



SETTING THE STANDARD

Revolutionizing Operations with Starlink Connectivity

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Seadrill 

Introducing Starlink

Starlink is a state-of-the-art satellite internet service developed by SpaceX, designed to provide high-speed, low-latency internet across the globe, particularly in remote and underserved areas. With a fleet of more than 5,000 low Earth orbit (LEO) satellites, Starlink delivers reliable and uninterrupted connectivity, revolutionizing how we access and use the internet in challenging environments.

Why Starlink?

At Seadrill, we recognize the critical importance of using cutting edge technology to deliver advanced rig communications across our fleet. By integrating Starlink's high-speed, reliable internet connectivity, we enhance operational efficiency, safety, and cost-effectiveness – while also improving the quality of life for our customers and crews offshore. Seadrill has successfully integrated Starlink across the fleet, leveraging this innovative technology to drive operational excellence and sustainable growth. Our ISIT team works closely with SpaceX engineers as strategic partners, allowing us to tailor connectivity solutions specifically for offshore operations and delivering fleet-wide performance that goes beyond the industry's one-size-fits-all approach.

Starlink Connectivity vs. Traditional Offshore Connectivity

Metric	Starlink	Traditional Very Small Aperture Terminal (VSAT)
Latency	~20–40 milliseconds (ms)	> 600 ms
Download Speed	Up to 350 megabits per second (Mbps)	Up to 150 Mbps (extremely expensive & complex to deploy)
Coverage	Global with low-Earth satellites	Limited with regional gaps
Crew Experience	Seamless internet access for streaming, video calls, and daily connectivity needs	Poor video quality and delays
Real-Time Operations	Fully supported	Limited due to latency
Uptime	>99.8 %	Lower

Benefits to the Client

Enhanced Safety:

- Starlink provides high-speed, reliable internet connectivity, ensuring continuous communication between our offshore vessels, customers, suppliers, and onshore teams. If any emergency arises, immediate and reliable communication is crucial for coordinating response efforts, delivering timely updates, and ensuring that all personnel and customers are informed and safe.

Operational Efficiency:

- The high-speed internet provided by Starlink facilitates efficient operations and communication among team members, regardless of their location. This ensures that our crews can coordinate effectively, share vital information instantaneously, and resolve operational challenges more rapidly.

Reduced Environmental Impact:

- The implementation of Starlink supports the broader use of digital technologies on our vessels, encouraging sustainable practices like remote inspections and virtual training sessions. These practices help reduce the environmental impact associated with traditional, resource-intensive methods of operation.

Expanded Collaboration:

- Starlink enables true inter-functional collaboration by connecting offshore and onshore teams with high-speed internet. This seamless interaction fosters a holistic approach to rig operations, allowing teams to work together dynamically, share insights in real-time, and achieve operational excellence.

Improved Employee Well-being:

- The Starlink connectivity allows crew members to stay in touch with family and friends more easily, reducing feelings of isolation and enhancing overall morale. This improved connection to home life contributes to greater job satisfaction and mental well-being while offshore.

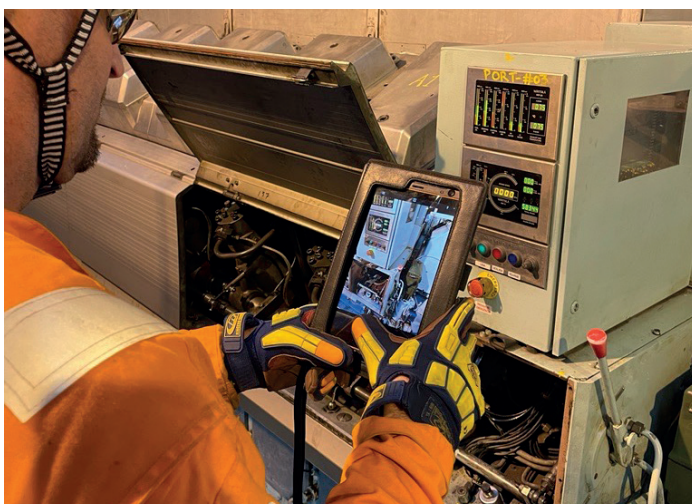
Abundant Data Capacity:

- With Starlink's high-speed satellite internet, we can offer our customers onboard unparalleled connectivity services that meet any operational requirement. Whether it's for crucial data transfers, real-time monitoring, or personal communication, our robust data capacity ensures uninterrupted service, thereby enhancing productivity and satisfaction.

Case Study: Starlink Service Revolutionizes Seadrill Vessel Operations

As a pilot, Seadrill integrated Starlink's satellite internet on the West Saturn drillship, which was operating in remote offshore environments with significant communication and connectivity challenges. The success of Starlink on the West Saturn exemplifies the technology's transformative impact on offshore drilling.

- **Enhanced Operational Efficiency:** High-speed connectivity boosted efficiency through real-time data and remote monitoring, raising communications uptime from 99.10% to 99.98% – adding 4 extra hours per rig each month.
- **Improved Safety Protocols:** Safety protocols improved through real-time video conferences and remote inspections, allowing swift responses to hazards, by implementing new technology around augmented reality and telepresence.
- **Cost Reduction:** Cost reductions included over \$500,000 saved annually in travel expenses, with decreased equipment downtime.
- **Crew Welfare:** A Seadrill Rig Manager noted the morale boost: “The crew is very happy to use Starlink to stay connected with family and friends – it really helps maintain a positive atmosphere on the rig.”
- **Fleet Readiness:** The West Saturn pilot proved the value of high-speed satellite connectivity, paving the way for a fleet-wide Starlink rollout and setting a new standard in offshore communications.



Starlink's high-speed Wi-Fi boosts the efficiency of tools like the Azenus digital inspection app, enabling real-time data sharing between offshore and onshore teams. This streamlines reporting, improves safety checks, and ensures our rigs operate at peak performance.



Starlink's high-speed Wi-Fi empowers the West Minerva, our real-time operations center, to connect offshore rigs with onshore teams, enhancing PLATO data analysis, remote monitoring, and decision-making for optimized efficiency and safety.



Seadrill is setting the standard in deepwater oil and gas drilling. With its modern fleet, experienced crews, and advanced technologies, Seadrill safely, efficiently and responsibly unlocks oil and gas resources for national, integrated, and independent oil companies.

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