



PredaSAR Corporation is a US-owned and operated small business that is building and will operate the world's largest and most advanced commercially operated Synthetic Aperture Radar (SAR) satellite constellation. PredaSAR is initially building a 48 satellite X-band constellation to operate in both sun-sync and mid-latitude LEO orbits in order to provide persistent coverage over the land and water within the US and island territories. The first launch is secured on SpaceX Falcon 9 in the middle of 2021 and the operational constellation will be built out over the next few years.

The PredaSAR constellation captures very high-resolution images and advanced radar products for ISR missions at any time of day and night and in any weather conditions, overcoming natural limitations of traditional optical satellites. SAR data can be used to detect surface vessels, semi-submersibles, vehicles, earth disturbances, patterns of life, and other geospatial events of interest. These space-based systems can provide situational awareness and actionable information for timely decision making.

Recent advancements in engineering, manufacturing, and the way SAR data is collected and processed have decreased the size, weight, and power consumption, and cost of SAR systems. At the same time, the capabilities of SAR have greatly increased so that data can be sent to the ground in virtually near real-time to support a wide variety of mission-critical government and commercial applications.

[www.predasar.com](http://www.predasar.com)

*The Clear Choice for Compelling SAR Solutions*

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