COSMOS 371

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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**

Our services

Survey resident space object catalog	Seek on demand data	Stalk monitoring as a service
Standard catalog	*Bronze token*	*Event detection for one or several satellites. Monthly or annual subscription*
• Includes public data* similar to SpaceTrack	• Provision of a TDM for a public object	
• More frequent data updates	*Silver token*	*Silver subscription*
• Higher orbit fidelity than TLE	• Provision of a TDM for a non-public object using an external designation	• Monitoring service for a pre-established satellite list
Premium catalog	*Golden token*	*Golden subscription*
• Access to **exclusive data** not available in SpaceTrack	• Provision of a TDM for a non-public object without using an external designation	• Advanced monitoring service for a pre-established satellite list including the data fusion from partner's sensors

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

Applications

• Maneuver detection, rendez-vous and proximity operations, fragmentation, launch analysis, etc.

Our network

The HEMERIA network is composed of SYRAH radars. SYRAH is a bistatic survey radar based on one transmission site and one reception site. HEMERIA also provides SYRAH radars as a sovereign capability. All SYRAH owners have the possibility to be a member of the HEMERIA network and benefit from exclusive advantages on our SSA services. HEMERIA ensures SYRAH supervision, maintenance and offers training by SSA and SDA experts.

Strengths:

• Unlimited number of targets

• Modular and scalable architecture

• Proven technology based on 30 years of heritage