

(image by ESA: https://www.esa.int/ESA_Multimedia/Images/2015/01/PICASSO_CubeSat2

Building the Agenda for Tomorrow: Unlocking New Space Technologies for Societal Challenges



Hans Bracquené - SME4SPACE Chairman

New Space Economy Congress – July 4th 2025

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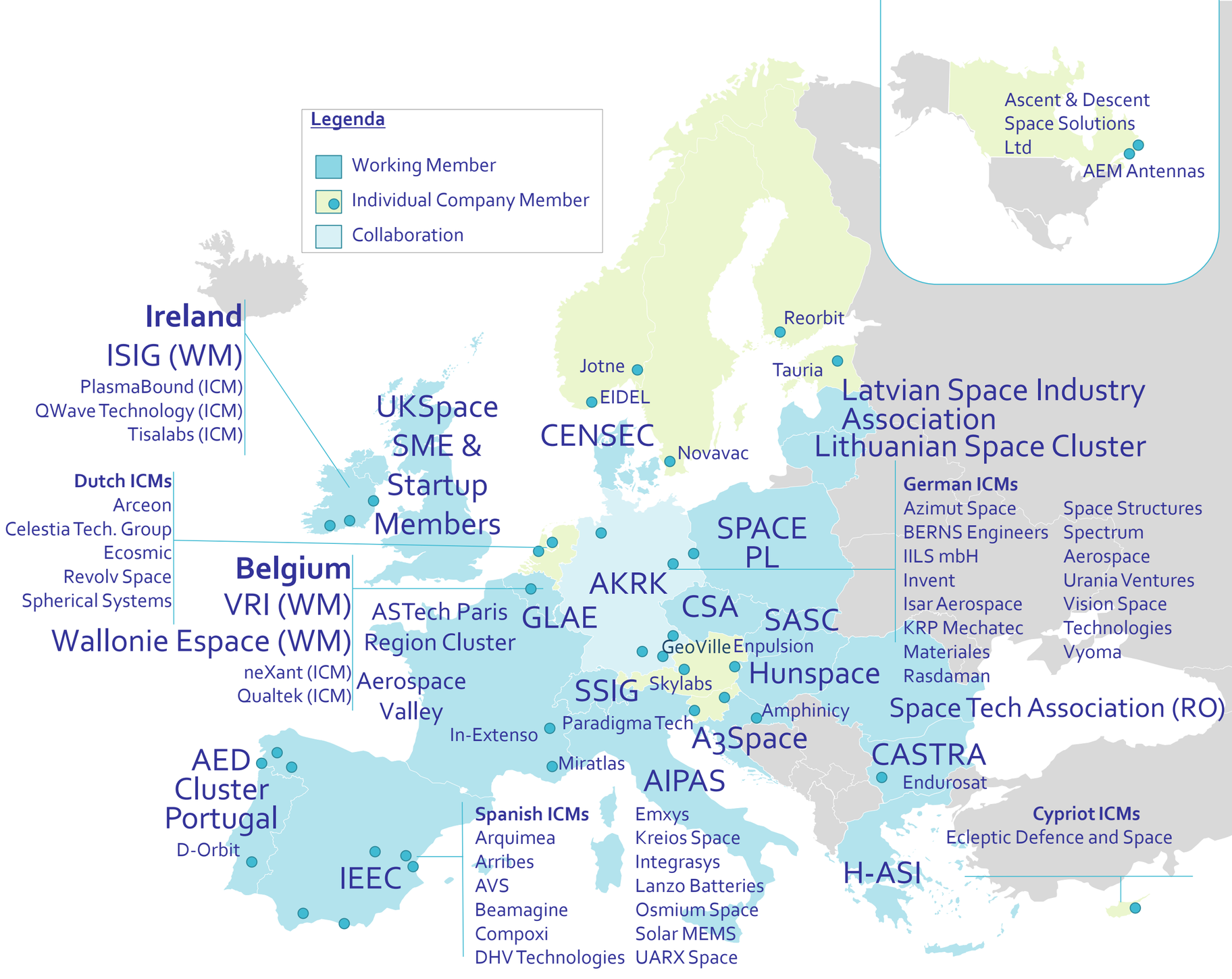
SME4SPACE MEMBERSHIP FOOTPRINT 2025*

30 Countries

22 Working Members
54 Individual Company Members

more than 850 SMEs overall

* Provisional



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Simera Sense

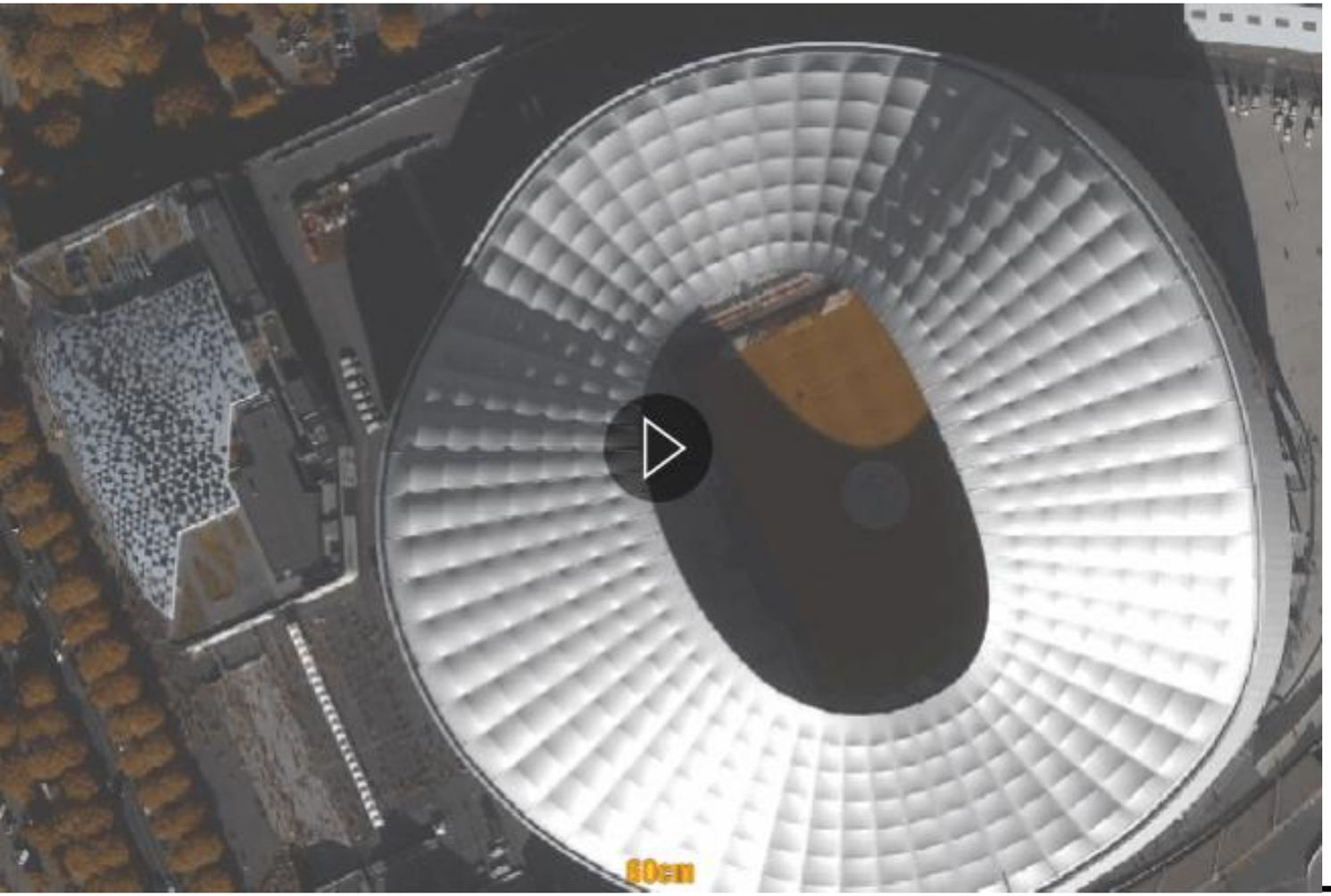
Simera Sense is on a mission to increase the detail sensed with smaller and affordable satellites. Simera Sense produces end-to-end optical payload solutions for the nanosatellite Earth observation industry, their standard range of products target the medium to high-resolution imagery market for CubeSat, micro- and small satellites.

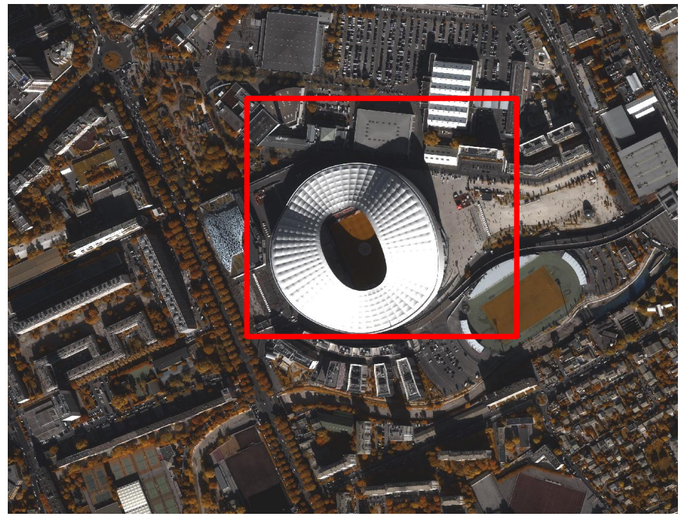
1. Reducing Mission Risks
2. Minimising EO Bottlenecks
3. Complete Digital Twin
4. Accelerate Time To Space
5. Delivering Earth Intelligence

Contact: info@simera-sense.com

Stade Vélodrome - Marseille

SIMERA SENSE





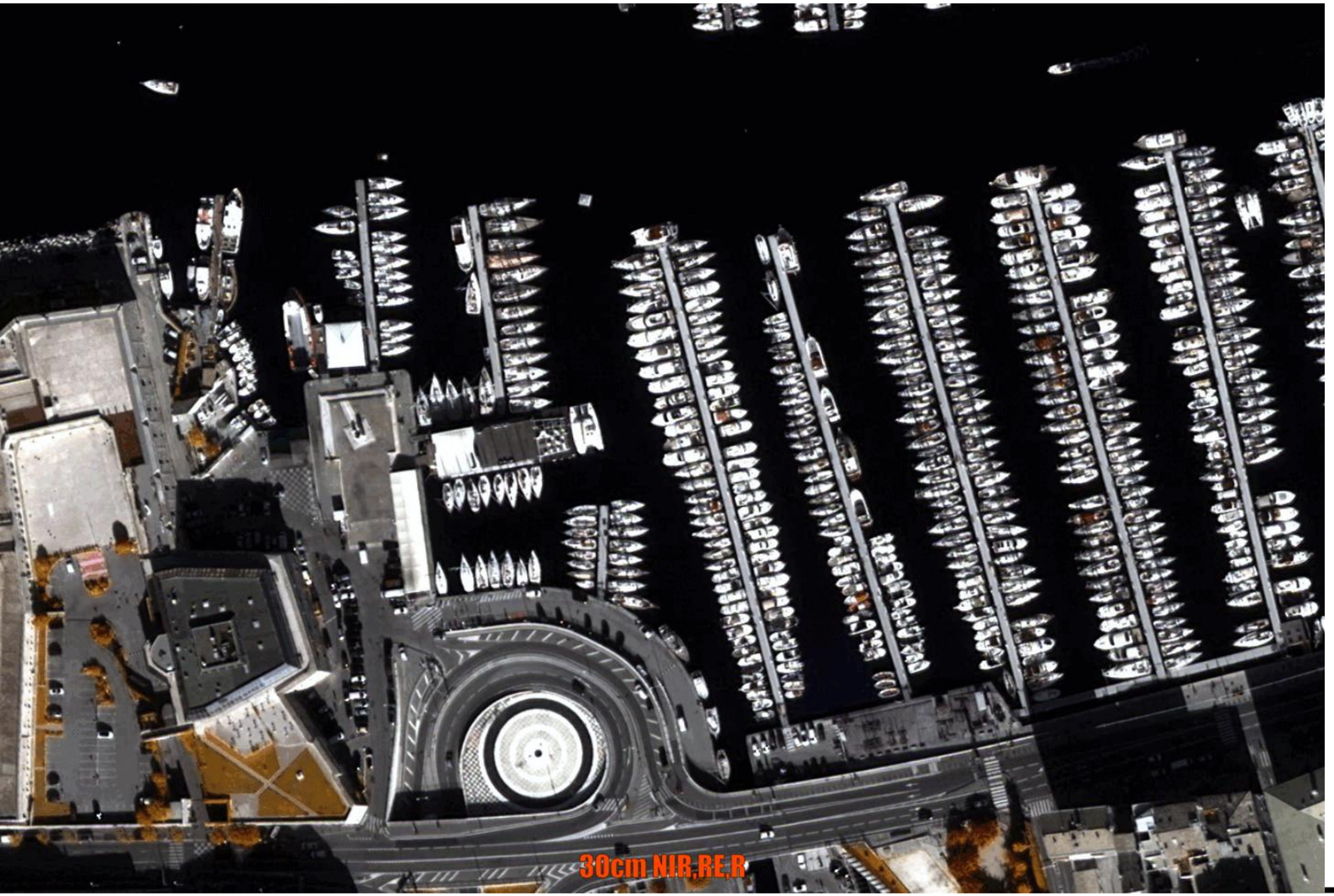
30cm 1:3 000 NIR,RE,R

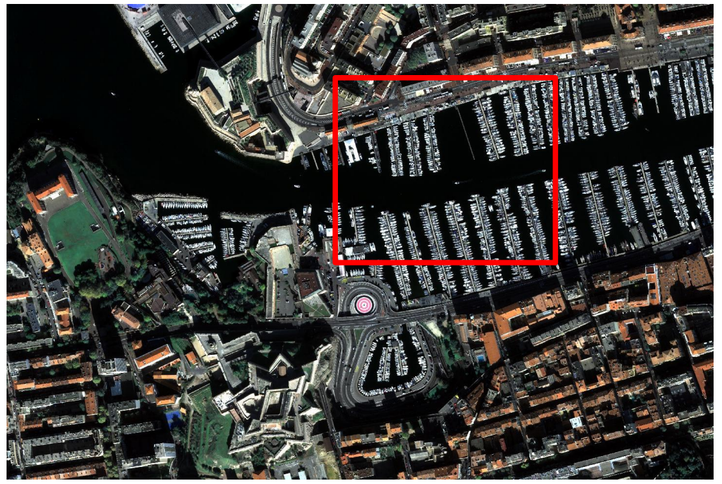
30cm to 150cm 1:1 000

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Boat Club area - Marseille

SIMERA SENSE





30cm 1:3 000 RGB

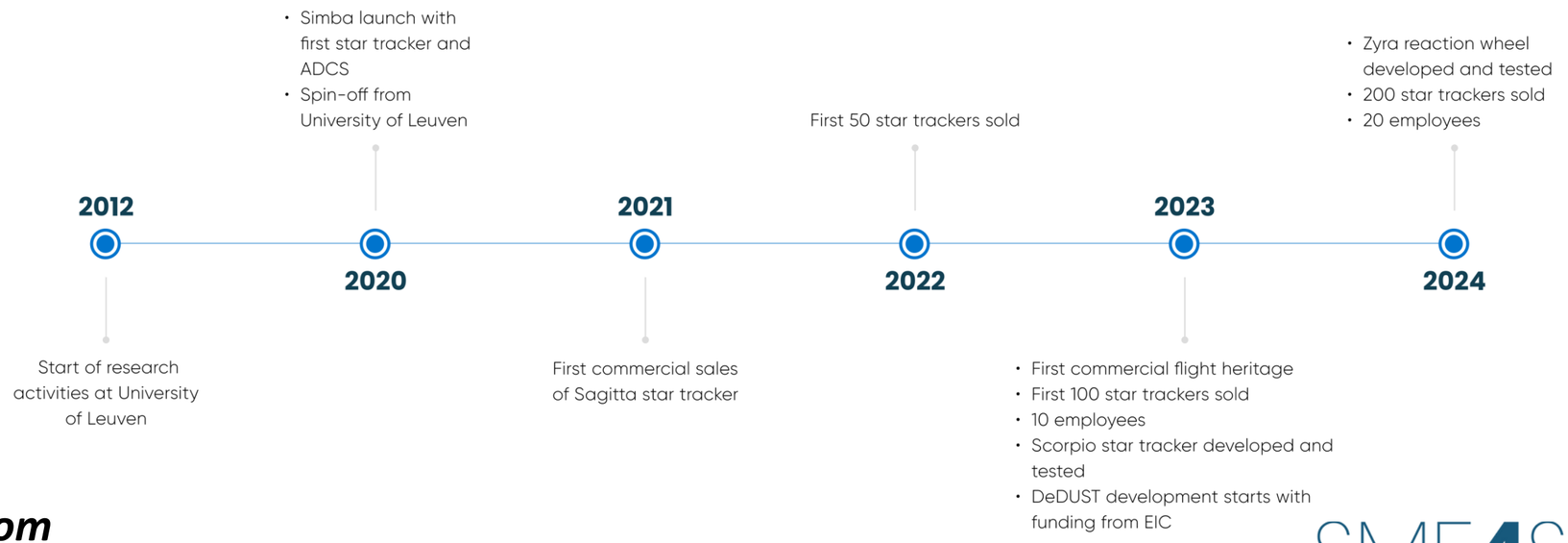
30cm to 150cm 1:1 000

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Arcsec

Arcsec is a spinoff company from the University of Leuven, Belgium, developing high accuracy attitude determination and control systems for small satellites.

- More than 5 years cumulative heritage in space
- More than 100 systems sold to clients worldwide
- Partners with ESA and support from European Innovation Council



Contact: info@arcsecspace.com

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ArcSec

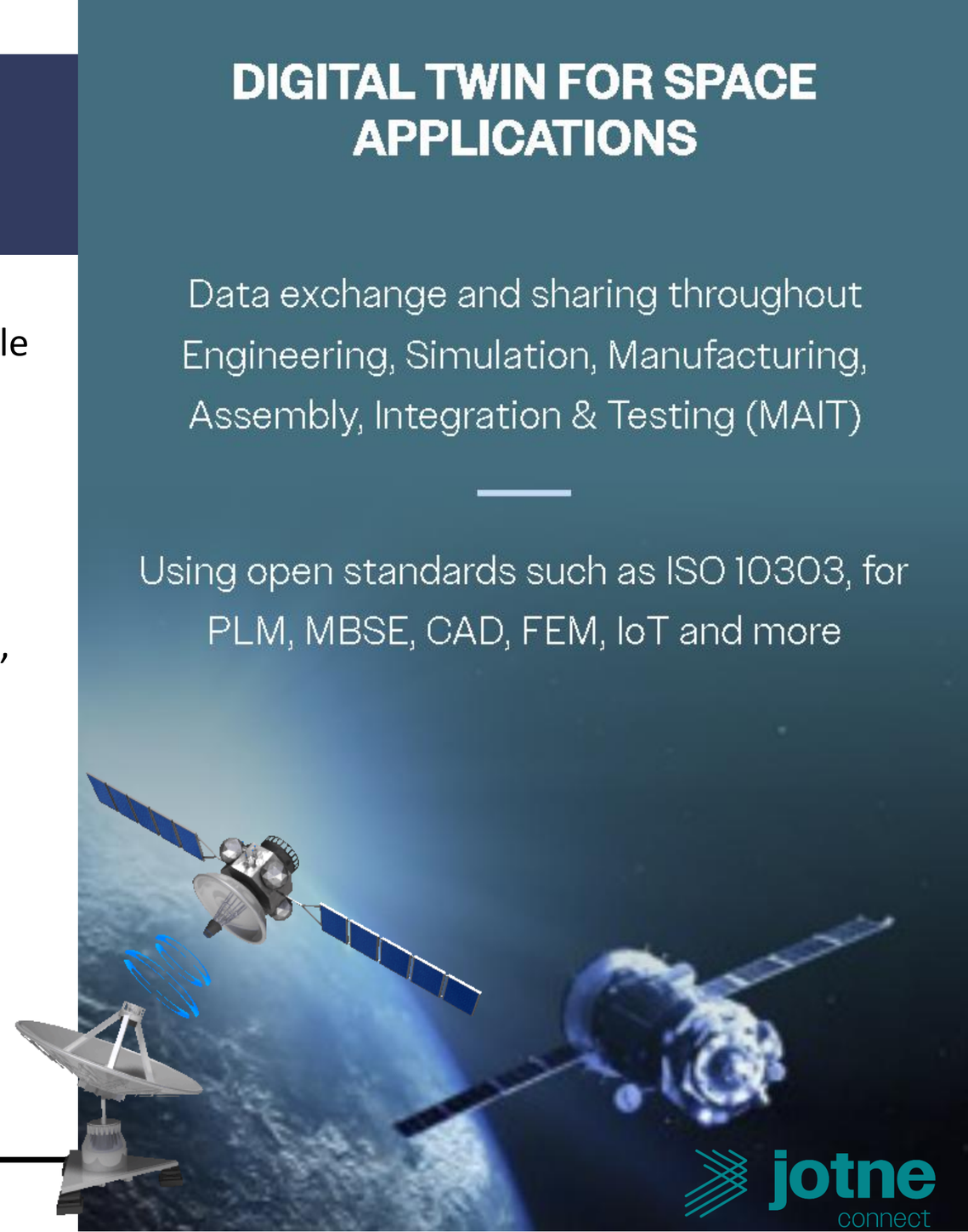
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Jotne Connect

Jotne is a Norwegian software pioneer driving digital engineering in space for over 25 years. Our solutions span the entire spacecraft lifecycle — from early mission analysis using **Concurrent Design Facility (CDF)** processes to **MBSE**, **Digital Twin, PLM**, **MAIT, TDP** applications, and in-orbit operations enhanced with **AI**. Used by leading Space and Defence LSI's.

Jotne develop software based on **open standards** like ISO 10303 (STEP), ensuring interoperability across disciplines, tools, and mission phases. Our flagship platform, **TruePLM®**, enables configuration-managed integration of design and operational data — forming a robust **Digital Thread** for modern space missions. In summary **TruePLM®** offers:

- Linking CAD, FEM, simulation, documents, and sensor data
- Enabling AI-driven analytics and predictive maintenance
- Ensuring traceability from requirements to operations and to handover of TDPs



Societal Impact - SDG Goal 12
Responsible Consumption and Production



Objective:

Integrating AI and digitalization into resource management systems to optimize resource allocation, reduce waste, and promote sustainable production practices based on satellite-derived data.

How:

Digital Transformation (DX) processes by AI enabled Digital Twin systems utilizing open standards for next generation of data exchange and sharing systems.

Benefits:

Sustainable Products begins with designing products with environmental (DfE) considerations in mind. This involves optimizing product design to minimize material usage, energy consumption, and waste generation including the carbon footprint. DfE principles, with the support of AI and Digital Twin, will prioritize the use of renewable materials, recyclable components, and energy-efficient manufacturing processes. It will be paramount to use Open Industrial Data standards to meet such objectives that empower organizations to achieve their sustainability goals while driving innovation and competitiveness.

Kjell Bengtsson, Jotne, Vice President
Board Member PDES, Inc. and CENSSS

Contact: Space@jotne.com

Small Programming as a support for Europe's competitiveness

- New Space, both new companies and legacy companies, can do more that generally accepted
- Need for support of product development, of end-to-end services
- Next to big missions
- Defeatism of "Europe having lost the world markets" can be countered by supporting these developments

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Thank you!