DATA SHEET

Offshore Energy mPOWERED

FAST-TRACK DIGITALISATION WITH HIGH-PERFORMANCE, CLOUD-SCALE CONNECTIVITY

INDUSTRY PERSPECTIVE

A single oil rig generates terabytes of data daily. Yet only 1% of this data is actually used for operational decision making. Based on reports by Cisco and McKinsey Global Institute, offshore platforms are typically running at 77% of their production capacity today, indicating that the scope for efficiency gains and cost savings through the digitalisation of oil and gas operations is huge—if businesses can get their hands on the data.

Operating in some of the most remote locations on Earth, offshore energy companies face unique challenges in gathering real-time data that can unlock a competitive advantage. With facilities far beyond the reach of terrestrial networks, data transfer to onshore processing centres can be inefficient.

Through O3b mPOWER, our next-generation medium Earth orbit (MEO) communications system, SES delivers managed network services to even the most remote locations on Earth, enabling offshore energy businesses to capitalise on the benefits of digitalisation—now, and in the future.

SES | O3b mPOWER

According to World Economic Forum, digital transformation of the offshore energy sector has the potential to deliver benefits of approximately USD 640 billion for the wider society.

SERVICE DESCRIPTION

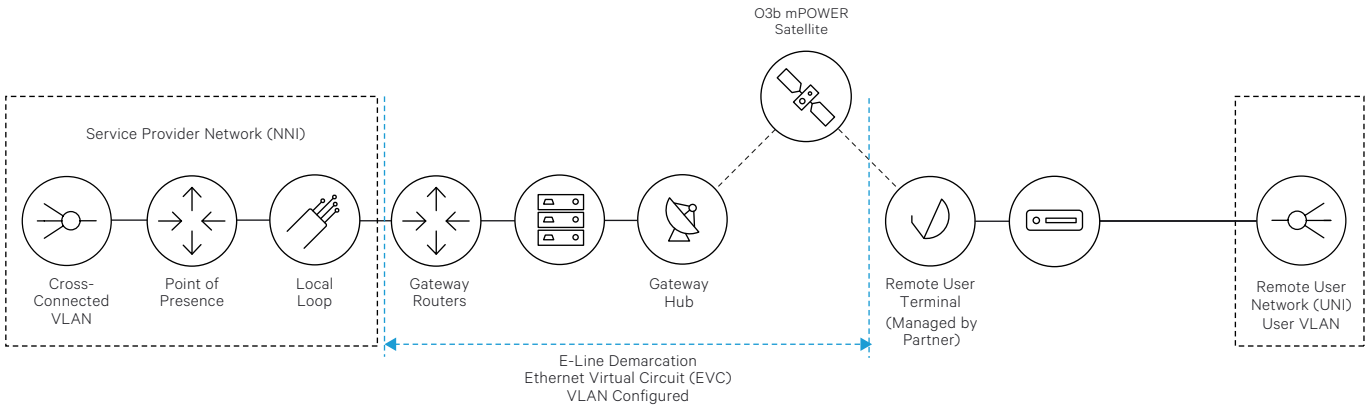
Offshore Energy mPOWERED harnesses the unmatched scale, unprecedented flexibility, and superior performance of the O3b mPOWER system to meet the connectivity needs of the oil and gas sector. It breaks down the barriers to digitalisation, seamlessly delivering high-performance connectivity, one hop away to offshore platforms, production and storage facilities, service vessels, and headquarters. With Offshore Energy mPOWERED, you can optimise operations and harness real-time data to build a competitive edge.

KEY FEATURES:

- **Future-proof scalability:** Leverage system-level scalability that no other satellite operator can match, ensuring your service keeps pace with future demand.
- **Superior performance:** Support your most critical latency-sensitive services and applications via guaranteed high throughput and proven low-latency performance, backed by a robust service level agreement (SLA).
- **Unprecedented flexibility:** Simply allocate satellite capacity exactly where and when it's needed on a per site basis. Route traffic with unmatched efficiency to your main operational centres, whether it's your company headquarters, another offshore site, or a cloud data centre.
- **Cloud ready:** As a value-added service for Offshore Energy mPOWERED, SES can connect offshore sites to top-tier cloud service providers over a private, dedicated, high-performance connection, enabling optimisation of critical workloads and applications.
- **Commercially proven solutions**: Deploy next-generation satellite-enabled services built on more than seven years of market-tested MEO solutions serving the offshore energy sector.

With Offshore Energy mPOWERED, we deliver a transparent service experience with unrivalled support at every step—from ensuring expert network deployment to maintaining optimal, predictable performance throughout the service lifecycle.

EXPAND YOUR NETWORK TO REMOTE FACILITIES WITH OFFSHORE ENERGY mPOWERED



TECHNICAL SPECIFICATIONS

Offshore Energy mPOWERED is available in two base packages—Pro and Premium—with a range of value-added service options to ensure the service features and capabilities match your needs.

	PRO	PREMIUM
Connectivity transport service	Layer 2 Ethernet Virtual Circuit	Layer 2 Ethernet Virtual Circuit
Capacity packages[1]	CIR-based, 50Mbps minimum per site (FWD+RTN)	CIR-based, 50Mbps minimum per site (FWD+RTN)

	Min.	Max.
FWD	25	300
RTN	25	300

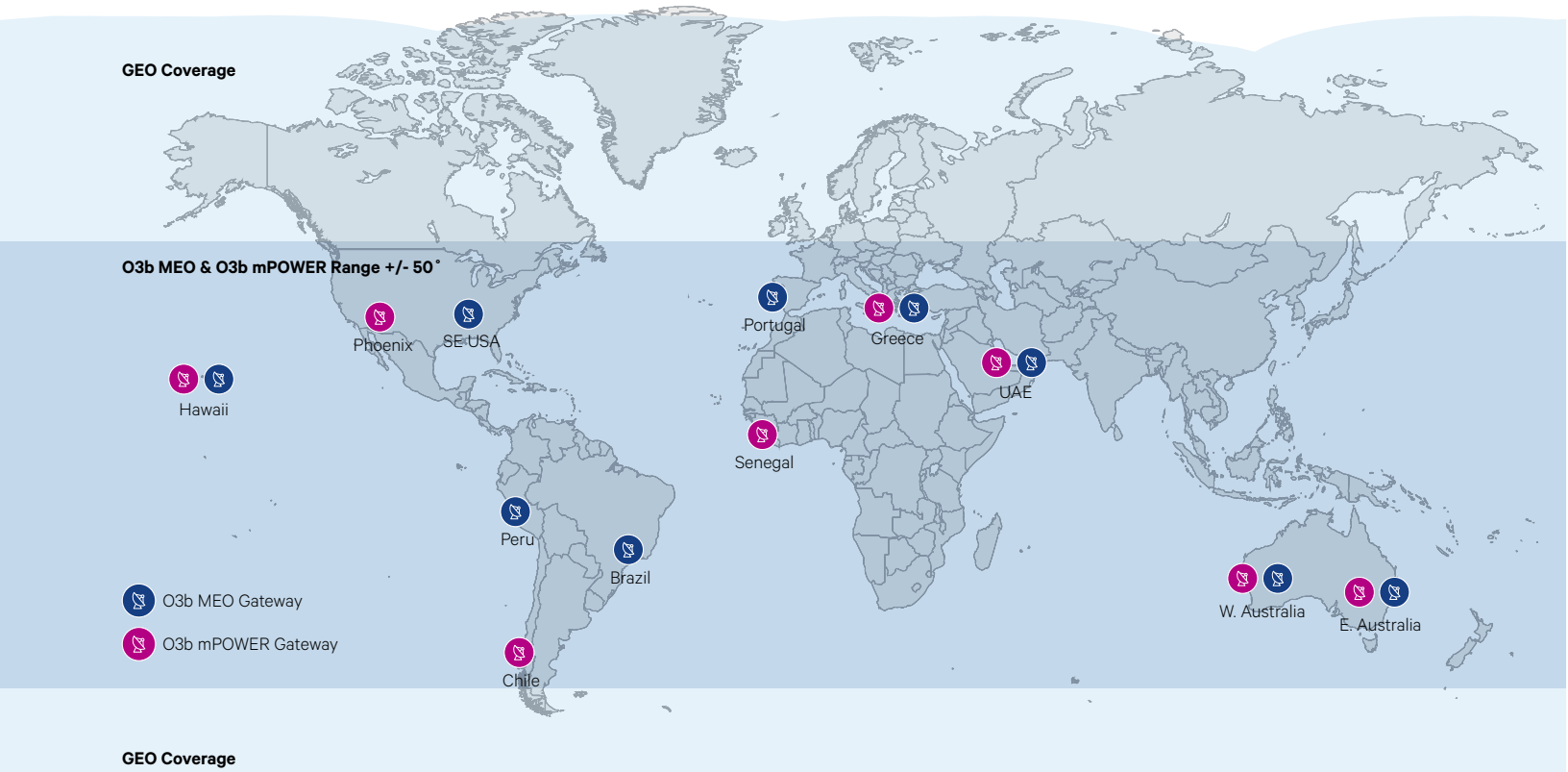
	Min.	Max.
FWD	25	1500
RTN	25	750

Link agility—flexibility	Ability to choose symmetrical or asymmetrical link ratios	Ability to choose symmetrical or asymmetrical link ratios
Link agility—size[2]	Ability to change the CIR configuration twice a year	Ability to change the CIR configuration once a month
Portability	Ability to port links and capacity across the customer's network, once a year	Ability to port links and capacity across the customer's network, once a month
Service fulfilment and assurance	Hybrid managed service, with 24x7 link monitoring capability	Hybrid managed service, with 24x7 link monitoring capability
Billing (frequency, basis)	Monthly, CIR	Monthly, CIR
SLA scope	Layer 2	Layer 2
Network uptime SLA	< 99.5%	< 99.5%
Round-trip satellite latency	< 150ms	< 150ms
Customer interface—remote	1GigE	1GigE
Customer portal	Portal view: Usage (Mbps), uptime, and latency	Portal view: Usage (Mbps), uptime, and latency
SLA demarcation	SES hand-off point to 1cm above the customer antenna	SES hand-off point to 1cm above the customer antenna
Terminal modem	Gilat Aquarius-e	Gilat Aquarius-e
Antenna manufacturer	Intellian	Intellian

[1] Should not be lesser than the initially contracted CIR

[2] Increase in CIR is subject to availability

GLOBAL COVERAGE MAP



DRIVE DIGITAL TRANSFORMATION WITH OFFSHORE ENERGY mPOWERED

Game-changing digital technologies have the potential to transform the offshore energy sector, unlocking higher efficiencies and lower costs than ever before. To make next-generation capabilities a reality, companies need high-performance network services that can connect entire operations—even in the most remote locations.

With Offshore Energy mPOWERED, SES delivers reliable low-latency, high-performance connectivity designed to support offshore digitalisation, giving your customers the power to reimagine their success story.

Learn more about Offshore Energy mPOWERED.

For more information, please reach out to us at getconnected@ses.com

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For more information about SES, visit www.ses.com

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