

KnownSpace Advanced SDA Services

U.S. Based Data Provider

Kratos' KnownSpace Space Domain Awareness (SDA) services deliver data and analytics integrated across the orbital, link, and terrestrial segments to support the commercial, civil, and defense market. KnownSpaces' services offer critical insights that augment today's traditional resources and tools for understanding and responding to emerging on-orbit threats.

SDA has become even more vital to mission success because of increasing commercial space activity and escalating number of international actors influencing the dynamic space theater. In today's contested and congested environment, a complete operational picture of space domain awareness is critical and KnownSpace is here to help.

Tracking and Maneuver Detection Services

Highly Accurate Tracking and Maneuver Detection provides satellite position and velocity with 100 meter accuracy or better, 30 minute revisit rate, with no solar exclusion window or cross-tagging closely spaced objects.

Signal Survey and Characterization Services

Signal Survey and Characterization measures satellite transmissions and characterizes signals to reveal key attributes including bandwidth, center frequency, modulation type, and power.

EMI Detection Services

EMI Detection services are available at **high revisit rates** and with **continuous monitoring**. C2 and payload signals must be monitored for both accidental and deliberate interference.

Geolocation Services

Signal Geolocation pinpoints fixed and mobile terrestrial emitters with a typical accuracy of 5 kilometers.

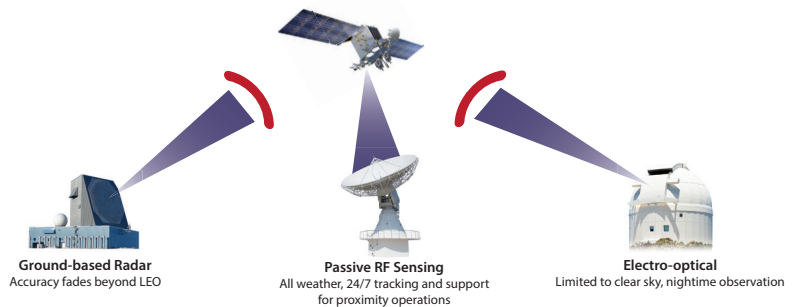
Tailored Services

In addition to these standard services, Kratos provides tailored solutions including EMI Mitigation as a turnkey service and Custom Data Collection capabilities leveraging our worldwide KnownSpace network.

The Power of RF

KnownSpace captures RF signals to locate and track objects in space, understand missions and provide actionable insights.

Electro-optical systems lose custody during the day-time and ground-based radar is not cost-effective beyond LEO. Neither are suited to the proximity operations and interactions that are becoming common. RF complements, rather than replaces these legacy technologies as it can only see active objects, and not inactive debris.



The two main sensor types for SDA data: Radar and Electro-Optical (EO). Each offers strengths, but also limitations. RF data can fill the gaps to enhance SDA.

We Do the Work

With our commercial services, you do not need to own your own hardware or systems. KnownSpaces' global sensor network and 24/7 network operations center can meet all your SDA and RF Management needs.

This unique global commercial deployment of hundreds of antennas gives Kratos KnownSpace unparalleled access to satellite signals.

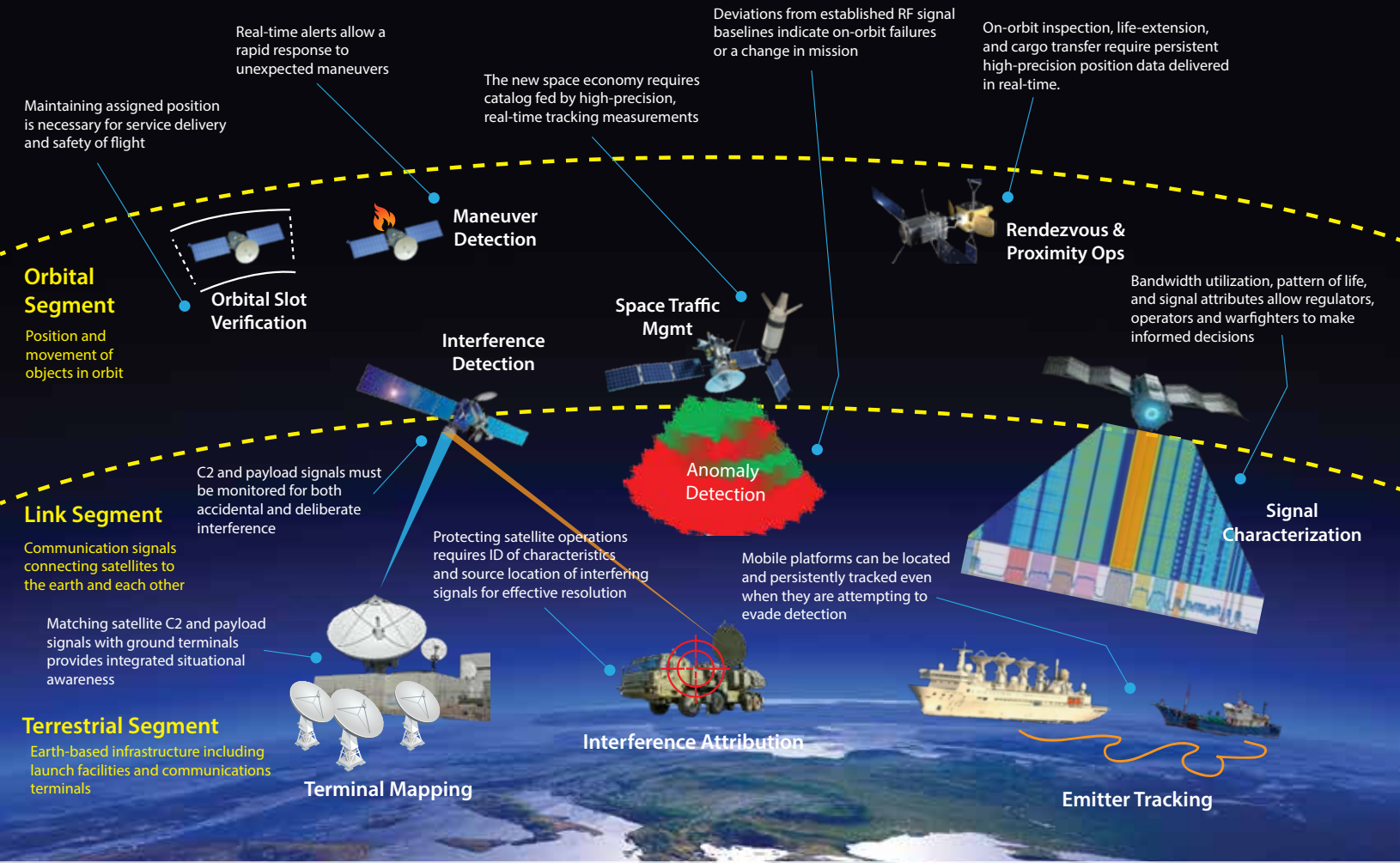


Kratos' KnownSpace SDA services are powered by a world-wide network of 21+ sites and 190+ sensors.

KnownSpace Advanced SDA Services

Orbital • Link • Terrestrial

Deploy the Power of RF



Tracking and Maneuver Detection

- 360° GEO belt coverage
- 30-minute revisit rate
- Typical accuracy of 100m or better

Signal Survey and Characterization

- 360° GEO belt coverage
- 4-hour revisit rate
- 2 THz and 150K carriers / day

EMI Detection

- 360° GEO belt coverage
- Continuous revisit
- 170K transponders / day

Geolocation

- Global Geolocation Coverage
- Typical accuracy is 5 km or less