

Satellite Agnostic Intelligent Link (SAIL) Solution



The Satellite Agnostic Intelligent Link (SAIL) solution is a rapid-deployment, stabilized VSAT/LTE communications package, capable of supporting high-throughput bandwidth globally via a diverse portfolio of satellite constellations: low earth orbiting (LEO), medium earth orbiting (MEO), and geostationary (GEO).

The SAIL skid design currently leverages LEO constellations for bulk file transfers to the cloud and traditional (GEO) constellations to deliver always-on connectivity for mission-critical data.

The tremendous value of the SAIL skid solution is that it can operate independently or in tandem with any satellite owner's Ku band network today.

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Streamline Digital Transformation

Remote piloting, digital inspections, and bulk operational technology (OT) data uploads to the cloud require the upmost agility. The SAIL solution delivers same-day connectivity by bypassing slow-moving, monopolistic networks incapable of ad-hoc bandwidth allocation within a 45-minute window.

Set SAIL with vendor-diverse WANs

The SAIL solution can fuse up to eight independent wide area network (WAN) connections (gateways to the Internet) into one solution, enabling the uptime required to perform remote operations and automation offshore.

Diversity is the name of the game, and Oceaneering is agnostic to the service provider so long as the technology meets and/or exceeds the client's application.

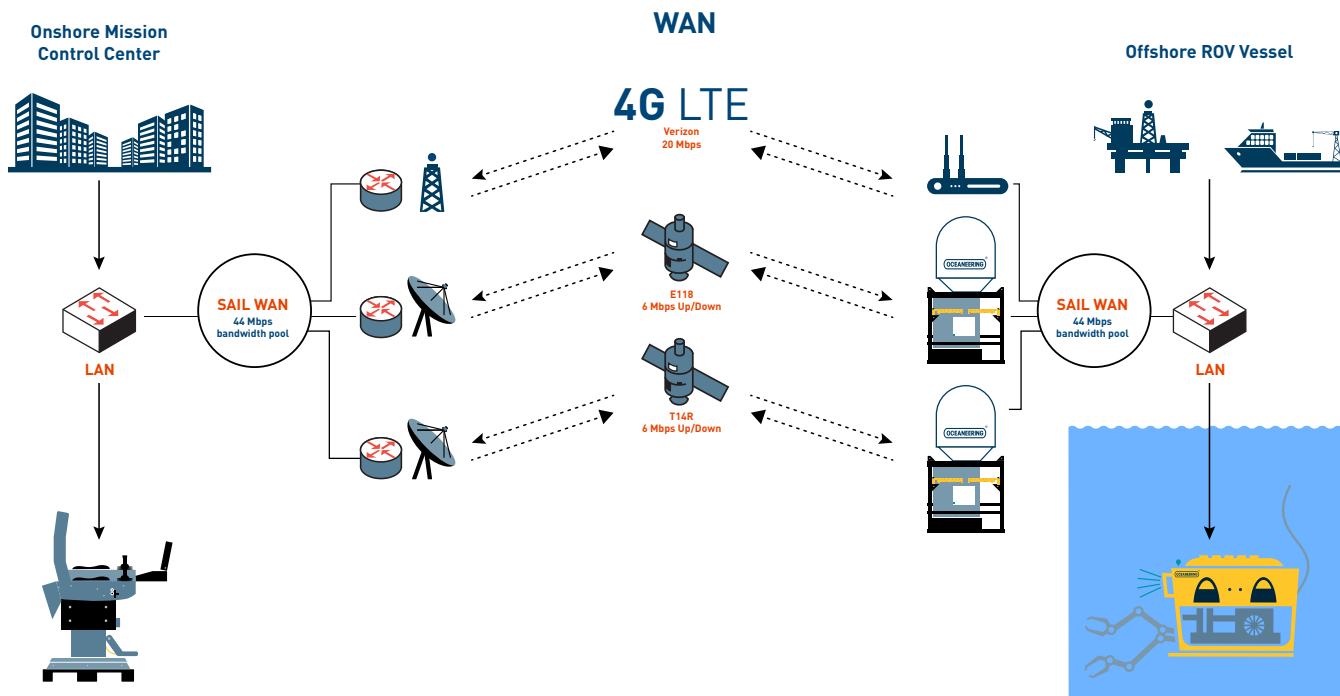
Immediate value adds:

- » SAIL over any network
- » 6 Mbps ad-hoc upstream (GEO), 8Gbps in 8-minute flyover (LEO)
- » Seamlessly fuse up to eight WANs
- » Global inventory/support centers
- » Choice of 256-bit AES, or IPsec encryption
- » Constellation/service provider diversity
- » Fail-safe uptime for mission-critical data
- » Rapid-deployment, same-day service
- » Remote, cloud-ingest onramps
- » Footprint (LxWxH): 5.5 x 5.5 x 10.125 ft / 1.67 x 1.67 x 3.08 m
- » Weight: 2,455 lb / 1113 kg

Most common applications today include:

- » Real-time EDGESmart™ OT data and analytics
- » Digital inspections and remote piloting
- » OMV 2.0; live video streaming with intelligent playback
- » Asset monitoring and intelligence
- » Reducing personnel offshore to increase safety
- » Rapid response and risk mitigation
- » Dedicated bandwidth for operations
- » Proof of concepts for blockchain, 3D printing, and radar fusion
- » Command and control centers of excellence

Remote piloting of an ROV





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