



OFFSHORE ENERGY mPOWERED

Fast-track digitalisation with high-performance, cloud-scale connectivity

Offshore platforms are typically running at 77% of their production capacity today

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.



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.

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.

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**

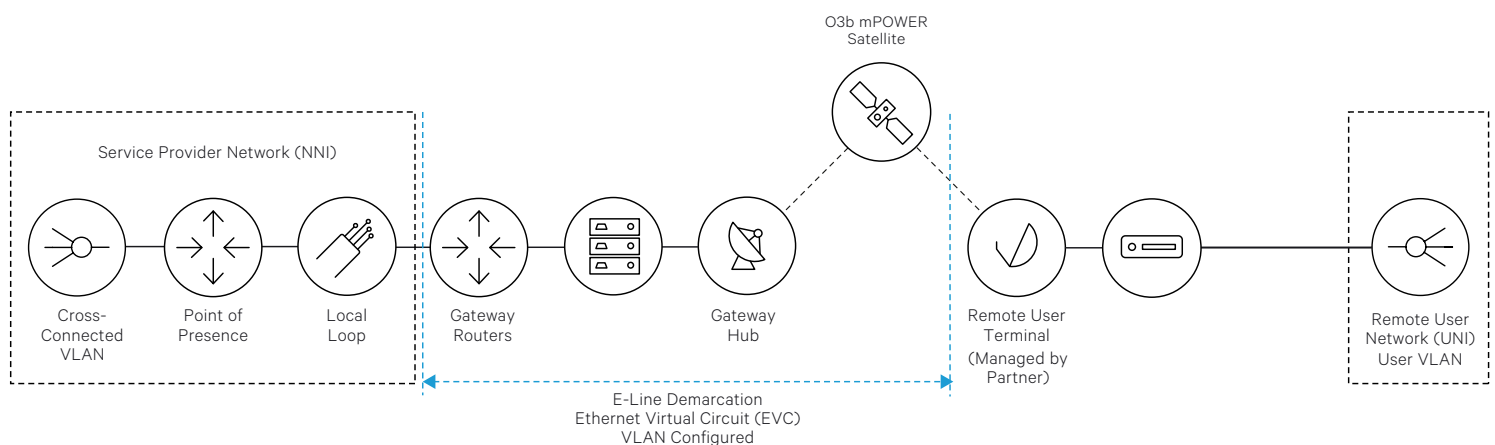
As a value-added service for Offshore Energy mPOWERED, SES can connect offshore sites to top-tier cloud service providers over a private, dedicated, high-performance connection, enabling optimisation of critical workloads and applications.

- **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 packages¹

50Mbps minimum per site (FWD+RTN)

50Mbps minimum per site (FWD+RTN)

	Min.	Max.
FWD	25	300
RTN	25	300

	Min.	Max.
FWD	25	1000
RTN	25	500

Link agility—flexibility

Ability to choose symmetrical or asymmetrical link ratios

Ability to choose symmetrical or asymmetrical link ratios

Link agility—size²

Ability to change the CIR configuration every quarter

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

Antenna size

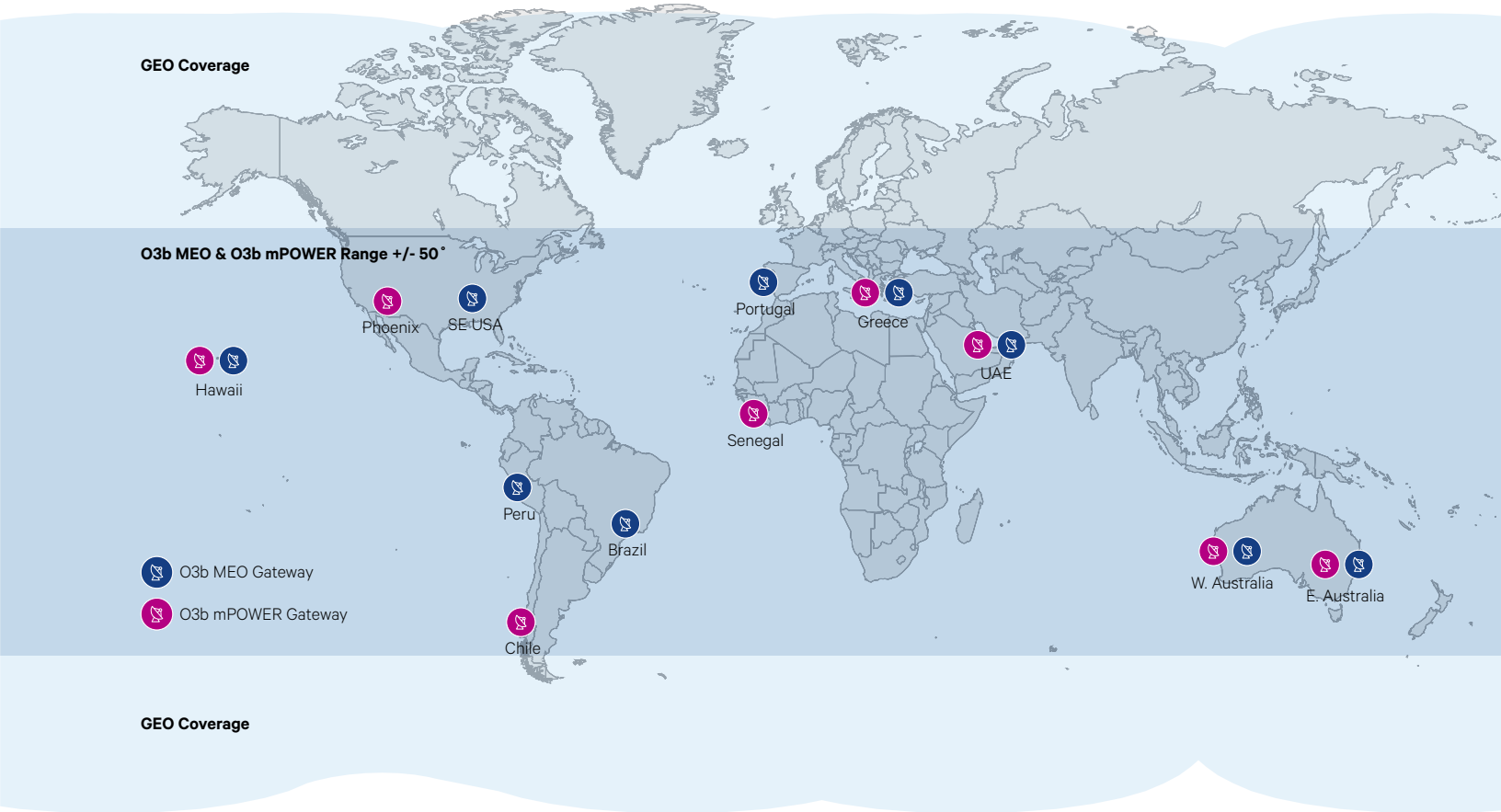
2 x 1.3m 20W
2 x 2.4m 40W

2 x 1.3m 20W
2 x 2.4m 40W

¹Should not be lesser than the initially contracted CIR

²Increase 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](#).



Learn more about our full portfolio of services and solutions at [ses.com](#)

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