ONSHORE ENERGY & MINING mPOWERED

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Enabling digital transformation with ultra-scalable managed services

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INDUSTRY PERSPECTIVE

The consulting firm Kearney estimates that digitalization could boost onshore energy and mining industry profits by up to 45% within just two to three years. According to Accenture, 82% of mining company executives expect to increase investment in digital technology to address regulatory pressures, falling commodity prices and rising production costs. But these efforts face a critical hurdle: establishing the broadband access needed to support offsite processing and analysis.

According to the World Economic Forum and Accenture, digitalisation will generate a value of more than USD 425 billion by 2025. Consequently, the industry needs a network partner capable of supporting this transformation.

With O3b mPOWER, SES can build the connectivity service that will support your digital transformation and deliver it to the most remote locations, helping open a new chapter of efficiency and productivity for your business.
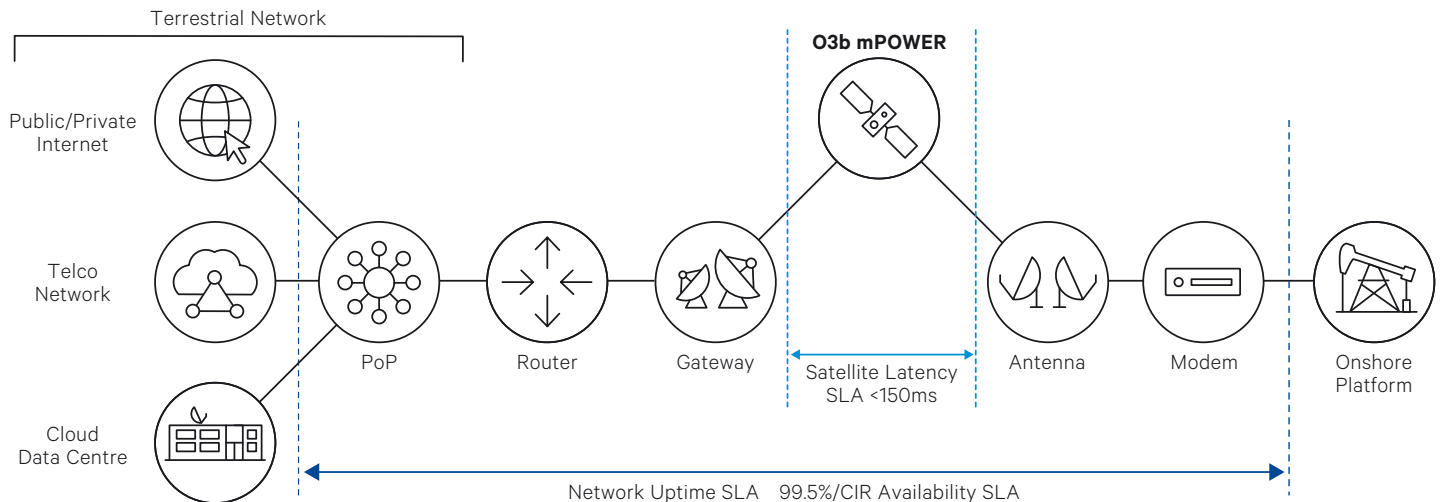
SERVICE DESCRIPTION

Onshore Energy & Mining mPOWERED is a fully managed service that delivers unrivalled satellite-based connectivity across the energy industry, even in the most remote locations. With predictable latency as low as 150ms, uncontended high throughput of up to 1,500Mbps on the forward and 750Mbps on the return, and unmatched flexibility to quickly increase capacity or modify forward and return links, Onshore Energy & Mining mPOWERED provides the performance you need to process information generated by thousands of sensors, supporting your digitalisation journey and your path to higher efficiency operations.

With Onshore Energy & Mining mPOWERED, we deliver a transparent service experience to support your operations worldwide. Our ground terminals can scale beyond 2,250Mbps of combined forward and return throughput and are compatible with higher throughput O3b mPOWER services—protecting your investment for the foreseeable future.

Connecting even your most remote sites with high-throughput and low-latency broadband
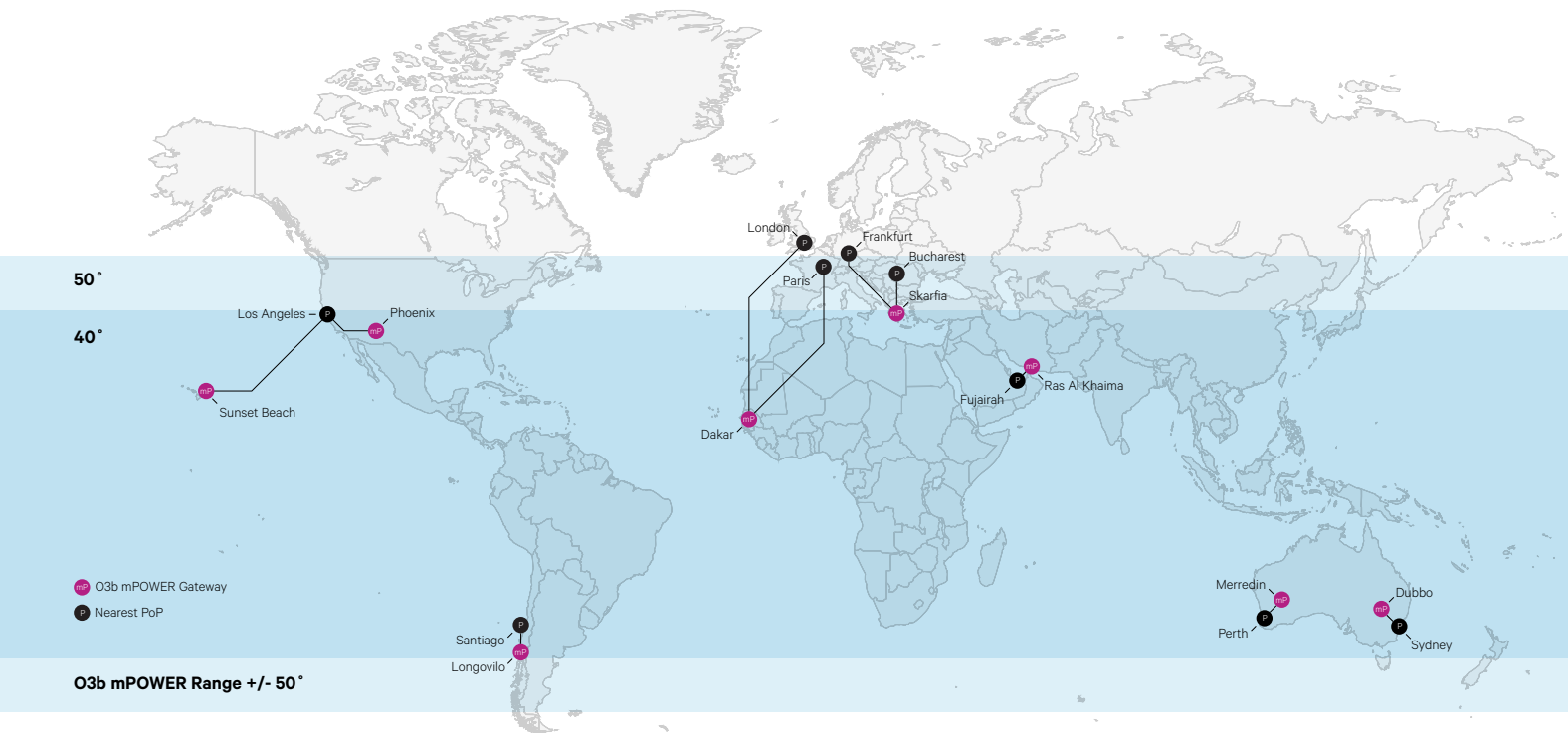

O3b mPOWER

TECHNICAL SPECIFICATIONS

Onshore Energy & Mining mPOWERED is a low-latency, point-to-point Layer 2 Ethernet service available in a single package, with additional value-added features that help you build the connectivity your business needs.

	Pro			Premium	
Constellation	O3b mPOWER			O3b mPOWER	
Capacity packages	Minimum Service Data Rate (SDR) per site of 50Mbps (FWD+RTN):			Minimum Service Data Rate (SDR) per site of 50Mbps (FWD+RTN):	
		Min.	Max.	Min. Max.	
	FWD	25	300	25	1,500
	RTN	25	300	25	750
Link agility	Ability to choose and change symmetrical or asymmetrical link ratios configuration twice a year for Pro and once a month for Premium				
Volume	On roadmap				
Portability	Port links and capacity across the customer's network within a certain region, twice a year up to once a month as an optional feature, exclusively on Premium				
Flex handoff	Customers can select any point-of-presence (PoP) location for traffic handoff, even those not in SES's network or direct to major cloud providers.				
Network uptime SLA	≥ 99.5%				
Satellite latency SLA	< 150ms				
Customer portal	Portal view: Usage (Mbps), uptime, and satellite latency				
Available terminal bundles	2 x 1.3m 20W 2 x 2.4m 40W				

O3b **mPOWER**

GLOBAL COVERAGE MAP

50°

40°

London

Frankfurt

Bucharest

Paris

Skarfia

Los Angeles —

Phoenix

mP

Sunset Beach

Fujairah

Ras Al Khaima

Dakar

mP O3b mPOWER Gateway

P Nearest PoP

Merredin

Dubbo

Perth

Sydney

Santiago

Longovilo

O3b mPOWER Range +/- 50°

REDEFINE YOUR BUSINESS EFFICIENCY WITH ONSHORE ENERGY & MINING mPOWERED

Make digital transformation a successful venture—even in the hardest-to-reach locations. With unrivalled high-throughput, low-latency and unmatched flexibility, Onshore Energy & Mining mPOWERED's performance allows you to reimagine operational efficiency across all your remote sites.

Learn how Onshore Energy & Mining mPOWERED delivers the broadband reliability and scalability your operations need—today and in the future.

Learn more about our full portfolio of services and solutions at **ses.com**.