

EXECUTIVE SUMMARY

EU: "Sentinel of GEO Space"





PATENTED INVENTION

Centaur Space Inc. patented GEO Space Object Mapping and Surveillance System (Patent: US 12,250,259 B1)

PROVEN TECHNOLOGY

Flight proven TRL 9 payload sensors. Provides 100% object tracking and surveillance



Over 650 operational satellites, representing more than 40 nations, reside in GEO. Centaur Space has a solution to provide risk mitigation and Space Situational Awareness (SSA)

THE TIME IS NOW

The need for SSA has never been greater. The EIC and Centaur Space will lead the way.

Centaur Space Proprietary 2025

European Innovation Council









CHALLENGES / TRANSFORMATION



CHALLENGE

- Inadequate Debris Mapping
 - 4% of objects catalogued
 - Threat: Collision
- Absence of Space Situational Awareness (SSA)
 - Limited defense only implementation
 - Threat: Signal intelligence gathering, jamming, spoofing, and other
- Limited Inspection & Anomaly Resolution
 - Limited imaging of GEO satellites for inspection and failure investigation
 - Threat: Anomalies and failures unresolved





 EU leads in sustainability: 100% Object tracking and catalogue



EU leads in SSA: reduced reliance on US assets



EU leads in GEO imaging: Real-time imaging on demand

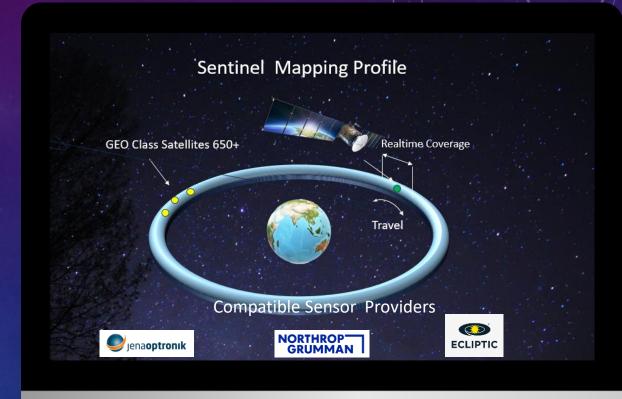


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SOLUTION METHOD

- Mapping/surveillance mobile satellite TRL 6 located in GEO class orbit configured with TRL 9 detection and imaging sensors (Radar/LIDAR/cameras)
- Station keeping inhibited: no propellant required for mapping operations
- Propellant reserved for SSA operations
- Super-synchronous orbit provides westward drift
- Our primary tracking innovation lies in the implementation of radar antennae on the east and west satellite panels and multi-spectrum sensors for surveillance



Patent: US 12,250,259 B1





MAPPING AND SURVEILLANCE ARCHITECTURE



TENET DFS

Centaur Space Operations Center (CSOC)

Tracking/Command/Control and data processing

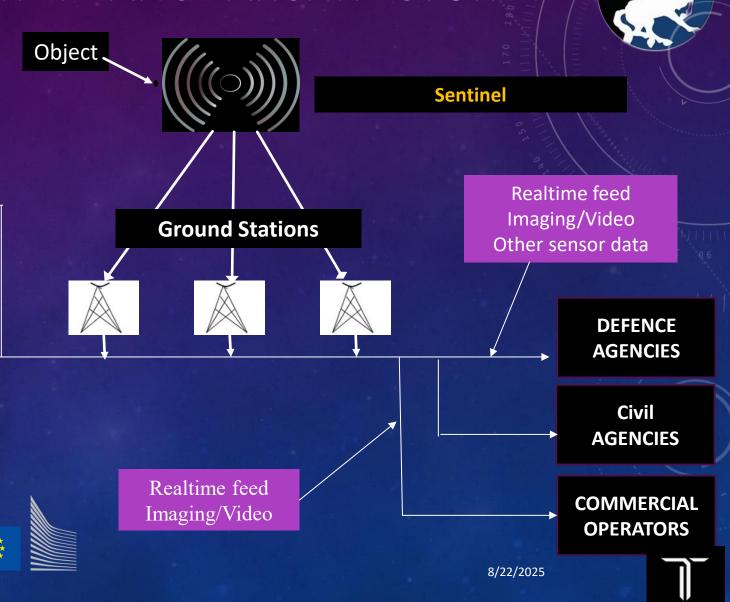
Collision Avoidance Alerts (CDM)

SC Operator 1

SC Operator 2

SC Operator "n"

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TARGET MARKET/INVESTMENT



Space Development Agency, UK (In work)

Government entities (e.g., SEPI, ISDEFE)

Satellite Operators (e.g. Hispasat, SES)

Space agencies (e.g. Spain, EU)

Contractors (e.g. Airbus, Thales Alenia, Sener)

Corporate Investors (e.g., Indra, Bharti)

Insurance Broker (e.g. Willis, AON)



Spain (e.g. Santander, Arcano) EU (e.g. SNCI, HSBC)





Target Market

All allied GEO satellite operators (500+ satellites)

- E.g. SES, VIASAT, Intelsat, Eutelsat

All allied defense agencies

- E.g. EDA, Spain Mod, USSF

All allied space agencies

- E.g. ESA, NASA, JAXA, ISRO



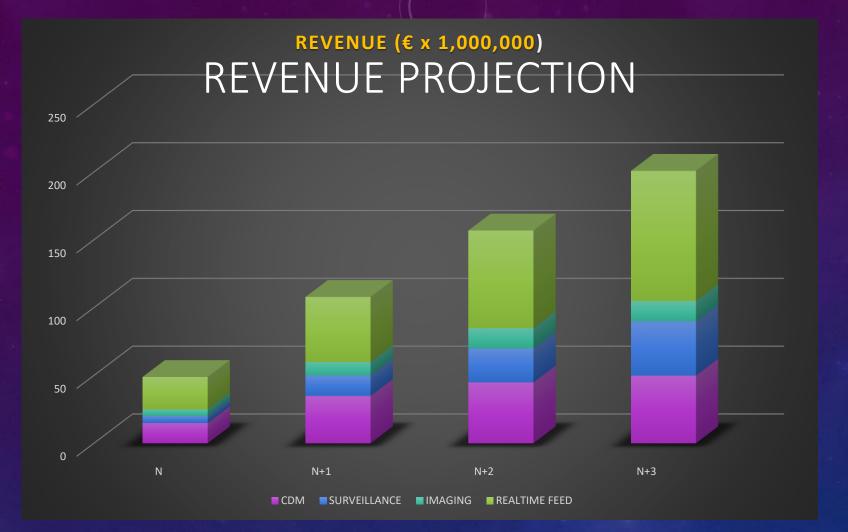
REVENUE GROWTH STRATEGY



- **COLLISION AVOIDANCE: REMEDIATION**
 - Strategic partnership with the Space Data Association (SDA) provides 250+ satellites: Growth to 500+
- SPACE SITUATIONAL AWARENESS (SSA)
 - Establish a customer base during grant phase
 - Utilize in-orbit case studies to grow
- IMAGING
 - Establish a customer base during grant phase
 - Utilize in-orbit imagery and case study to grow
- SECONDARY PAYLOAD
 - Accommodation of a secondary payload will provide either a significant reduction in program cost and/or a revenue stream











SERVICES

- Tracking/catalogue/CDM
- Threat assessment
- Deterrence
- Intel gathering
- Imaging
- Inspection
- Anomaly investigation
- Secondary payload





ORGANIZATION & RESPONSIBILITIES



STRATEGY & FINANCE (SF)

Tenet DFS
Aldebaran Partners Inc.

- Vision
- Decision making
- Strategy
- Finance
- Customer confidence



BIZ DEV (BD)

- Investors
- Partners
- Pricing
- Finance



MARKETING

- Promotion
- Communication
- Plan development
- Plan execution



ENGINEERING

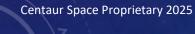
Aerospace Corporation

- Specification
- RFPs
- Contractor evaluation

BD and marketing report to the SF team SF & Engineering report to the CEO







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SUMMARY

EU: "Sentinel of GEO Space"

- GEO Space is an extremely valuable asset, yet sustainability and security are threatened
- GEO MapSat provides a solution for services including collision avoidance, SSA; threat
 assessment, deterrence, intel gathering imaging, inspection and anomaly investigation
- The mobile platform provides the foundation for a comprehensive SSA constellation
- The E U is expanding its space situational awareness (SSA) program and pushing toward greater use of commercial capabilities, the latest move in a long-term push for "strategic autonomy" that could free the continent from much of its dependency on American space tracking capabilities. Centaur Space Inc. is at the forefront of this effort.











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