

SNC[®]

Vindlér



With more than 12 years of experience developing advanced algorithms, analytics, process automation and leading laboratories, SNC is partnered with Spire to expand space services to design and deploy six-unit (6U) cubesats addressing a growing market need for radio frequency (RF) collection and analysis. Spire and SNC will launch satellites that detect and geo-locate certain objects based on targeted RF emissions. The program will provide valuable insight into how the military can manage RF emissions and safeguard against RF and GPS interference in an efficient, low-risk and cost-effective manner.

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Features

- Four 6U satellites
- New mission payload
- Customer-facing interface with imagery
- Ability to task constellation
- Advanced RF collection capabilities
- RF data repository with automated ingest
- Algorithms correlating imagery and RF emissions supporting computer vision requirements
- Safeguard against RF and GPS interference



Intuitive analyst interface



Ability to task while in orbit



Correlation of RF & commercial data sources



Photo Credit Spire Global



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Delivery of Raw IQ & RF Detection & Geolocation from:

- L-band SATCOM devices
- S-band
- UHF
- VHF
- GNSS interference/jamming signals

This signal collection cohort is integrated into SNC's superior data repository for analytical use

Specifications

• Orbit	Polar
• Altitude	550km
• Life Span	38 Months (36 months operational)
• Orbit C2	Spire
• Sensor Control	SNC
• Downlink	up to 4 GB daily/satellite



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