

# Spacenet Armadillo

## Spacenet Armadillo VSAT for Mission-Critical Utility Monitoring

The energy and utility industries face many unique challenges and network requirements, and maintaining a sophisticated communication system is critical for maximizing data accuracy and reliability and reducing operating costs. In addition, utility companies need remote monitoring at electrical substations and must have suitable equipment to withstand extreme and variable weather conditions while providing high network availability and secure information transfer.

Spacenet serves the needs of utility and energy customers with its wide area network solutions via satellite connections as well as value-added services and network management. Designed specifically for mission-critical utility monitoring in outdoor environments and extreme conditions, Spacenet introduced its Armadillo VSAT – an integrated and durable weatherproof encased VSAT unit. The Armadillo VSAT is designed for use with Spacenet's advanced Connexstar SE service, providing a fast, secure and reliable networking solution for utility customers in any location.

### Benefits of Spacenet's Armadillo VSAT:

- > Suitable for extreme weather conditions
- > 100% geographic availability – even in remote areas
- > Easy mounting requirements
- > Fast network deployment
- > Low power requirements
- > Faster, more reliable monitoring and data transmissions
- > Supports a wide range of utility applications
- > Handles IP or Asynchronous communication traffic in a secure environment

### Key features of the Armadillo VSAT include:

- > SkyEdge VSAT unit encased in industrial strength metal
- > External dimensions: 300mm W x 200 mm H x 100 mm H
- > Suitable for –40 degrees and up to 60 degrees Celsius
- > Availability of AC and DC power supplies
- > Internal heating and thermostat unit
- > Sealed cable entrance
- > Lightning protection

### Connexstar SE solution service options include:

- > Full-time primary or part-time services
- > Narrowband (1200 baud) or up to 3 Mbps downstream and 1 Mbps upstream
- > Symmetric or asymmetric service options available
- > 128-bit AES encryption over the satellite link
- > IP traffic prioritization
- > IPSec-encryption or dedicated frame-relay or ATM backhaul option from the Connexstar SE hub to the customer NOC facilities



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