



## 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. Reports by Cisco and McKinsey Global Institute find that offshore platforms today are typically running at 77% of their production capacity, 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 anywhere, enabling offshore energy businesses to capitalize 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 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-based network can match. From 25Mbps to 1.5Gbps, it ensures your service keeps pace with demand, today and tomorrow.
- **Investment protection:** a single O3b mPOWER ground system can support up to 1.8Gbps, enabling upgrades beyond Offshore Energy mPOWERED service capacity.
- **Superior performance:** Support your most critical latency-sensitive services and applications via guaranteed uncontended high throughput, with return links as high as 500Mbps and consistent low-latency performance.
- **Unprecedented flexibility:** Simply allocate satellite capacity exactly where and when it's needed on a per-site basis. Route traffic with unmatched efficiency

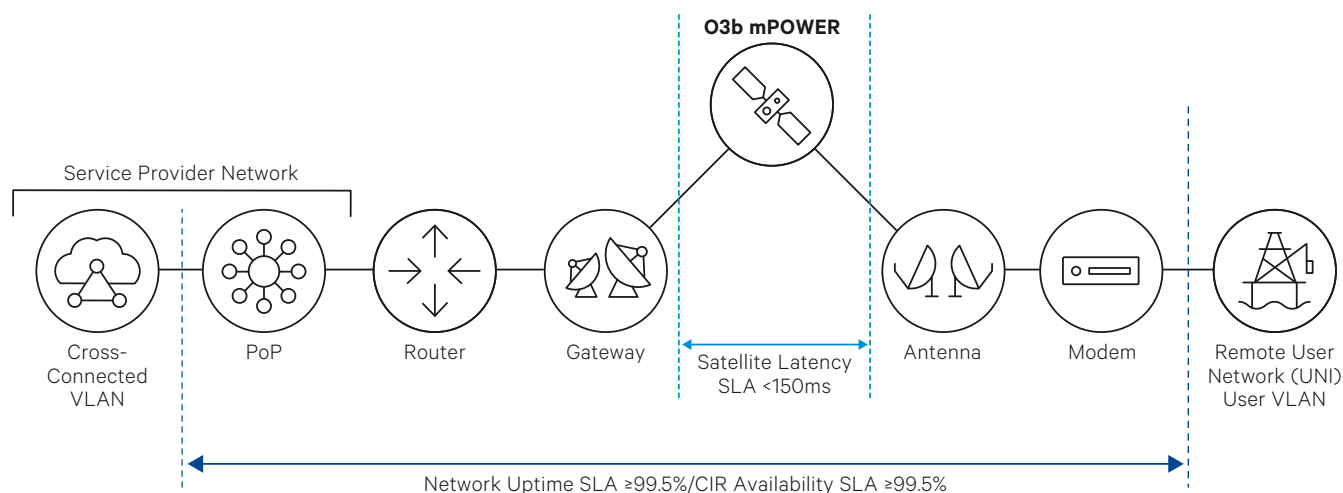
to your main operational centres, whether it's your company headquarters, another offshore site, or a cloud data centre.

- **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.

### Constellation

### Capacity packages

### Link agility

### Portability

### Customer-defined PoP

### Network uptime SLA

### CIR availability SLA

### Satellite latency SLA

### Customer portal

### Available terminal bundles

#### Pro

O3b mPOWER

Minimum Service Data Rate (SDR) per site of 50Mbps (FWD+RTN):

	Min.	Max.
FWD	25	300
RTN	25	300

Ability to choose symmetrical or asymmetrical link ratios twice a year

Ability to port links and capacity across the customer's network, once every quarter

Select any point-of-presence (PoP) location for traffic handoff, even those not in SES's network or direct to the cloud.

≥ 99.5%

≥ 99.5%

< 150ms

Portal view: Usage (Mbps), uptime, and latency

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

#### Premium

O3b mPOWER

Minimum Service Data Rate (SDR) per site of 50Mbps (FWD+RTN):

	Min.	Max.
FWD	25	1,000
RTN	25	500

Ability to choose symmetrical or asymmetrical once a month

Ability to port links and capacity across the customer's network, once a month

Select any point-of-presence (PoP) location for traffic handoff, even those not in SES's network or direct to the cloud.

≥ 99.5%

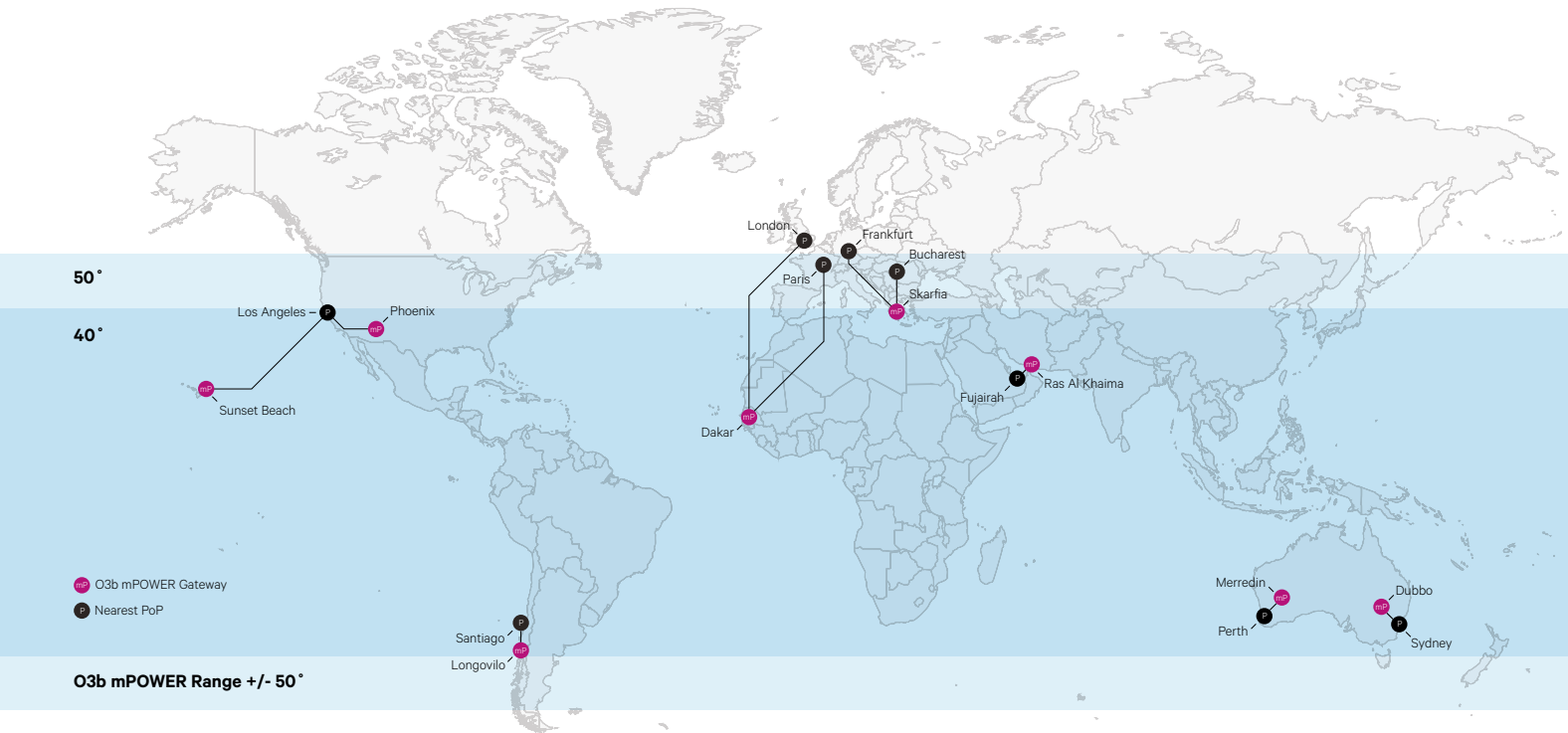
≥ 99.5%

< 150ms

Portal view: Usage (Mbps), uptime, and latency

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

## 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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