

## PRESS RELEASE

### Telxius offers managed spectrum on Dunant and Marea powered by Ciena

**Madrid, April 7th, 2021.** [Telxius](#), the leading neutral telecommunications infrastructure operator, has announced today the company will be collaborating with [Ciena](#) a networking systems, services and software company, to power two of the most modern transatlantic submarine cables, [Marea](#) and [Dunant](#). With [Ciena's Spectrum Sharing](#) submarine network infrastructure, Telxius is able to provide highly flexible managed spectrum service, offering customers tailored virtual fiber pairs suited to their needs.

Marea and Dunant combined feature one of the lowest latency and highest capacity diverse routes globally. Dunant has recently been added to the Telxius portfolio to complete an [unmatched transatlantic proposition](#) in combination with Marea. Both cables will allow customers to benefit from Telxius' extensive footprint, network capabilities and range of services. Directly connecting Ashburn, Richmond and Virginia Beach in the US to Paris, Madrid and Derio (Bilbao) in Europe, these two systems provide direct access to areas with the largest concentration of data centers in the world and key connectivity hubs.

Telxius will be using Ciena's [GeoMesh Extreme](#) submarine networking solution so as to better address the global connectivity needs of content providers, global enterprise and third-party operators. Important elements of the solution include Ciena's 6500 Reconfigurable Line System ("RLS") integrated C&L-band for scalable terrestrial backhaul, and [WaveLogic 5 Extreme](#) coherent optics that offer new levels of capacity and fiber efficiencies on Marea and Dunant.

*"Telxius is responding to the ever-increasing demand for low latency, high capacity transatlantic connectivity through ongoing network infrastructure expansion", says Carlos Dasi, CTO of Telxius Cable. "Our scalable, flexible managed spectrum solution,*

*powered by Ciena's Spectrum Sharing network infrastructure, means that we are able to meet the diverse needs of our global customers."*

*"Ciena's innovative GeoMesh Extreme solution allows Telxius to connect the US and Europe in the most efficient way by reducing latency and go-to-market time so that Telxius can support the delivery of bandwidth-intensive services and applications like streaming video, virtual and augmented reality, and cloud-based services essential to our digital lifestyles," says Rodolfo Vigliano, Senior Managing Director of Sales at Ciena. "Ciena also supports the backhuls between Telxius' Derio Communications Hub and the landing station of Marea in Sopelana and the POPs in Paris and Madrid, substantially increasing transatlantic connectivity."*

## **About Telxius**

Telxius is a leading neutral telecommunications infrastructure operator with an extensive tower and submarine cable portfolio. It has more than 34,000 sites, including the German deal announced in June 2020 and the commitment of new deployments in Germany and Brazil. The sites are located in Europe and Latin America: more than 75% in Spain and Germany, and the rest in Brazil, Peru, Chile and Argentina. Moreover, Telxius operates an international high-capacity fiber optic submarine cable network, to reach more than 90,000 km in 2021, with two of the largest capacity systems in the world, MAREA and BRUSA. Telxius provides flexible solutions, contributes to creating collaboration agreements in the sector and facilitates global communications to businesses. For more information please visit [www.telxius.com](http://www.telxius.com).

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## **About Ciena**

Ciena (NYSE: CIEN) is a networking systems, services and software company. We provide solutions that help our customers create the Adaptive Network™ in response to the constantly changing demands of their end-users. By delivering best-in-class networking technology through high-touch consultative relationships, we build the world's most agile networks with automation, openness and scale. For updates on

Ciena, follow us on Twitter [@Ciena](#), [LinkedIn](#), the [Ciena Insights blog](#), or visit [www.ciena.com](http://www.ciena.com).

## **Note to Ciena Investors**

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