SES⌃

ONSHORE ENERGY & MINING mPOWERED

Enabling digital transformation with ultra-scalable managed services

45%

of mining company executives expect to increase investment

INDUSTRY PERSPECTIVE

The consulting firm Kearney estimates that digitalising the onshore energy and mining industries can boost profits by up to 45% within a span of two to three years. According to Accenture, 82% of mining company executives expect to increase investment in digital technology to address regulatory pressures, lower commodity prices, and rising production costs. Yet gaining the required broadband access to support offsite processing and analysis remains a challenge.

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 your digital transformation requires and deliver it to the most remote locations, supporting a new chapter of efficiency and productivity for your business.
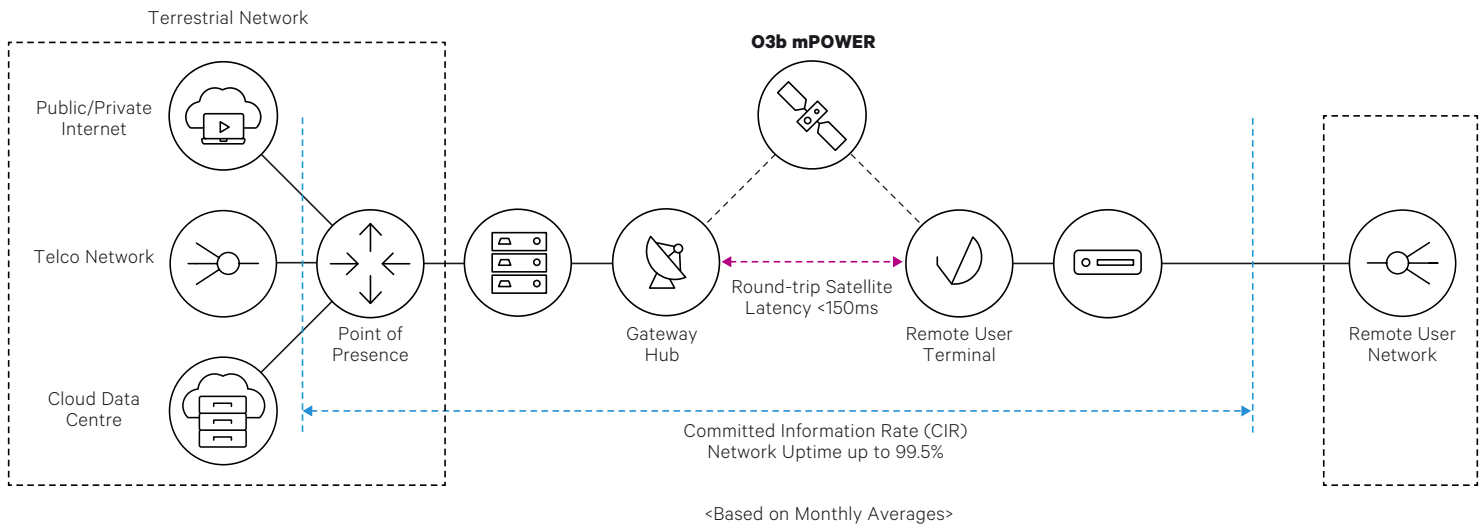
O3b mPOWER

SERVICE DESCRIPTION

Onshore Energy & Mining mPOWERED is a fully managed service that delivers low-latency performance, guaranteed high throughput, and unrivalled flexibility via SES's O3b mPOWER system. With easily configurable, agile links capable of handling up to 300Mbps on both forward and return paths, it provides the reliability and scalability required to process information generated by thousands of sensors, supporting your digitalisation journey—wherever you operate.

With Onshore Energy & Mining 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.

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

Terrestrial Network

Public/Private Internet

Telco Network

Cloud Data Centre

Point of Presence

Gateway Hub

O3b mPOWER

Round-trip Satellite Latency <150ms

Remote User Terminal

Committed Information Rate (CIR) Network Uptime up to 99.5%

Remote User Network

<Based on Monthly Averages>

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.
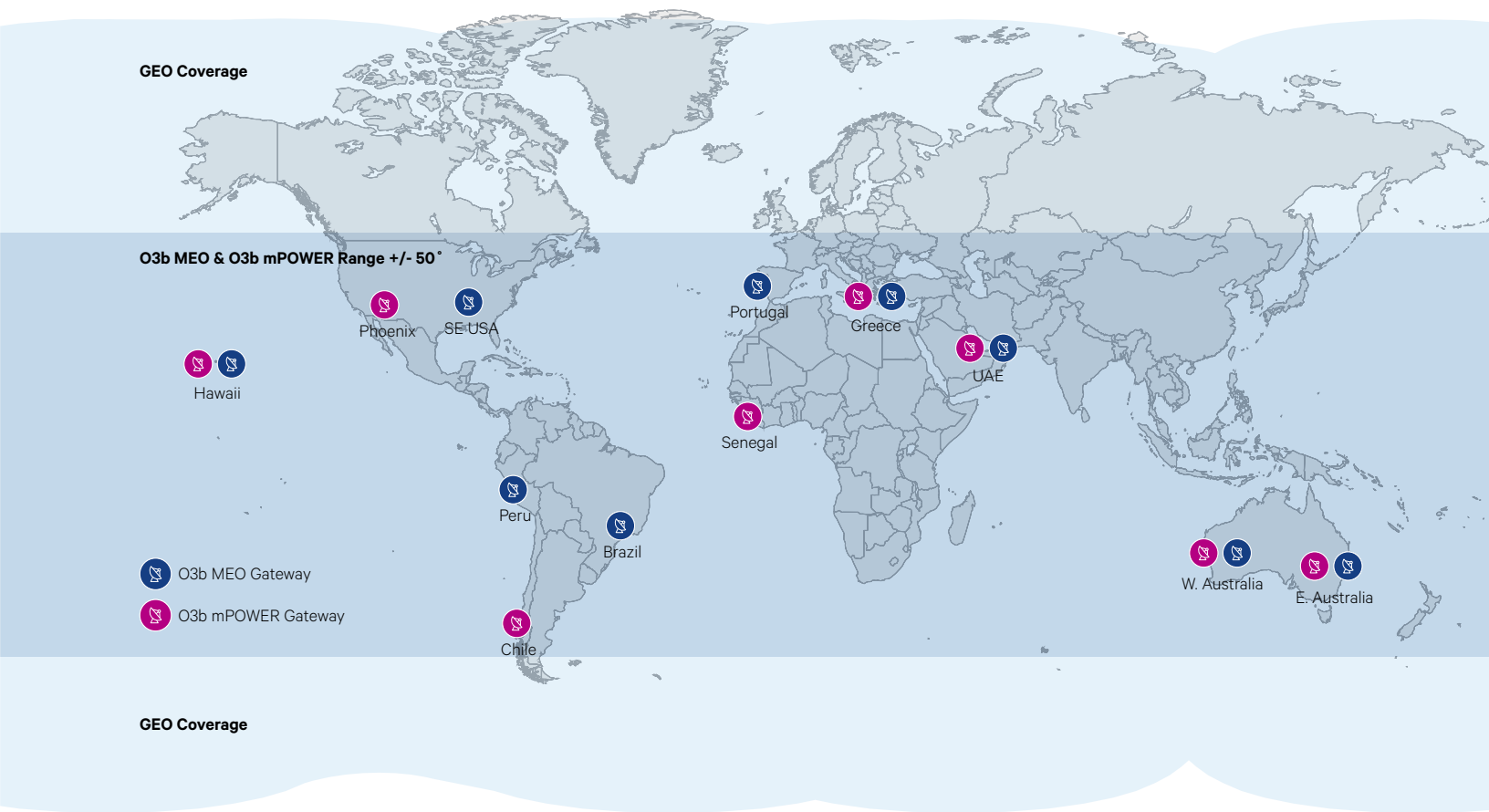
Connectivity transport service	Layer 2 Ethernet P2P E-Line service		
Capacity packages[1]	50Mbps minimum per site (FWD+RTN)		
		Min.	**Max.**
	FWD	25	300
	RTN	25	300
Network uptime SLA	< 99.5%		
Round-trip satellite latency SLA	< 150ms		
Customer interface (remote)	1GigE		
Customer portal	Portal view: Usage (Mbps), uptime, and latency		
Terminal modem	4 x 10/100/1000 BaseT		
Antenna size	2 x 2.4m 40W Intellian 240 2 x 1.3m 20W Intellian mP130		

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

A variety of value-added SERVICES AND FEATURES can be added to OnshoreX Energy & Mining mPOWERED:

- Dedicated Cloud Connectivity
  SES Cloud Direct provides private, dedicated connectivity to major cloud service providers from any customer endpoint.

- Customer-defined Point of Presence (PoP)
  Ability to select any PoP location for traffic handoff, even those not in SES's network.

- Link Agility
  Ability to modify the overall link size or assigned bandwidth between forward and return paths, once per quarter.

- Link portability
  Ability to flexibly re-allocate capacity across network sites, up to once per quarter.

O3b **mPOWER**

GLOBAL COVERAGE MAP

GEO Coverage

O3b MEO & O3b mPOWER Range +/- 50˚

Portugal
Greece
UAE
Senegal
Phoenix
SE USA
Hawaii
Peru
Brazil
W. Australia
E. Australia
Chile

O3b MEO Gateway
O3b mPOWER Gateway

GEO Coverage

REDEFINE YOUR BUSINESS EFFICIENCY WITH ONSHORE ENERGY & MINING mPOWERED

Make digital transformation a succesful venture—even in the hardest to reach locations on Earth. With unrivalled high-throughput, low-latency performance, and unmatched flexibility, Onshore Energy & Mining mPOWERED 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**