


The logo consists of a series of blue dots of varying sizes arranged in a semi-circular arc, with a bright orange and yellow streak extending from the bottom right dot towards the top left.

**NovelSat**

Making Space in Space

**Breaking barriers  
in satellite efficiency**

A large satellite dish antenna is shown at the bottom right, emitting a powerful, bright orange and yellow beam of energy that extends diagonally across the dark blue, star-filled sky towards the top left.



## About NovelSat

Founded in 2007, NovelSat is a world leader in satellite communication technology. Its field-proven satellite communications platforms deliver unsurpassed spectral efficiency, transfer speeds and high-end features to businesses of all sizes who rely on satellite communications for data transmission and broadcasting. NovelSat solutions are deployed at thousands of sites in over 150 countries.

The NovelSat product portfolio includes satellite modems, modulators and demodulators. All support DVB-S, DVB-S2 and DVB-S2X industry standards while offering further efficiency and bandwidth savings utilizing the NovelSat NS4™ waveform and NovelSat DUET™ CeC™ (Carrier Echo Cancellation) technologies. NovelSat technologies deliver the satellite industry's most compelling ROI and the most scalable transmission solutions from 64Kbps to 850Mbps on a single modem.

## NovelSat Technology

NovelSat products are designed around a high performance software-defined architecture. All NovelSat modems, modulators and demodulators are 'Hardware-Ready Platforms' that enable software scalability.

## NovelSat Advantages

- Supports DVB-S/S2/S2X communication standards
- Wide offering of software efficiency packages:
  - NovelSat NS4 advanced waveform – Up to 45% efficiency gain compared with DVB-S2. The only waveform to offer 2% Roll-off.
  - NovelSat NS3 technology typically delivers 30% more efficiency than DVB-S2
  - DVB-S/S2 with 5% Roll-off – Up to 28% capacity boost or up to 20% bandwidth savings while maintaining DVB-S/S2v backward compatibility
  - Embedded WAN acceleration (TCP, Header and Payload compression & optimization)
- NovelSat DUET CeC – Capacity boost of up to 100% for bidirectional modem traffic
- NovelNet NMS – Bandwidth efficiency optimizer and automated network management platform
- Powerful RF Interference Mitigation software package
- NovelSat FreeBand – Free upstream satellite contribution over existing distribution bandwidth





For more information about NovelSat and the most scalable, resilient high-efficiency satellite communication solutions, contact us.

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