

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 Low Earth Orbit and associated advanced services, based on our network of SYRAH bistatic survey radars.



PROTECTION



DETECTION

NEW SAT

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 **non-public** and **exclusive data**

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 forensic

- **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

Applications

- **Launch analysis** including post launch maneuver detection
- **Fragmentation** detection and debris monitoring
- **Space traffic management** with real time data to detect new objects, rendezvous and proximity operations and maneuvers

Our strengths

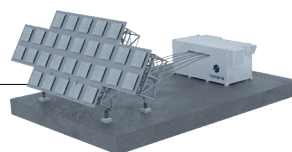
- **Acting as space fence:** monitoring your assets while also being aware of all the other potential threats in your surroundings
- **Unmatched availability**, whatever the conditions
- **Autonomous "first-look" capability**, bypassing third-party designation

SYRAH offered as your sovereign capability

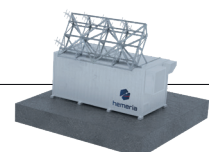
Mission-ready SYRAH* bistatic survey radar benefits from a 30-year heritage based on the GRAVES radar of the French MoD. Its proven performances demonstrate the unique advantage of an **unlimited number of measurable objects** at a given time.

To maximize operational efficiency, our SSA experts deliver, set up hardware and software, supervise and maintain customers' SYRAH system, train and support their team.

All SYRAH owners can become members of HEMERIA's network: share your data and gain preferential access to the global data catalogue produced by our SYRAH network.



SYRAH-Tx: Transmission site



SYRAH-Rx: Reception site

* System Radar Hemeria

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