



## SEA-ME-WE 4 Enables Global Digitalization with Enhanced Connectivity Powered by Ciena

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*GeoMesh Extreme doubles capacity for the SEA-ME-WE 4 cable on the congested Asia-to-Europe route*

HANOVER, Md.--(BUSINESS WIRE)--Mar. 11, 2024-- To support growing demand for more bandwidth across the Asia-to-Europe route, [SEA-ME-WE 4](#) (South East Asia – Middle East – Western Europe 4) recently completed an upgrade to its submarine cable system. Powered by [Ciena's](#) (NYSE: CIEN) [GeoMesh Extreme](#) submarine network solution, the upgrade enables a capacity increase from 65Tb/s to 122Tb/s on the SEA-ME-WE 4 cable system.

"Ciena's cutting-edge technology is helping us in optimizing the resources of the SEA-ME-WE 4 cable, thereby enhancing its capabilities to address evolving connectivity demands through enhancement in network capacity, flexibility, and durability. This upgrade holds particular significance given the pivotal role of the SEA-ME-WE 4 cable system in driving digitalization efforts across the diverse regions where the system is passing through," said Sidheequ Machinal, Management Committee Chairman, SEA-ME-WE 4 consortium.

With GeoMesh Extreme, leveraging Ciena's [6500 Packet-Optical platform](#), SEA-ME-WE 4 can maintain pace with voracious global demand for bandwidth, protect terabits of traffic, and ensure optimal network availability. Additionally, Ciena's [WaveLogic 5 Extreme](#) coherent optics help significantly lower costs by increasing the capacity per wave up to 450Gb/s. SEA-ME-WE 4 is also utilizing Ciena's [Navigator Network Control Suite](#) for real-time visibility into and control of network performance.

"The Europe-to-Asia route, where SEA-ME-WE 4 is situated, is experiencing a major digitalization push, resulting in extreme capacity demands. With Ciena's field-proven expertise in building critical submarine network infrastructure, we're helping SEA-ME-WE 4 address rising capacity demands by making the switch to network architectures that adapt to leverage intelligence, scalability, and programmability," said Thomas Soerensen, Vice President, Global Submarine Solutions, Ciena.

Operated by a consortium of 16 telecom operators, SEA-ME-WE 4 is an approximately 18,800 km submarine cable connecting Singapore, Malaysia, Thailand, Bangladesh, India, Sri Lanka, Pakistan, United Arab Emirates, Saudi Arabia, Egypt, Italy, Tunisia, Algeria, and France.

### About Ciena

Ciena (NYSE: CIEN) is a global leader in networking systems, services, and software. We build the most adaptive networks in the industry, enabling customers to anticipate and meet ever-increasing digital demands. For three-plus decades, Ciena has brought our humanity to our relentless pursuit of innovation. Prioritizing collaborative relationships with our customers, partners, and communities, we create flexible, open, and sustainable networks that better serve all users—today and into the future. For updates on Ciena, follow us on [LinkedIn](#), [Twitter](#), the [Ciena Insights blog](#), or visit [www.ciena.com](http://www.ciena.com).

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### Press Contact:

Chua Wei Wei  
Ciena Corporation  
+65 9833 2654  
[pr@ciena.com](mailto:pr@ciena.com)

### Investor Contact:

Gregg Lampf  
Ciena Corporation  
+1 (410) 694-5700  
[ir@ciena.com](mailto:ir@ciena.com)

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