



Energy

EXTEND THE DIGITAL OILFIELD

SES Networks Energy Solutions raise the standards bar for internet connectivity and data, voice and video communications quality onshore and off. Quickly and cost-effectively extend network footprints to the most remote places on the planet for safer, more efficient remote monitoring and control over operations across the energy ecosystem. Enable superior quality of experience for users of cloud ERP, asset management applications, concurrent high-definition (HD) video streams, and communications.

Why SES Networks for Energy Solutions?

SES Networks' next-generation MEO and GEO satellite fleets coupled with an intelligent, dynamically scalable global core network, enables high performance broadband connectivity with throughput up to 1Gbps, and superior ubiquitous 4G/LTE performance at offshore and onshore locations anywhere in the world. Provide internet and private network connectivity on and around work sites, platforms or rigs; deploy and manage Industrial Internet of Things (IIoT) and Supervisory Control and Data Acquisition (SCADA) sensors; remotely control video monitoring systems; and perform preventative maintenance tasks with full collaborative capabilities wherever the action happens.

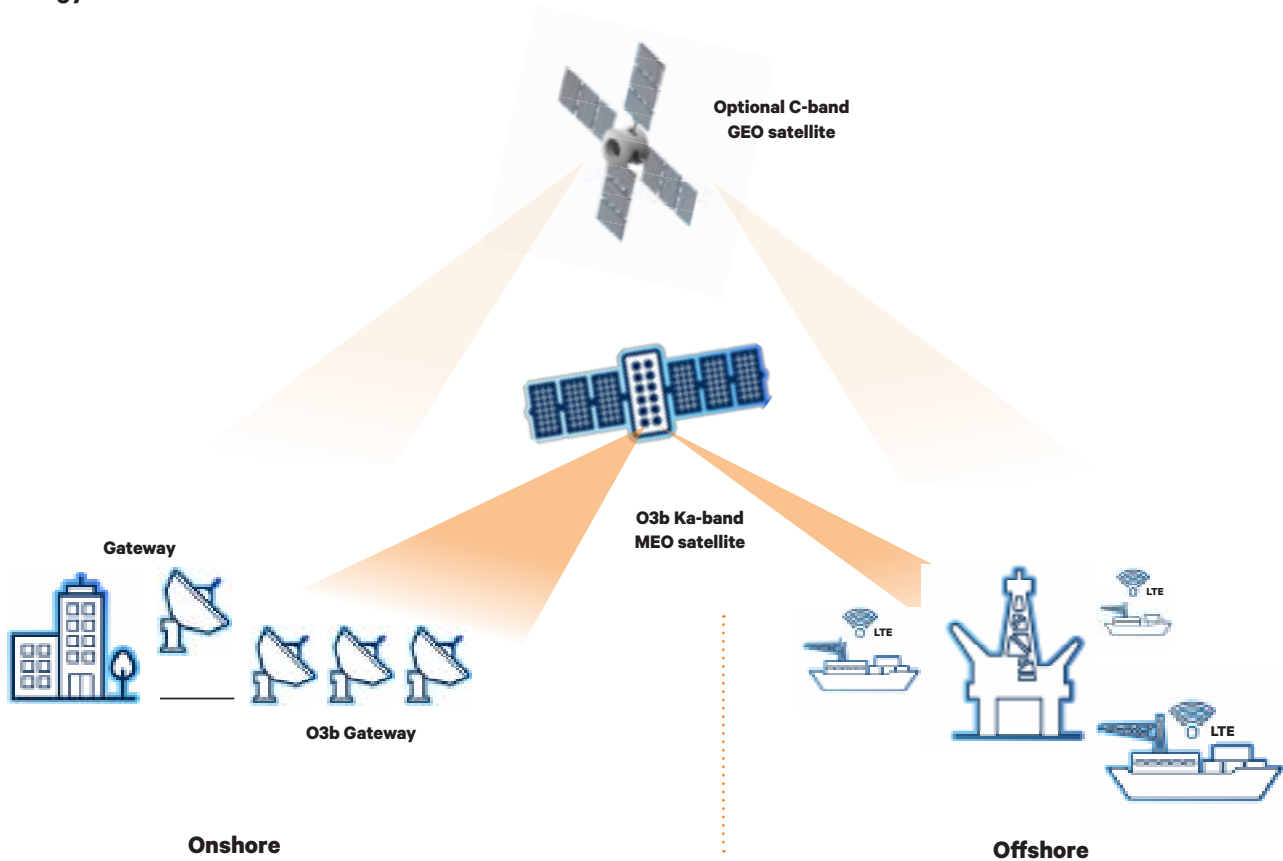
Key Features

- Low latency, high throughput satellite-enabled connectivity with data throughput rates up to 1Gbps
- Satellite round-trip data latency of <150ms
- Supports latency-sensitive data, video and voice applications
- Guaranteed bandwidth availability for remote platforms
- Fast deployment, minimal CAPEX

Benefits

- Complete control over onshore/offshore operations anytime, all the time, from virtually anywhere via one provider
- Consistently superior end-user experiences at network edges
- Scalable bandwidth on-demand when needed
- Offload data in real-time to shore processing centers
- Access advice from experts at remotely connected locations
- Easily add new mobile broadband services, devices and users
- Watch concurrent live HD video feeds from integrity inspections
- Provide secure permanent remote access to operational IT/OT systems
- Enable collaboration and remote participation in reviews
- Enable enhanced hydrocarbon recovery capabilities

Energy Solution Architecture



Improve Onshore and Offshore Productivity

Satellite broadband enabled assets and automated systems empower engineers and operations personnel to prevent and solve issues more quickly, and to do so in a safer work environment. When crew members can make and receive online video calls, email, watch streaming videos, and use social media without bandwidth bottlenecks, productivity and loyalty increase keeping operations running smoothly and safely. With optimised internet broadband that truly delivers, there's little need to travel to remote rigs or sites, making operations safer and more cost efficient. Using SES Networks fully managed connectivity and network services leaves staff members to focus on their core tasks and business not managing IT and OT systems at hard to reach locations. Bandwidth can easily be distributed and dynamically scaled at a reduced cost, even as more users and devices, more bandwidth-intensive applications, and multiple cloud services are added, all accomplished without a reduction in network availability or performance degradation.

Better Network Performance, Better Business Results

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