



## Locaweb Relies on CommScope and Policom for High Performance Network Infrastructure for Sao Paulo Data Centers

**SYSTIMAX® Solutions deliver reliability and performance in critical data center connections**

**Summary:** Leading Brazilian IT services provider upgrades with GigaSPEED® and LazrSPEED® cabling solutions that can be trusted to support cloud computing. End-to-end connectivity, including InstaPATCH® and PATCHMAX® patching solutions, provides rock solid foundations for fast expanding and diversifying services.

Locaweb, a pioneer and leader in IT hosted services in Brazil, has built a user base of more than 200.000 customers since it was founded in 1998. It also hosts 500.000 domains and works with more than 14.000 developers.

To support its fast growing data traffic, Locaweb has embarked on an \$35 million infrastructure investment program. As part of this project, it has deployed 600 new Category 6A network points in its Juscelino Kubitschek data center in Sao Paulo to serve cloud computing applications. At the same time, it installed 1,200 Category 6 points in the first phase of its new Itapirauna data center, also in Sao Paulo.

For the Category 6A/Class E<sub>A</sub> connections, the company chose the GigaSPEED X10D Solution from CommScope. This comfortably exceeds the full specifications of the standard for UTP (Unshielded Twisted Pair) infrastructure to support data transmission at 10Gb/s.

To support its Category 6/Class E connections, Locaweb selected the GigaSPEED XL solution. This exceeds performance specifications of the standard for 1Gb/s connections over UTP cabling even under adverse conditions.

The Policom Group, a CommScope distribution partner based in Sao Paulo, was selected to deliver the solutions. The company, which is a national leader in its field, also supplied LaserSPEED 300 fiber to support 40G connections in the datacenters. This solution delivers high performance over multimode fiber, avoiding the need for expensive and complex electronics.

To connect its fiber cabling, Locaweb uses the InstaPATCH Plus Solution. This high-density, factory terminated and tested, modular fiber connectivity solution allows installers to connect system components simply and quickly. Up to 96 fibers can be connected and ready for service in the time it takes to make a single fiber connection using traditional methods. For its GigaSPEED copper connections, Locaweb chose the PATCHMAX patching solution.

The new CommScope network infrastructure is now supporting Locaweb services to both individuals and corporations. It handles all three of Locaweb's business lines, Internet Services, Data Center Services and Communications.

Locaweb's Internet arm offers hosting, domain registration, e-mail, e-commerce, audio and video streaming and other services. Its data centers offer cloud computing enterprise solutions and dedicated servers along with specialized IT outsourcing. This area already has more than 3,500 customers including companies of all sizes.

Locaweb's Communications arm is devoted to VoIP telephony via virtual PABX services and Virtual Call Centers. It has more than 3.000 installed extensions at present.

According to Felipe Manuel Caballero Amorin, Locaweb's Data Center Manager, the company's technology has improved as its business grows. Even during failures of the national power grid, the company's two data centers kept on working smoothly.

Continued operation was possible because Locaweb data centers have their own power plants with redundant generators operating in parallel. This same level of resilience and reliability is now built into the network physical layer supporting data traffic in the centers.

Throughout the latest infrastructure upgrade project, Locaweb has been working in close partnership with the Policom Group. Highly qualified staff from Policom assisted in the design and installation of the new infrastructure and CommScope certified the completed work. This now benefits from the industry leading CommScope 20-year warranty and application assurances.

Commenting on the project, Ricardo Daizem, Country Manager, Brazil, CommScope said: "The data center is playing an ever more important role in IT services to companies and the public. The consequences of connectivity failures in, for instance, cloud computing systems mean that compromises on quality and performance can be disastrous – that's why Locaweb chose datacenter infrastructure solutions it could trust to deliver reliable high performance for many years to come."



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