

Agnieszka Sybilska Darmstadt, 2025-06-11



Sybilla Technologies: Robust & Reliable Solutions for Space Traffic Management



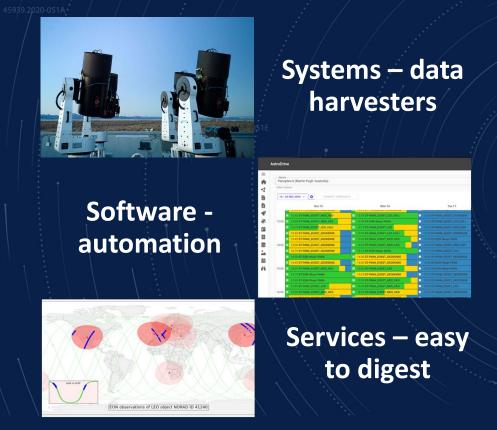
Polish company focused on Space Safety

Agile, accurate commercial optical sensor network, largest in Europe

Contributor to EU SST, multiple contracts for ESA, EDIDP/EDF

"One-shop supplier" for satellite owners, operators, service providers

Mission: Delivering high-quality, real-time data to make space safer



The Booklet as a Strategic Compass



Aligning our roadmap with ESA's Zero Debris vision

Tool for communication with policymakers and partners

Identifying capability gaps in surveillance and coordination

Guiding R&D investments and commercial offerings (alignment with community needs)

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ZERO DEBRIS

TECHNICAL BOOKLET



The Booklet as a Strategic Compass



- Using the Booklet to support policy conversations Advocating for procurement aligned with Booklet goals (rewarding sustainability)
- Positioning ourselves as a responsible actor ullet

Building Partnerships

- Identifying who's working on what
- Offering our capabilities to others Joining technical domains and working groups

ZERO DEBRIS TECHNICAL BOOKLET





Improving Space Traffic Surveillance & Coordination

EON/GEON: mobile, automated optical sensors on 5 continents

Sub-arcsecond accuracy and near-real-time ephemerides

Proprietary sub-catalogue with 650+ objects

Supports conjunction screening, maneuver verification, fragmentation tracking









Preventing Debris Generation: From Light Curves to Attitude Models

Preventing Debris Generation – Object Characterization:

- Light curves feed into 3D shape and attitude models
- Understanding tumbling behavior for safe removal
- Investing in AI-based attitude reconstruction
- Future: 'Characterization-as-a-Service' for operators and removal missions

From Booklet to Business: What Comes Next

Springboard for collaboration:

- Using the Booklet to identify partners and align offerings with ESA's goal Supporting lobbying in Poland and EU for sustainable space policies and funding •
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Commercial opportunities:

- New markets for compliance-as-a-service ightarrow
- Demand for verification tools and dashboards igodol
- Early-mover advantage in Zero Debris-aligned tech \bullet

Let's Build the Zero Debris Future Together

Looking for partners: sensor hosts, data integrators, removal mission planners, satellite operators

Working on any of the Booklet's needs & think our data, capabilities could help? Let's talk!

Stay in touch:

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