

Ciena Adaptive Network Powers Southern Cross Cables Continual Expansion

Deployment of Ciena's GeoMesh Extreme is the first of its kind globally

Sydney, Australia and HANOVER, Md. –November 13, 2018 – To address skyrocketing customer demands for connectivity on the Southern Cross network, fueled by cloud, HD video, internet of things (IoT) and more, Southern Cross Cables has significantly enhanced the scale, programmability and intelligence of its network by deploying Ciena's (NYSE: CIEN) [WaveLogic Ai](#) tunable coherent optics and the 6500 [T-series](#). With these solutions from Ciena, Southern Cross' network can quickly adapt and respond, in real-time to changing and unexpected user demands.

Southern Cross Cables' deployment of Ciena's [GeoMesh Extreme](#) solution is the first subsea deployment of WaveLogic Ai over compensated cable and includes the first deployment of 200Gbps wavelengths between Sydney and Auckland. The industry-leading functionality of Ciena's WaveLogic Ai allows Southern Cross to monitor links in real-time, so it can determine the ideal capacity for each channel across any path. WaveLogic Ai also provides massive scalability by allowing Southern Cross to add an additional 6.4Tbps of wavelength expansion across its subsea and terrestrial networks.

Southern Cross' existing programmable infrastructure is further enhanced with the introduction of the Ciena 6500 T-Series platform that scales to 24Tbps OTN switching capacity for efficient traffic grooming and includes Ciena's advanced multi-layer control plane software to maximize network resiliency.

In addition, Southern Cross' utilisation of Ciena's [Blue Planet Manage, Control, and Plan \(MCP\)](#) software for improved network visibility through real-time software control, along with big data analytics and advanced network functionality through the [Blue Planet Network Health Predictor, Performance Portal](#) and Blue Planet [V-WAN](#) services underpin its position as one of the most flexible, and customer responsive submarine cable providers in the world.

“Our customers' needs are changing almost daily as they move towards the cloud and larger web-scale data flows, particularly between continents,” said Southern Cross Cable Network Director of Marketing and Sales, Craige Sloots.

“Ciena's technology not only boosts the capacity of our Southern Cross undersea cable, but also adds a level of intelligence and service capability that is unmatched in submarine cable networks anywhere in the world. Southern Cross' success is driven by our focus on flexibility and service, and our partnership with Ciena allows us to adapt the network as required to proactively manage and grow with changing user demands.”

The company is already using its multi-path network and Ciena upgrades to minimise the impact of network incidents and planned work on Southern Cross' customers by proactively switching customers to other paths or ramping capacity up or down as required, reducing disruption and keeping customers connected. This capability is simply unachievable on simpler, single path solutions. Ciena's technology has now added a combined 39Tbps of wavelength capacity across the various segments of the network during its history of working with Southern Cross.

“Southern Cross Cables is setting a new industry benchmark by creating a more intelligent and programmable network that can adapt and quickly respond to dynamic customer demands,” said Rick Seeto, Ciena’s Vice President and General Manager, Asia/Pacific and Japan, Ciena.

About Southern Cross

Southern Cross Cable Network provides fast, direct, and secure international bandwidth from Australia, New Zealand, Fiji and Hawaii to the heart of the Internet in the USA. The Southern Cross Cable Network comprises two submarine communications cables which were first commissioned in November 2000 and January 2001 at a cost of USD1.3 billion. They provide Australasian broadband users with international connections to seven key locations on the US West coast where global Internet hubs are located.

The Southern Cross NEXT project will be a third high capacity express route, providing data-centre connectivity between Sydney, Auckland, and Los Angeles, along with enhanced Pacific Island capability and is currently on target for completion in 2020. Southern Cross Cable Network has offices in Bermuda, Sydney, Auckland and Wellington. For more information visit Southern Cross at: <https://www.southerncrosscables.com/>.

The Southern Cross Cable Network is owned by Spark NZ (50%), Singtel-Optus (40%) and Verizon Business (10%).

About Ciena

Ciena (NYSE: CIEN) is a network strategy and technology company. We translate best-in-class technology into value through a high-touch, consultative business model – with a relentless drive to create exceptional experiences measured by outcomes. For updates on Ciena, follow us on Twitter @Ciena, LinkedIn, the [Ciena Insights blog](#), or visit www.ciena.com.

Note to Ciena Investors

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