

PRESS RELEASE

Alcatel-Lucent and Bytes System Integration speed Cape Town's digital transformation with delivery of advanced IP routing technology

7950 XRS core router to sit at the heart of high-performance IP infrastructure that will lower cost of broadband, connect communities and encourage socio-economic growth in the South African city

AfricaCom 2015, Cape Town, South Africa , November 18 , 2015 - Alcatel-Lucent (Euronext Paris and NYSE: ALU) is to deploy its advanced IP core routing network technology in Cape Town as the economic and tourism hub of South Africa's Western Cape transforms itself into a fully digital city working with Bytes Systems Integration.

As the economic hub of the Western Cape, a major tourist destination and one of the most populous cities in South Africa, Cape Town is home to many technology start-ups and a base for many global software companies, retail chains and financial companies. To drive growth and encourage new businesses to the area, the City of Cape Town wants to reduce the cost of broadband in order to expand access.

The new IP-based ultra-broadband infrastructure will help to lower the cost of broadband connectivity, connect underserved communities and stimulate new digital business development, while facilitating high-speed local government services.

With just 34 percent of South Africa's population connected to the Internet in 2013, the national government wants to see that number increased to 50 percent, connected at 5 Mbps, by 2016 and 90% by 2020 under the national broadband plan.

Working with its former subsidiary, Alcatel-Lucent Enterprise (divested to China Huaxin in 2014) and Bytes Systems Integration, Alcatel-Lucent is providing its IP routing portfolio - including the powerful [7950 Extensible Routing System](#) - for the development of a high-performance IP network infrastructure.

This will initially enable high-speed government administration and management services including access for emergency services. In addition the City of Cape Town wants to encourage infrastructure sharing to allow third party communications providers to connect underserved communities, facilitate the delivery of e-services and drive socio-economic growth.

Key Facts:

- The City of Cape Town has signed a three-year agreement with [Bytes Systems Integration](#) to expand its broadband and IP routing architecture including the Alcatel-Lucent [7950 extensible routing system](#), [7750 Service Router Portfolio](#), the [7210 Service Access Switch](#) and the [5620 Service Aware Manager](#) for a broadband IP infrastructure project.
- Alcatel-Lucent Enterprise will provide [OmniSwitch® Ethernet LAN switching portfolio](#) to extend the services envisaged by the City of Cape Town to offices and remote locations as the network edge switches in connecting via Metro Ethernet.
- Bytes Systems Integration is seamlessly integrating the [7950 extensible routing system](#)

- Information and Communications Technology (ICT) is one of the key priority areas in the City of Cape Town's Integrated Technology Plan. The communication network will reduce costs, and make high-speed data, voice and video services available to municipal facilities, and provide government e-services. It will also enable the City of Cape Town to become a 'carrier of carriers' providing infrastructure for MVNO's to deliver last mile broadband connectivity to homes and businesses.
- Alcatel-Lucent's 7950 XRS offers class-leading switching capacity, port density and power efficiency (only 1 Watt per Gigabit traffic) on a single platform, allowing providers to grow capacity in minimal space and power footprint – power efficiency is a critical requirement in South Africa.

Quotes:

Leon Van Wyk – Telecommunications Manager, City of Cape Town said: "The development of this high-speed communications infrastructure will further reduce the cost of broadband services through enabling open access to the City's broadband infrastructure for commercial service providers. This is facilitating easy access and driving competition hence reducing broadband services cost to the citizens. As a result of this, commercial ISPs are also using the City's broadband infrastructure to provide internet access to the public via Wi-Fi® Zones."

Rob Griggs, Managing Director, Bytes Systems Integration said: "As Bytes SI, we are entrusted with global technology collaborations by some of the world's leading organisations to manage and support these world class product solution sets on behalf of our clients. We have the credentials and track record that will ensure that the City of Cape Town has the support needed for the network design and support services required in delivering a secure and reliable network that offers broadband for all."

Daniel Jaeger, Vice President Alcatel-Lucent Africa, said: "This project highlights how our powerful 7950 XRS core router can serve the needs of governments and other organizations in addition to telecommunications service providers. This agreement builds on our growing momentum with governments in EMEA and around the world to develop more competitive nations and smarter cities, leveraging our expertise in IP networking, ultra-broadband and cloud technologies."

Ravin Naidu, Regional Director, Sub-Saharan Emerging Africa, Alcatel-Lucent Enterprise, said: "Our aim is to deliver world-class technologies to our customers. Our products and expertise in LAN networking offer a compliment to the capabilities Alcatel-Lucent and Bytes Systems Integration deliver on this important network and adds to the growing momentum of work we're doing with governments around the world as they use technology to enable more competitive nations and smarter cities. "

ABOUT BYTES SYSTEMS INTEGRATION (BYTES SI)

Bytes Systems Integration (Bytes SI) is a specialist outsource service provider (OSP) which designs, implements, services and manages customized ICT services and solutions. We provide a full range of it transformational services, such as service desk, end-user computing, server support, data security, network support services, data centre storage solutions and IT outsourcing, as well as contact centres, biometrics and identity life-cycle management, workforce management and cloud-based solutions. As an end-to-tend ICT solutions aggregator, Bytes SI maintains extensive leading vendor partnerships to deliver world-class technology across Africa. These services are provided through our wholly owned, full services companies located throughout South Africa, Botswana, Mauritius, Mozambique, Kenya, The UAE, Namibia and Zimbabwe as well as network of partners in other territories.

For more information, visit Bytes Systems Integration on: www.bytes.co.za , read the latest posts on the Bytes Systems Integration blog <http://www.bytes.co.za/blog>.

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Our company is a leading provider of enterprise communications solutions and services, from the office to the cloud, marketed under the Alcatel-Lucent Enterprise brand. Building on our established heritage of innovation and entrepreneurial spirit, we operate globally with 2700+ employees in 100+ countries worldwide, with headquarters near Paris, France.

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Alcatel-Lucent is the leading IP networking, ultra-broadband access and cloud technology specialist. We are dedicated to making global communications more innovative, sustainable and accessible for people, businesses and governments worldwide. Our mission is to invent and deliver trusted networks to help our customers unleash their value. Every success has its network.

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