience, making SAR data more accessible, timely, and secure.

-  Gain direct access to Capella's constellation tasking
-  Fully automated, anonymized and secure tasking
-  Timely SAR imagery acquisition and delivery

Create New Task

SINGLE TASK | REPEAT TASK

Target Name:

Target Description:

Analytics: Included with Task

Window Open (UTC): Tasking Tier:

Collection Time: Anytime Day Night

Imaging Mode:

Optional Parameters:

CREATE TASK | [Cancel Task Request](#)

AREA OF INTEREST
Lat: 50.402, Long: 10.195

Potential Satellite Access Times (UTC)

Date	Time
02/23/23	08:20
02/23/23	09:31
02/24/23	05:17
02/26/23	20:25
02/27/23	20:26
03/01/23	03:19
03/01/23	10:15

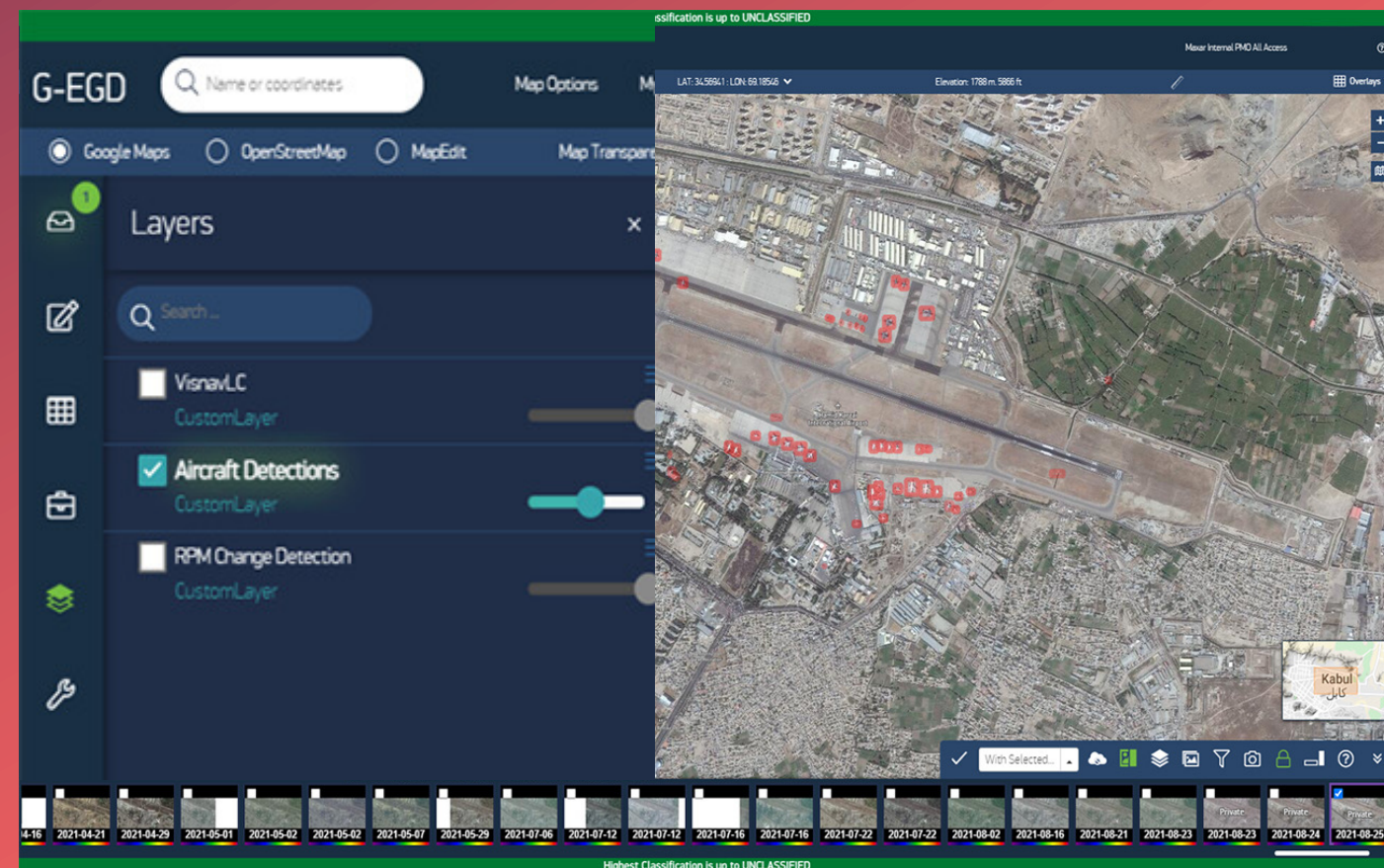
Secured web platform



MAXAR

A secured web access platform will foster current usage and widen the consumed volume.

- 400k+ gov users,
- Integr. multipurpose data: one stop shop
- Including Value Added Services, AI tools
- Including various datasets such as Optical and SAR

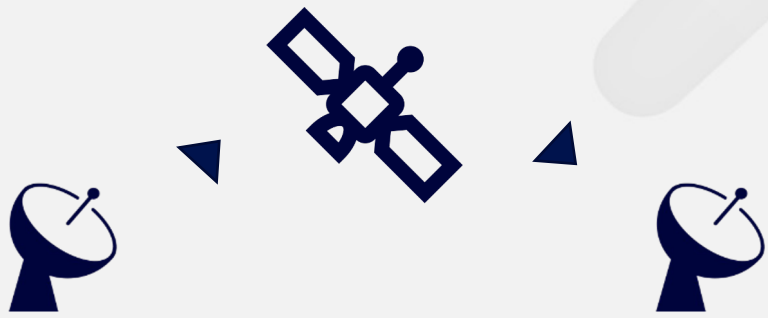


THE ROADMAP AHEAD? NEW DATA DELIVERY MODELS AS KEY DRIVER



SATELLITE CONSTELLATIONS
Higher revisit & resolution
New sensors

DATA FUSION
Ancillary EO and non-EO data



Data fuel

Analytics



SERVICE PROVIDER



END USER

AUTOMATED CONTROL

Lower latency due to mission automation, direct tasking, etc.

CLOUD-BASED GROUND SEGMENTS

Lower latency for data downlink due to data relay systems and digital ground segment networks

AUTOMATED PROCESSING

ML/DL algorithms & Bigdata architectures

WEB PLATFORM

One-stop shop platform offering new business models (subscription, etc.)

LOWER COSTS

NEW SERVICES & LOWER PRICES

LARGER CUSTOMER BASE



MARKET GROWTH

Episode 2: UKRAINE...

Data democratization



Ukraine conflict boosted commercial procurement and visibility

NEAR PERMANENT MONITORING

Joint usage of Maxar, Planet, BlackSky, Satellogic, Iceye, Capella Space et MDA, etc.

1



3

NEW SPACE ACTORS TURNED MAINSTREAM
New systems have gained visibility

INCREASING COMMERCIAL PROCUREMENT

D. Gauthier (Dir. Commercial Op. NGA), said in Feb. 2022 Optical procurement doubled and SAR multiplied fivefold

2

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A MORE TRANSPARENT WORLD
Unprecedented volume of information in the "public" domain

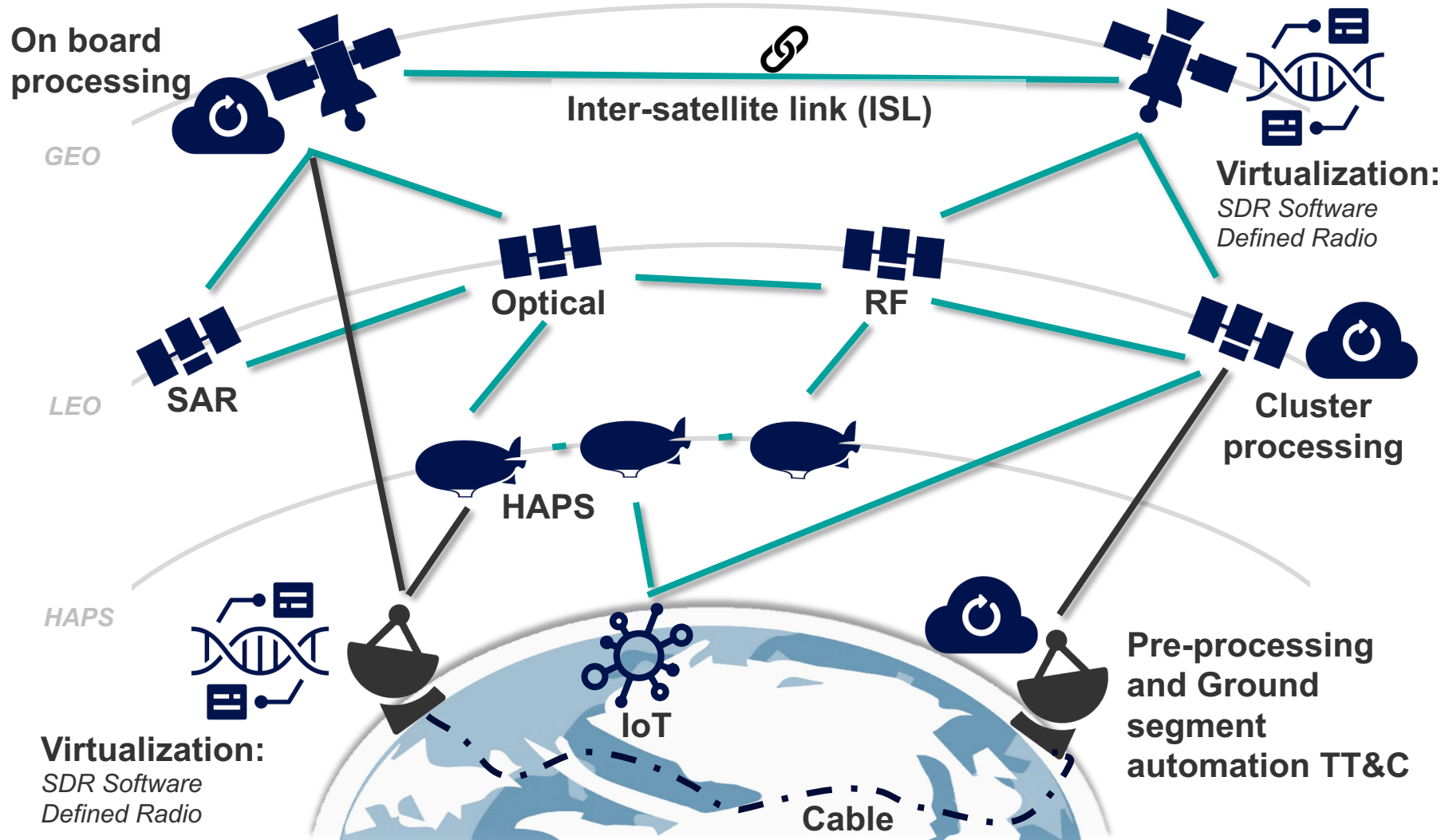
- *Subscription-based platforms / **Data fusion***
- *Towards new integrated services for defense: 3D simulation ...*
- *Artificial intelligence is essential: rapid detection, tracking of movements and analysis of large volumes, socio-economic contextualization*

Episode 3: AI...

AI interfacing, Pros and cons



Virtualization, hybridization, aggregation, dissemination



Advantages :

- Reactivity
- Resilience
- Redundancy
- Extensibility
- Adaptation
- Early warning

Hybridization :

- Networks
 - Defense/Civilian
- Payloads: EO/Telcom
- Platforms
 - GEO/LEO/HAPS
- Ground & Space
- Systems: SDR

AI for monitoring applications... but!

Sharpened satellite imagery



Sharpened satellite imagery







Maxar Vivid

Processed high-resolution, cloud-free
global satellite imagery basemap

+

Blackshark Semantic

Rapidly-detected, comprehensive,
3D database of Earth's infrastructure

=

Blackshark Synthetic

High-performance, global-scale
geotypical 3D representation



CREATING NEW APPLICATIONS AND OPPORTUNITIES OF GROWTH



Virtual Reality Training



Urban planning 3D models



Autonomous driving & Logistics



Insurance claims in 3D City models

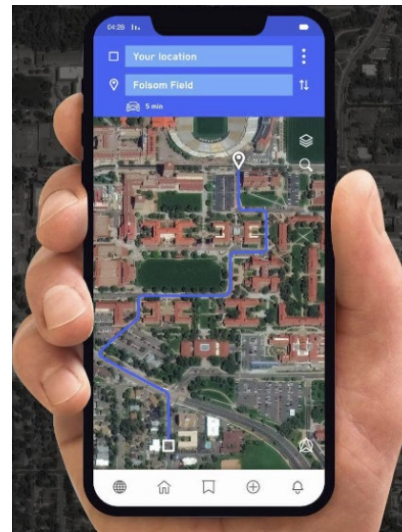


Entertainment, video game, cinema

Environment simulation and remote decision-making tools

Digital Twins and 3D

- Simulate disasters impacts (explosion, flood) to anticipate vulnerability
- Facilitate emergency response with turnkey tools



Parametric insurances

- Measure indices correlated to an insured's potential losses
- Trigger payment if a threshold is reached, avoid fraud



Thank you!

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