



COSMOS 371

FENGYUN_1C_DEB

SL-19-R/B

CZ-4_DEB

METEOR 3-5



PROTECTION



DETECTION

Space Situational Awareness Radar-based SSA service

24/7 radar survey

~ 10,000 tracks per day

Latency <30 min

HEMERIA provides an independent catalogue of over 15,000 Resident Space Objects in LEO and associated advanced services, based on our network of SYRAH survey radars.



PROTECTION



DETECTION



Approved by: CNES - the French Space Agency, EU SST

Our services

SURVEY

Resident space objects catalogue

STANDARD CATALOGUE

Includes public data* similar to SpaceTrack

- Higher orbit fidelity than TLE
- Responsive & low latency
- Guaranteed data reliability (backed by SLA)
- 100% European-sourced data

PREMIUM CATALOGUE

- Access to **exclusive data** not available in SpaceTrack

TAILORED CATALOGUE EXTRACT

- Access to a specialized extract from our RSO catalogue, applicable to a specific fleet of satellites

STALK

Monitoring as a service

- **Event detection** for one or several satellites: monthly or annual subscription
- **Advanced monitoring service** for a pre-established satellite list including the fusion of data from partner sensors: optical, laser and/or passive RF data

SEEK

Space domain forensics

- **Conjunction & threat attribution**
- **Leveraging historical situational data for post event analysis** to investigate conjunctions or hostile maneuvers, establishing clear accountability in the space domain

* Data are provided in the following formats: TDM, ODM with/without covariance

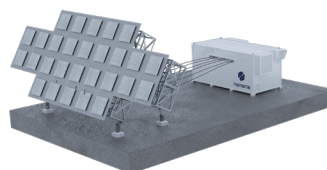
Our network

HEMERIA also provides SYRAH* radars as a **sovereign capability**. **Mission-ready** HEMERIA survey radar, benefit from a **30 years heritage** based on the GRAVES radar of the French MoD. Its performances are proven with the unique advantage of an **unlimited number of measurable objects** at a given time. To maximize operational efficiency HEMERIA's SSA & SDA experts deliver, set up hardware and software, supervise and maintain customers' SYRAH system, train and support their team. All SYRAH owners have the possibility to be a member of HEMERIA's network and benefit from exclusive advantages on our SSA services.

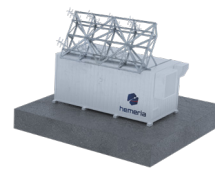
* SYstem RAdar Hemeria

Applications

- **LAUNCH ANALYSIS:** Post launch maneuver detection
- **FRAGMENTATION:** Events detection & debris monitoring
- **SPACE TRAFFIC MANAGEMENT:** Real time data for new objects detection, RPO and maneuver detection



SYRAH-Tx: Transmission site



SYRAH-Rx: Reception site

Our strengths

- **AVAILABILITY:** Unmatched availability, whatever the conditions
- **UNQUEUED SURVEY:** Autonomous «first-look» capability, bypassing third-party designation
- **SOVEREIGNTY & SAFETY:** Sensors & processing fully managed by HEMERIA to guarantee complete data sovereignty and strict confidentiality

HEMERIA

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