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# Communications

## Africa

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# Meeting the challenges of wireless security



**Data centres**  
EADC to host local content

**Satellite**  
Developments in satellite technology

**Vol d'identité**  
Cameroun adopte la technologie de carte d'identité



AfricaCom 2016, Cape Town, South Africa

The logo for Measat, featuring the word "measat" in a bold, blue, lowercase sans-serif font. The logo is positioned in the upper left quadrant of the page, partially overlapping a blue and orange curved graphic element. The background of the entire page is a light gray world map with a white outline of the African continent, set against a white background.

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## A note from the Editor

THIS ISSUE OF Communications Africa/Afrique offers an analysis of Africa's efforts in improving wireless security, with a particular focus on South Africa.

AfricaCom 2016 returns to Cape Town this month and this issue will highlight the steps the continent is taking in digital transformation. We also explore the growth of Africa's Internet broadcasting sector and the latest developments in the continent's satellite sector.

**Main Cover Image:** BeeBright  
**Cover Inset:** VDMMAa

## Une note du rédacteur

DANS CE NUMÉRO de Communications Africa/Afrique il y a une article sur les efforts de l'Afrique dans l'amélioration de la sécurité sans fil, avec un accent particulier sur l'Afrique du Sud. AfricaCom 2016 revient à Cape Town ce mois-ci et mettra en évidence les étapes que le continent est en train de prendre dans la transformation numérique. Nous explorons également la croissance du secteur de la diffusion sur Internet de l'Afrique, et les derniers développements dans le secteur des satellites.

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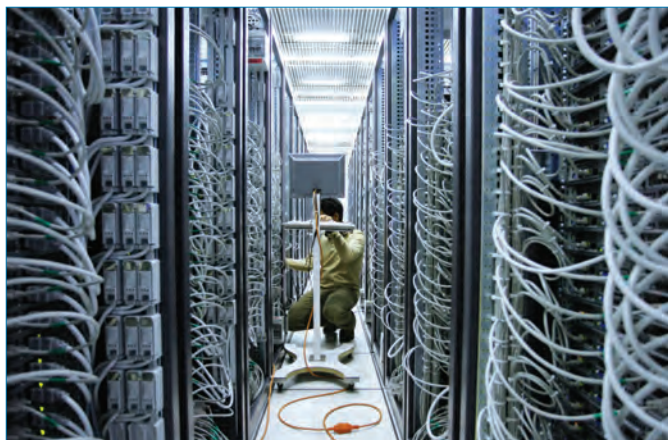
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## Tech hubs on the rise

EXPERTS AT AFRICA'S leading tech hub estimated that in 2011, there were 14-15 tech hubs across the continent. By September 2012, Zambia's first technology hub, BongoHive had mapped 70, with 20 in South Africa alone. The definition of a tech hub is contentious but vaguely, they are spaces where tech entrepreneurs, experts and enthusiastic amateurs meet to work on projects. This can be anything from a maker-space, hackerspace to a FabLab and more. The most recent estimates suggest that there are 314 active tech hubs in 42 African continents. Whilst exact figures are not known, these hubs generate countless jobs and growth to their local, national and continent-wide economies.



Tech hubs are growing exponentially.

## Oracle to host Digital Day 2016

ORACLE'S LARGEST ANNUAL customer conference in Africa will focus on cloud adoption and the digital transformation of business. The event is taking place over three cities, Lagos, Nigeria on 2 November, Johannesburg, South Africa on 9 November and Nairobi on 11 November. Oracle Digital Day 2016 will also feature case studies from a number of customers including Eskom and Tiger Brands, live demo sessions, and inspiring discussions with experts, analysts and practitioners.

## South African Court backs broadband block

THE INDEPENDENT COMMUNICATIONS Authority of South Africa opened a tender in July to interested telecoms firms to bid broadband licenses. Now, the Courts have upheld the government's decision to block the tender for US\$850m of high-speed broadband licenses. The Ministry of Telecommunications and Postal Services was alerted in July and sought legal action soon after.

## Africa Union rebutes fake travel advisories

AFRICAN UNION HAS publicly informed the African and other international media that individuals or groups are trying to mislead the general public. Social media circulation and numerous queries to the African Union Commission have sparked the public statement as they and others have received what has been described as a satirical travel advisories.

## Nigeria Govt to support small businesses through tough times

THE COMMUNICATION SERVICE Tax, that would add a nine per cent tax onto voice, data, SMS, MMS and pay TV services, may have a huge impact on small businesses during the countries recession. As it stands, the bill is with the National Assembly, but support could come through the Bank of Industry, National Economic Reconstructive Fund and the Bank of Agriculture, however this bill could reshape the small business landscape, it may not affect much if this Tax bill is not passed later in the year.

## Somalia remains dire, says IMF Mission report

THE MISSION, LED by Mohamed Elhage, visited Nairobi in late September said that the future still remained dire in regards to Somalia's economic outlook, particularly with its set of individual circumstances. 'Weak institutional capacity, complex clan politics and a challenging security situation has complicated economic reconstruction.' The Staff-Monitored Programme is geared toward strengthening macroeconomic policy management, reforms to improve governance and institutional capacity and currency reform.

## Internet Society urge policymakers to act

IN JUNE, THE Internet Society ([internetsociety.org](http://internetsociety.org)) urged African policymakers to act on the opportunity of the Internet within the region. In total, 366 participants attended the Internet Summit Africa in Botswana from 29 May-10 June. People came from all across the continent, from a number of technology sectors to urge policymakers to assist small and medium sized businesses. The event also hosted members from around the world including the United States, France and Australia.

## Masambu elected director-general of International Telecommunications Satellite Organisation (ITSO)

PATRICK MASAMBU, A Uganda citizen and former chairman of the Council of the Commonwealth Telecommunications Organisation (CTO) has been elected director-general of the US based International Telecommunications Satellite Organisation. He brings over 30 years experience, which includes six years as ITSO's deputy director-general and director of technical affairs.

## Drones used for medical supply for first time ever in the world

RWANDA IS THE world's first country to use drones to deliver emergency medical supplies. The government and Zipline Inc, a US based firm have formed a partnership to deliver the innovative system to ensure that citizens in rural locations can receive vital emergency medical supplies.



Drones to be used for medical supplies in Rwanda.

## NCC and ATCON endorse Nigerian ICT Festival

ACCORDING TO BUSINESS Journal, the Nigeria Communications Commission (NCC) and Association of Telecommunications Companies of Nigeria (ATCON) have endorsed the second Nigeria ICT Festival and Exhibition 2016, which will commence 24 November 2016 at Sheraton Hotel, Ikeja, Lagos. The theme of the festival is ICT: Platform for growth in a Depressed Economy.

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## La Côte d'Ivoire approuve la licence de télécommunication d'une entreprise libyenne

« La Côte d'Ivoire attribuera une licence de télécommunication à la Libyan Post, Telecommunications and Information Technology Company (LPTIC), faisant de cette société le quatrième opérateur de téléphonie mobile », a récemment déclaré un porte-parole du gouvernement.

L'entreprise a annoncé le retrait des licences de quatre opérateurs mobiles en avril en raison de services de mauvaise qualité et d'impôts impayés.

« Le conseil a approuvé le choix de ce quatrième opérateur et a autorisé le gouvernement à finaliser le processus d'attribution d'une quatrième licence de téléphonie mobile », a déclaré Bruno Kone aux journalistes après une réunion du conseil des ministres dans la capitale commerciale, Abidjan.

La Côte d'Ivoire représente la plus grande économie francophone d'Afrique de l'Ouest ; elle compte environ 25 millions d'habitants et un nombre égal d'abonnés à la téléphonie mobile.



La Côte d'Ivoire compte 25mn d'abonnés à la téléphonie mobile. (Photo: Roman Yanushevsky)

## Vodafone recrute Antoine Pamboro, ancien directeur général d'Airtel en RDC et au Gabon

L'entreprise britannique Vodafone s'est adjoint les services d'Antoine Pamboro. L'ingénieur en télécommunications a précédemment occupé le poste de directeur adjoint de Camtel Mobile, la filiale spécialisée en téléphonie mobile de l'opérateur national Camtel.

Antoine Pamboro, originaire de Mindjil dans le département du Mayo-Kani à l'extrême nord du Cameroun, est retourné dans son pays il y a quelques années pour lancer Sahel Agro.

Cette unité agro-industrielle est spécialisée dans la transformation de maïs en farine.

« J'ai choisi de m'investir dans l'agro-industrie pour avoir un impact direct sur la population », a-t-il confié au Quotidien de l'Économie.

## Des agriculteurs togolais obtiennent des subventions par le biais de porte-monnaie électroniques

Avec l'appui de la Banque africaine de développement, le gouvernement togolais cible trois millions d'agriculteurs togolais, soit 70 pour cent de sa population totale. Il accorde des subventions aux agriculteurs grâce à des porte-monnaie électroniques mis en place par les opérateurs de réseau mobile.

Les opérateurs de réseau mobile du Togo sont également impliqués : ils financent 107 000 cartes SIM, préparent une campagne de communication et créent des centres d'appel d'assistance à la clientèle dans le cadre de leur responsabilité sociale des entreprises.

## Digital Afrique Telecom lance un nouveau service de paiement

Digital Afrique Telecom (DAT) a lancé DigiPay, une plateforme de traitement des transactions qui permet aux prestataires de services de fournir des services et des produits financiers mobiles à leurs clients en Afrique. DigiPay peut notamment être utilisée par les opérateurs de réseau mobile, les banques ou autres institutions financières, les fournisseurs de

services par abonnement et les sociétés de versements internationaux.

« Nous sommes ravis de lancer un service qui donnera accès à la finance et stimulera la croissance économique en Afrique », a déclaré Simplicie Anoh, fondateur et PDG de DAT. « Chez DAT, nous profitons des opportunités qu'apporte la technologie aux populations du continent. »

## Eutelsat déploie un nouveau satellite au-dessus de l'Afrique du Nord

Eutelsat travaillera aux côtés de nouveaux partenaires pour concevoir son nouveau satellite Eutelsat 5 West B, qui servira principalement les marchés du secteur vidéo en Europe et en Afrique du Nord.

Airbus Defence and Space fournira la charge utile du satellite, et la plateforme sera réalisée par Orbital ATK.

Eutelsat 5 West B, dont le lancement est prévu en 2018, devrait occuper la position 5° Ouest et remplacera le satellite Eutelsat 5 West A.

Ce nouveau satellite devrait assurer la continuité des activités et améliorer la qualité des marchés de diffusion essentiellement français, italiens et algériens, qui sont actuellement desservis par le satellite Eutelsat 5 West A.

« La mission en bande C d'Eutelsat 5 West A, à destination principalement de clients opérant des services de données en Afrique subsaharienne, ne sera pas poursuivie », a annoncé Eutelsat. « Une continuité de service sera assurée grâce aux ressources en bande C disponibles sur la flotte d'Eutelsat, optimisant ainsi le taux d'utilisation des capacités du groupe. »

## Ecobank lance son application mobile en Afrique

Ecobank annonce que cette application lui confèrera « l'ampleur et la capacité » de réaliser son objectif : atteindre 100 millions de clients.

« Cette application ouvre des portes à nos clients en leur permettant de faire des achats, d'effectuer des transactions et de faire des affaires sans devoir transporter d'argent », a déclaré le PDG du groupe Ecobank, Ade Ayeyemi. Grâce à cette application, les clients peuvent ouvrir un nouveau compte numérique « sans références de papier ». Ecobank a également conclu un partenariat avec Visa et MasterCard.

Le projet s'inscrit dans la continuité d'une rénovation importante du logiciel back office, réalisée par le groupe bancaire il y a quelques années. Le principal système bancaire Flexcube d'Oracle FSS a été déployé à travers la totalité du réseau panafricain d'Ecobank.

Constituée à Lomé, au Togo, en 1988, Ecobank Transnational Incorporate (ETI) est la société mère d'Ecobank. Elle est actuellement présente dans 36 pays africains. Le groupe compte plus de 17 500 employés dans 40 pays différents dans plus de 1200 succursales et bureaux. La banque propose des produits et des services de transaction bancaire, d'investissement, de détail et de gros.



Le projet s'inscrit dans la continuité d'une rénovation du logiciel back office. (Photo: Monkey Business Images)



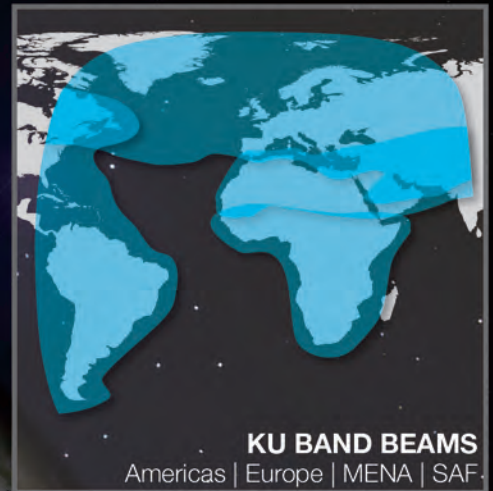
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## Events/Événements 2016

### NOVEMBER/NOVEMBRE

2/9/11	<b>Oracle Digital Day</b>	Lagos/Johannesburg/Nairobi	www.oracle.com
7-8	<b>Sub-Sahara Spectrum Management Conference</b>	Dakar, Senegal	subsahara-spectrum.com
7-8	<b>Critical Communications MENA</b>	Dubai, UAE	tmt.knect365.com
9-10	<b>WorldDAB General Assembly</b>	Vienna, Austria	www.worlddab.org
14-18	<b>Africa Com</b>	Cape Town, South Africa	tmt.knect365.com
15-17	<b>LTE Africa</b>	Cape Town, South Africa	tmt.knect365.com
15-17	<b>TV Connect Africa</b>	Cape Town, South Africa	tmt.knect365.com
22-24	<b>Practical Nigerian Content</b>	Abuja, Nigeria	www.cwpcnc.com
25-27	<b>Internet of Things Solutions World Congress</b>	Barcelona, Spain	www.iotsworldcongress.com
27-30	<b>Cairo ICT</b>	Cairo, Egypt	www.cairoict.com
29-30	<b>MED-IT</b>	Skhirat, Morocco	www.med-it.com
29	<b>World Communication Awards</b>	London, UK	terrapinn.com/awards

### DECEMBER/DECEMBRE

1-3	<b>Nigeria ICT Festival Conference 2016</b>	Lagos, Nigeria	nigeriaictfest.com
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### FEBRUARY/FEVRIER

14-15	<b>Next Generations Optical Networking Africa</b>	Cape Town, South Africa	tmt.knect365.com
27- 2 March	<b>GSMA Mobile World Congress</b>	Barcelona, South Africa	telecomsevents.com

## Global Expo Botswana to unlock potential in the country

FROM 23 - 26 NOVEMBER, Botswana will open its doors to the rest of the world at the Botswana Global Expo at Gaborone. The event has evolved from the former Botswana International Trade Fair (BITF) and the Botswana Industrial and Agricultural Fair (BIAF). The tenth edition of the premier business to business multi-sector expo will sell Botswana as the ideal place for foreign direct investment. The communications sector in Botswana has a lot to gain from the rest of the world. The country's political and economic stability is almost incomparable on the continent. In addition, stable macroeconomic environment, economic growth and no foreign exchange makes it attractive to investors. Furthermore, the bilateral trade deals between the European Union and the SADC, which includes Botswana, means that now has never been a better and more open time to invest in the continent.

This allows communications companies and suppliers to invest more freely and take advantage of the local market. Particularly, as Botswana has seen, the growth of small businesses using mobile phones and home computers may entice previously deterred investors.

Previously, companies such as Orange have taken advantage of the Global expo in the past years of the show. Elsewhere, Botswana Telecommunications Corporation has Limited recently signed a managed service agreement with Amdocs in order to modernise their Business Support Systems. The Botswana Telecommunications Corporation has around 800,000 customers and has awarded Amdocs a five year managed service contract for business support system modernization with the aim to converge billing and customer care options and reduced billing costs. Across the country, businesses are looking to streamline operations and costs by using expert foreign businesses who are proven around the world. According to event organisers, the Global Expo Botswana is the perfect opportunity for companies looking for investment and those looking for partnerships.



Orange at the Global Expo in 2015. (Photo: GlobalExpo)

The Global Expo's official accommodation partner is Masa Square Hotel. According to the organisers, they are also supported by Tlotlo hotels, Phakalane golf estate hotel resort, The Grand Palm hotel and casino convention resort, Mondior, Cresta Hotels, Avani Gaborone and the Aquarian Tide.

Registration for exhibitors and visitors is still open and can be accessed at [www.globalexpo.co.bw](http://www.globalexpo.co.bw). In addition, the event, which has been organised and managed by Go Botswana, Botswana Investment and Trade Centre, will provide visitors with a complete exporters guide and a Botswana product list so they can plan ahead and schedule their time accordingly.

The Global Expo Botswana is sure to be an exciting event for all communications companies in the current political and economic climate, and for many investors, this is the perfect time to invest in the nation and its assets.

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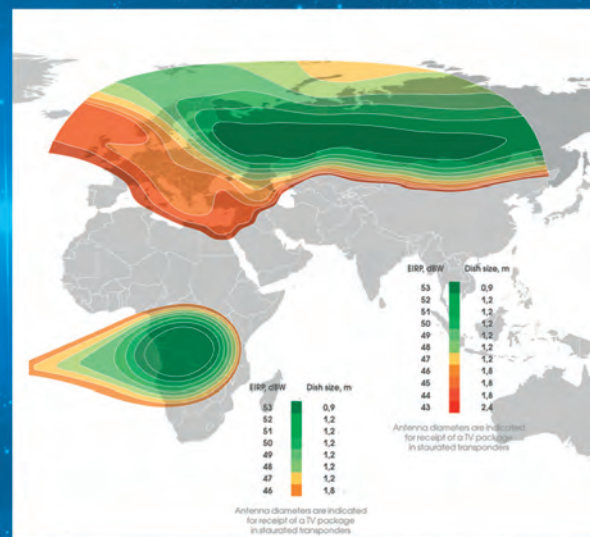
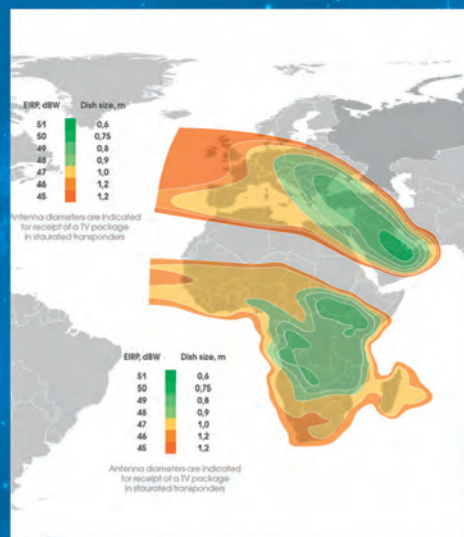
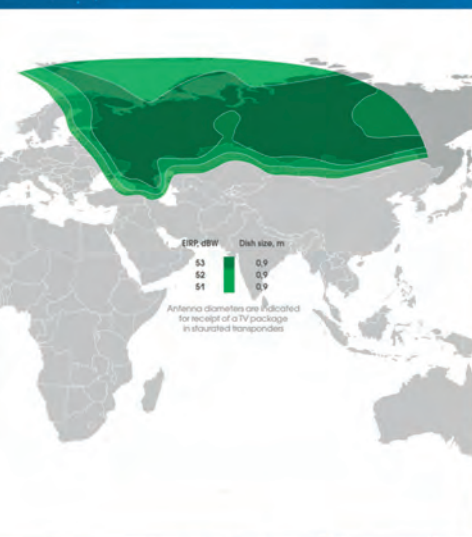
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## YAMAL-402

## YAMAL-202



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# YAMAL-402

ORBITAL POSITION 55E



## AfricaCom 2016 to launch 'Connecting Africa'

AFRICACOM WILL LAUNCH its online resource entitled 'Connecting Africa' at the show taking place in Cape Town, South Africa, which will welcome 10,000 visitors from across the digital world.

According to its website, 'The essential, independent online resource providing insight into the key issues, opportunities and trends shaping the African tech and telco ecosystem.'

Debuting this month is the first ever online community dedicated to tackling the immense scope of the African tech and telco landscape, as well as enabling a more comprehensive and nuanced understanding of the sector and the opportunities such an insight can afford. This community will be the largest and most sophisticated online meeting place for tech and telco professionals who are helping to shape 'Digital Africa.'

The self-confessed best technology event in Africa is in the process of developing itself into a key resource for the digitally connected to grow, invest and develop into global players in the digitised world. AfricaCom 2016 is still the event for Africa's digital transformers with more than 350 inspirational speakers and more than 375 exhibitors offering the solutions to the continent and the world's most pressing challenges.

This year also features a new programme which includes carefully tailored content and events including satellite events from IoT and Smart Cities Africa, Telco Big Data and the Leaders In Africa Summit and headline keynote speakers.

In addition, AfricaCom is celebrating its networking abilities as an event with the new for this year AFEST concert to be hosted by the Shimmy Beach Club. The event will feature live music and networking with a line up of musicians, including Black Coffee, Mi Casa and Freshly Ground.

The AfricaCom festival will run between 14-18 November alongside the conference and exhibition from 15-17 November 2016 at the Cape Town International Conference Centre in Cape Town, South Africa.



## Nigeria's new tax score

A CONCERN ON the horizon is the looming Communication Service Tax Bill 2015, which is currently with the National Assembly. If passed into law, the law will require that consumers of voice, data, SMS, MMS and pay TV services pay a 9 per cent tax on their tariffs for using these services.

This is in addition to other taxes people already pay for mobile and Internet access – 5 per cent VAT, 12 per cent import duties on ICT devices, and 20 per cent tax levied on SIM cards, amongst the series of taxes. The Alliance for Affordable Internet, Nigeria Coalition, estimates that the new tax could prevent more than 50mn Nigerians taking out a basic broadband connection due to affordability reasons. This may negatively impact operations for small and medium sized enterprises.

## African Innovation 2017 call for applications

THE AFRICAN INNOVATION Foundation (AIF), driver of The Innovation Prize for Africa (IPA) announced the launch of the sixth edition of the IPA awards by calling for applications to the prestigious competition.

The call for applications marks the sixth year of the IPA, which started in late September and will run for three months until 3 January 2017.

Africa's top innovators will win a share of US\$1,000 plus attractive entrepreneurial opportunities for nominees and other qualifying participants.

Enterprises and individuals that have invested in delivering market-oriented solutions for African-led development are especially invited to take part in the competition.

The IPA is looking for applications in social and economic innovation including manufacturing and service industry, health and well-being, agriculture and agri-business, environment, energy and water, and ICT showcasing ground-breaking innovations. IPA welcomes Innovations beyond the scope of these sectors.

Pauline Mujawamariya Koelbl, the IPA Director commented, "We are

extremely pleased to officially launch the IPA 2017 edition for African innovators. We strongly believe that investing in today's home-grown innovations will propel tomorrow's prosperity for Africa."

The theme for IPA 2017 is African innovation: Investing in prosperity. In line with the United Nations (UN) Sustainable Development Goal (SDG) No. 9 which calls on countries to build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation, AIF believes that funding streams, investment and resources are critical to obtain a clear value chain for innovation in Africa, contributing to sustainable development.

IPA is a leading platform on the African innovation landscape with a network of 6000+ African innovators spanning 50 countries. Its core goal is to strengthen African innovation ecosystems through its platforms and mobilize a network of innovation enablers, driving business development and cross-collaboration.

Entries can be submitted at [InnovationPrizeforAfrica.org](http://InnovationPrizeforAfrica.org)

## Facebook launches business pricing war

FACEBOOK HAVE LAUNCHED a workplace version of its mobile app and of its website, marking the company's first step into the extremely competitive and crowded enterprise software arena.

The new product is called Workplace by Facebook and has been in testing for more than a year. It is now available

to all businesses. It has been designed as a workplace communication and collaboration tool, putting Facebook in direct competition with the face-growing start-up compant Slack.

Workplace is a subscription based product, a departure from the personal advertisement-driven Facebook that most of us use on a day-to-day basis. The company is charging businesses between US\$1 and US\$3 per user. In comparison, Slack's cheapest business plan charges around US\$7 per user.

Facebook has been actively taking on all social media competitors by bringing out new innovative products to challenge the established names, such as apps and add-ons to challenge the fast-growing photo sharing app Snapchat. It aims to win over employees and managers alike as many see it as a distraction rather than benefit, particularly in the office environment. To respond to this, it is not requiring users to sign in with their personal accounts and its limiting the site's signature NewsFeed where users see regular updates from their friends and other accounts and pages that they follow.

In addition to the usability of the product in the working environment, Workplace is being used by Facebook to build a direct sales unit where professional services can advertise and sign up to campaigns.



Photo: Rawpixel.com

## Myths surrounding gamification from Intelcom

BJORN-RUNE HANSEN, Gamification manager at Intelcom, says its time for contact centres to understand what gamification is, and what it is not. According to Hansen, gamification is defined as the application of game dynamics and mechanics to real-world tasks and processes, it is less of a single, monolithic thing and more of a way of thinking. He highlights five myths surrounding the term: firstly, that gamification is just an empty buzzword, secondly gamification has no place in serious business, thirdly game based learning and gamification are just fads, the fourth myth he notes is that only young people play games and the final myth is that there is no evidence that gamification works. "Engagement is the purpose of games and gamification, so sometimes a bit of fun is exactly what you need to get your serious business really moving," says Hansen.

## Kaspersky Lab Africa offers tips on safeguarding children online

GLOBAL SOFTWARE SECURITY group Kaspersky Lab has recently launched Kaspersky Internet Security - multi-device 2017 in Kenya - a security solution to support parents in keeping their kids safe online.

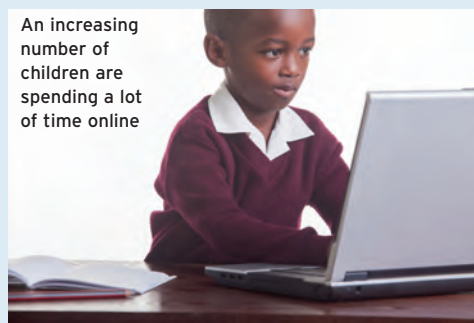
As Internet adoption is on the rise in Kenya, Riaan Badenhorst, managing director for Kaspersky Lab Africa, has provided some tips for parents to help protect their kids in the digital world.

An increasing number of children are spending a lot of time online, whether it is social media, online gaming, or just instant messaging their friends, they have adopted technology in a way that it plays a big role in their day to day activities.

"Unfortunately, while Internet access brings with it a wealth of benefits, the reality is that predators are out there using more sophisticated ways than ever to exploit children. Parents might think that their children are safer in the virtual world than in the real one, however the reality is that they are just as vulnerable online."

Global research conducted by Kaspersky Lab found that more than half of children between the ages to 8 to 16 revealed that they cannot imagine life without their smartphones - with just under half of them taking it to bed at night. However, the real concern is that up to 40 per cent of children disclose sensitive information about themselves on social media, for example, places they visit and their home address

An increasing number of children are spending a lot of time online



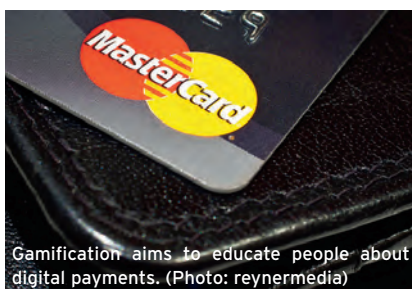
"For these children, being online is as much of their daily routines as brushing their teeth and eating breakfast. In Kenya, just as in other parts of the world, parents are often not as tech-savvy as their children and have very little idea on how best to monitor their usage and provide guidance to them."

Children are easily able to access sexually explicit content and to download pirated materials such as movies and music.

"It is vitally important for parents to talk to their children about the potential dangers they face online just as they would in terms of the risks in the offline world. If a computer is used as the gateway to the online world, it should be in the family room where everyone can experience and share things with one another."

## Mastercard collaborates with Digitata on gamification campaign

MASTERCARD HAS PARTNERED with Digitata to launch a gamification campaign that educates South Africans on the benefits of making safe, secure and fast payments with Masterpass, a global digital payment service from Mastercard.



Gamification aims to educate people about digital payments. (Photo: reynernmedia)

The new game 'The Masterpass Race' demonstrates the benefits of masterpass across digital payment channels including airtime top-up, online purchases, bill payments and in-store payments. It also presents the security features, convenience and ease of use people will find in Masterpass - such as the fact that they can make payments with a smart app on their smartphones without the need of their wallets.

"We at Mastercard are innovating faster than ever before in our efforts to make digital payments simpler, more secure, and more accessible," said Gabriel Swanepoel, product development and innovation, Mastercard. "To create widespread adoption of our Masterpass solution, we looked for a unique, fun and engaging platform to bring its benefits to life for consumers. Gamification was a perfect opportunity to educate consumers about how digital payments can improve their lives."

Subscribers were instructed to dial a USSD short code then answer questions relating to information supplied in the game about mobile and cashless payments and Masterpass.

Richard Walton, acting CEO at Digitata Insights, said, "Gamification - the incorporation of game play into online marketing - is an extremely effective way to keep mobile users engaged, offering the ideal opportunity to educate them in an interactive manner."

## Etisalat launches online self-service platform

ETISALAT HAS UNVEILED an online self-service platform known as 'MyEtisalat', a platform, which can be accessed via an app on the web.

Chief product and information officer, Etisalat Nigeria, Otuyemi Otule, stated the platform simplifies the experience and journey of Etisalat customers across its various digital platforms.

Otule noted that Etisalat self-service platform gives customers full access to their account information and available services. The platform, which can be accessed via an app and on the web, offers Etisalat customers access to a number of features and functions which enable them to manage all their Etisalat dev services without the need to use text or dial codes.

"The platform was developed as a result of intelligence generated from customer feedback and surveys. This is proof that Etisalat is a brand that cares about what its customers are saying and feeling and strives to respond to their feedback", he said.

Otule added that 'My Etisalat' service provides customers with convenience and ease, while the service looks at various segments of Etisalat business offerings such as prepaid, post-paid, airtime, data, roaming and value added services with features and functions in the mobile telco space.

"With the innovative service, Etisalat customers can now also enjoy greater value when they use the platform as it gives them control over their preferences on the network. The self-service platform also offers unique security features that enable customers to disable their devices if stolen," he stated.

'MyEtisalat' application is compatible with all major application platforms including iOS, Android, Blackberry and Windows and is zero-rated, which means customers do not need additional data to use the application or an Etisalat SIM on their mobile device to use the service on the web.



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## La Guinée s'attaque à la fraude par Sim box

SUITE À LA nomination de Subah Telecom pour éliminer la fraude par Sim box et renforcer le suivi des appels et le Revenue Assurance, l'autorité de régulation guinéenne, l'ARPT, a révélé que plus de cinq millions d'appels vocaux supplémentaires sont désormais enregistrés tous les mois.

Cette situation génère des revenus supplémentaires d'un million et demi de dollars tous les mois pour les opérateurs guinéens, avec des taxes additionnelles de 300 000 USD pour le gouvernement.

La solution anti-fraude par Sim box proposée par Subah a été conçue pour résoudre des problèmes similaires dans les réseaux de son pays d'origine, le Ghana. Contrairement à d'autres produits sur le marché, Subah peut détecter et bloquer les numéros de carte SIM frauduleux, ainsi que localiser et éliminer la Sim box elle-même.

La solution anti-fraude par Sim box de Subah peut également être combinée à un système complet de suivi des appels, afin que tous les appels nationaux et internationaux soient enregistrés et facturés, ce qui se traduit à nouveau par des taxes supplémentaires pour le gouvernement.

L'ensemble du projet est une initiative publique/privée à revenus partagés. Subah a pris en charge les coûts de mise en place. Maintenant que ce modèle commercial a fait ses preuves, Subah collabore avec des autorités de régulation partout en Afrique afin de déployer des systèmes semblables.

En août 2016, le système anti-fraude par Sim box de Subah Telecom a été qualifié de « Meilleure solution de contrôle du trafic des télécommunications » lors du Troisième Forum annuel africain sur la gestion des risques, le Revenue Assurance et la fraude en matière de télécommunications (Third Annual Africa Telecoms Fraud, Revenue Assurance & Risk Management Forum). Subah Telecom fait partie du Subah Group dont le siège social se situe au Ghana.

La solution anti-fraude génère des taxes additionnelles pour le gouvernement. (Photo: Teseum)



## Maroc Telecom dévoile ses résultats pour FY2016

LA SOCIÉTÉ DE télécommunications Maroc Telecom a publié son rapport financier sur les neuf premiers mois de l'exercice 2016 en annonçant une augmentation de revenus de 3,3 %, soit 2,6 milliards USD à 2,2 milliards USD

Les opérations internationales de la société ont enregistré une croissance de 12,4 pour cent d'une année sur l'autre (8,8 pour cent sur une base comparable) et une croissance marginale (1,9 pour cent) sur le marché intérieur de la télécommunication de la société.

Abdeslam Ahizoune, Président du directoire de Maroc Telecom déclare : « Ce résultat a été atteint grâce à des efforts d'investissements majeurs dans la téléphonie 3G et 4G et sur les réseaux fixes au Maroc, mais aussi dans ses filiales africaines. »

## L'Algérie va lancer un satellite de communications en 2017

SELON L'AGENCE SPATIALE nord-africaine, AComSat1, le premier satellite géostationnaire algérien sera lancé d'ici la mi 2017 à bord de la fusée Chang Zheng-3B/G2.

« Le satellite AComsat1 sera lancé avant la fin juin 2017 dans le but de renforcer la souveraineté nationale dans les domaines des télécommunications, de la radiodiffusion, téléphonie et Internet », a annoncé Azzedine Oussedik, directeur général de l'ASAL (Agence spatiale algérienne).

Les communications satellites AComSat1 transportera des transpondeurs Bande Ku et Bande Ka pour les applications civiles et Z-band, UHF et EHF pour les utilisations stratégiques et militaires. Basé sur le module de service DFH-4, sa masse est de 5200 kg et sa longévité est de 15 ans.

Deux centres de contrôle terrestre ont été construits, un à Médéa et le deuxième à Ouargla. Ils contrôleront le satellite. Le projet est encadré en coopération avec la Chine qui forme le personnel algérien aux opérations.

La nouvelle tombe à la suite du lancement en septembre de trois satellites d'observation algériens (AISat-1B, AISat-2B et AISat-1N) par le lanceur Indien PSLV C-35 de Sriharikota, le Centre spatial de Satish Dhawan au sud-est de l'Inde.

Le satellite sera lancé avant la fin juin 2017. (Photo: Dabarti CGI)



## Orange Cameroun profite de la suppression de numéros de téléphone

L'AGENCE DE RÉGLEMENTATION des télécommunications (ART) au Cameroun a récemment rendu publique sa décision de « restituer 400.000 numéros de téléphone préalablement alloués » à la filiale camerounaise du groupe français de télécommunication Orange.

Cette évaluation conduite par l'organe régulateur du secteur des télécoms qui avait fourni des commentaires positifs suite à une demande d'Orange Cameroun devrait permettre à la société de faire des économies à compter de l'année prochaine.

Il avait été dit que la demande d'Orange Cameroun — dans laquelle la société souhaitait « rendre » à l'agence de réglementation « un certain nombre de numéros » alloués à la société — faisait partie de la stratégie de réduction des coûts de la société.

Les opérateurs mobiles, à travers tout le pays, paient selon la réglementation, une somme de 0,27 centime par an à l'agence de réglementation, pour chaque numéro de téléphone qui leur est alloué. Selon ces calculs, en rendant les 400.000 numéros à l'ART, Orange Cameroun devrait pouvoir économiser 109.000 euros à compter de 2017.

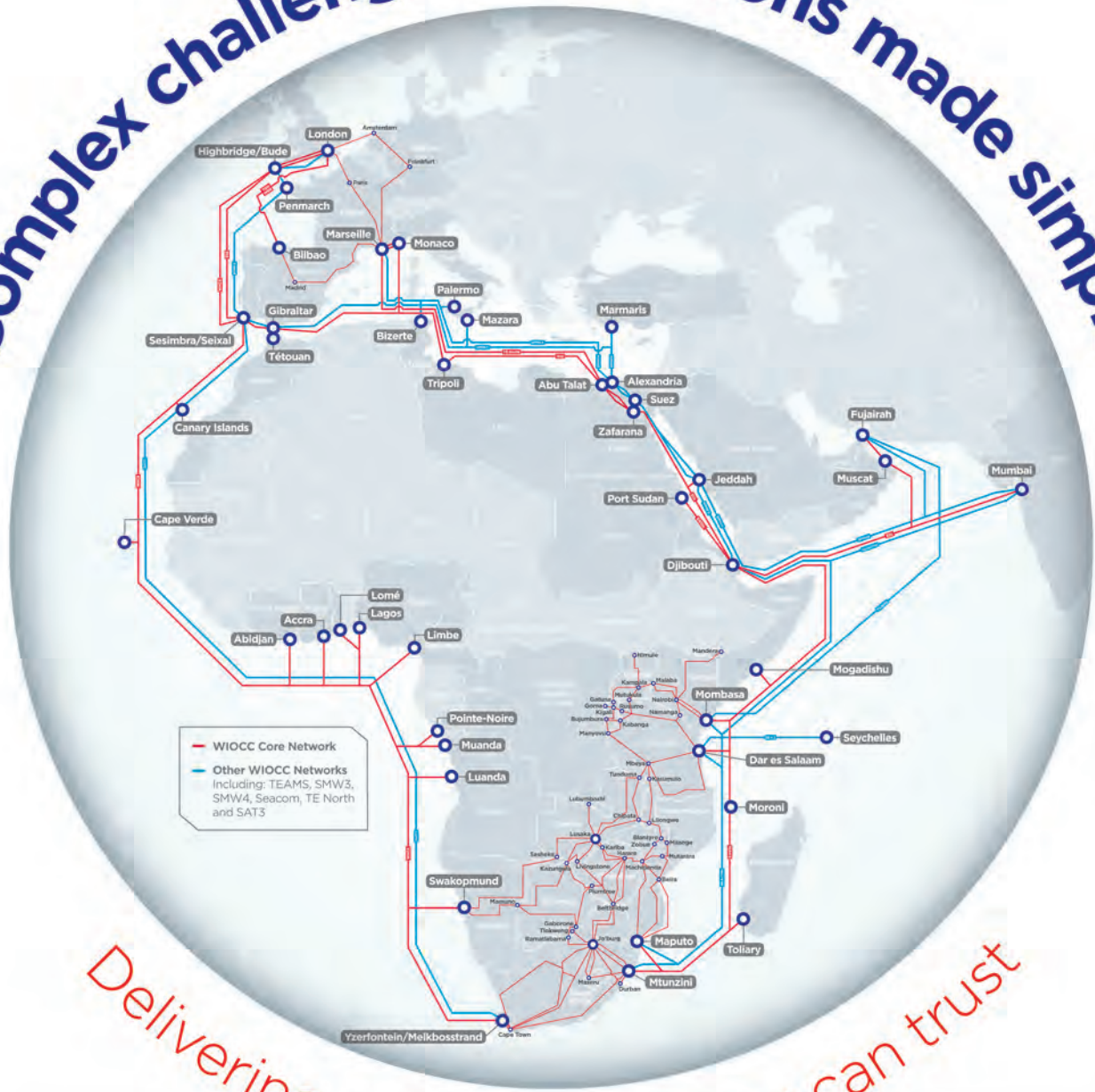
Business in Cameroon rapporte que les numéros des groupes ainsi restitués font partie d'une demande totale de 700.000 numéros de la part d'Orange Cameroun en 2012. Ils avaient été alloués par l'organe de régulation dans le cadre de l'accord conclu entre la filiale camerounaise du groupe Orange et Set Mobile, l'opérateur de réseau mobile virtuel (MVNO) lancé à l'époque par le footballeur Camerounais Samuel Eto'o.

Set Mobile a dû faire face à des difficultés de management qui, à leur tour, ont conduit à la fermeture du MVNO au bout de quelques années. Cependant, cela n'a pas permis à son partenaire de profiter de la plupart des 700.000 numéros mis à disposition à l'époque par l'ART.

Pour cet opérateur télécom, il ne s'agit pas que de réduire les dépenses liées à la présence de ces numéros dans son portefeuille, mais aussi de permettre à l'ART de les réallouer potentiellement à d'autres sociétés.



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“Technical and leadership capacity deficits continue to prevent us from implementing our development strategies and policies on technology. About 73 per cent of 45 African countries have medium capacity, nine per cent have low capacity, while only 18 per cent have high capacity. We require an urgent and concerted effort to address this challenge.”



**- Sammy Itemere**

*Broadcasting and telecommunications principal secretary  
African Advanced Level Telecommunications Institute*

“We’re trying to predict future poacher attacks or where poachers may strike next based on what we have observed in the past on our patrols ... We want to deliver software so the local rangers can use it with minimum training.”

**- Professor Milind Tambe**

*Leader of the team developing Protection Assistant for Wildlife Security (PAWS) in Uganda  
University of Southern California*

“Kenyans are receptive to new ideas, those which make a difference. Nairobi is a good city to test innovations.”

**- Fredrick Ouko**

*Founder  
Riziki Source*

“In Ethiopia satellite can support terrestrial networks to fill gaps in such areas as geographical blocked spots and restricted network coverage and provide reliable and affordable services”

**- Dr Debretsion Gebremichael**

*Minister, Communication and Information Technology  
Government of Ethiopia*

“Demand for fast, affordable connectivity in Tanzania has been increasing as consumers, NGOs, government departments and businesses of all sizes understand the value and have greater access to mobile devices.”

**- Enrico Leonardi**

*Chief sales officer  
Avanti*

“Here in Nigeria, 18mn people use Facebook ... Part of the reason I’m here is that this is where a lot of the future is going to get built.”

**- Mark Zuckerberg**

*CEO  
Facebook*



“We need to develop mobile phone applications that improve education provision, healthcare services, water sanitation and environmental management in regions such as Africa.”

**- Haji Ali Haji**

*Tanzanian ICT doctoral student  
University of Cape Town*

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# Meeting the capacity demands of a growing nation

Mike Last, VP, Marketing & International Business Development at Africa's carrier WIOCC, discusses the growth of international bandwidth capacity in South Africa, and the country's emergence as an international connectivity hub.

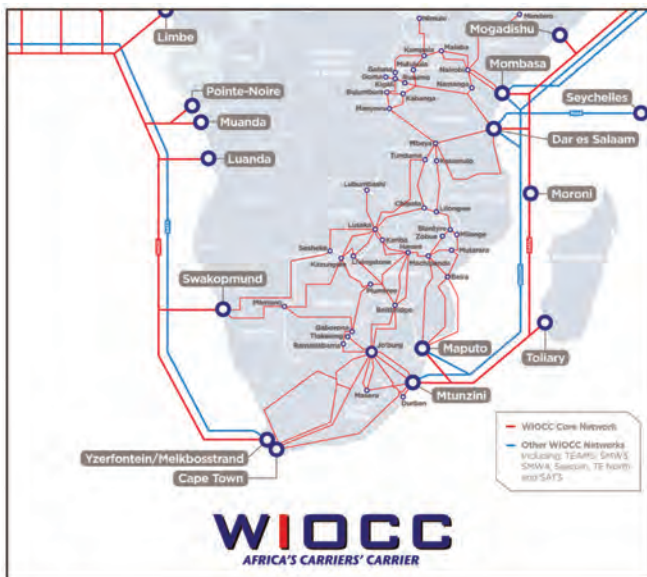
ONE OF THE key elements underpinning South Africa's continuing growth is undoubtedly improved international bandwidth availability in the country. Recent years have seen dramatic enhancements - in terms of price reduction, capacity increase, better reach and greater diversity.

The ever-expanding rise in demand for reliable, high-capacity international bandwidth is being driven both by businesses and the general public.

An increasing number of consumers in South Africa are utilising, and then becoming reliant upon, this international connectivity for a myriad of purposes, from communicating on social media platforms, to managing and transferring money and accessing e-health and e-government services.

According to the latest figures from Internet World Stats in November 2015 nearly 27mn people, almost half the population, in South Africa used the Internet, and there were 15mn Facebook users.

Businesses meanwhile are taking advantage of the improved connectivity to boost their efficiency and competitiveness, and to open up new markets across the region and globally.



WIOCC connectivity map of South Africa

In order for local operators and Internet Service Providers (ISPs) to deliver the reliable, affordable, high-capacity international connectivity needed to serve an increasing percentage of the population in South Africa, investment in the region's ICT infrastructure has been, and continues to be, critical.

This investment is being directed to numerous areas, including upgrading existing submarine cables; extending terrestrial fibre; more cross-border links; Data Centre construction and expansion, carrier Points of Presence (PoPs) and metropolitan area networks; as well as improving the all-important last-mile connectivity.

## South Africa an international hub

One upshot of the improved international connectivity from South Africa and the ongoing investment in regional infrastructure is the emergence of

South Africa as an international hub for traffic to and from the southern part of the continent.

A key organisation behind this growth is Africa's carrier WIOCC, which has invested heavily in the region to support its customers and its telco shareholders (including BoFinet in Botswana, TDM in Mozambique, TelOne in Zimbabwe and the LCA in Lesotho). WIOCC is now bringing significant amounts of traffic into South Africa from multiple locations along Africa's eastern seaboard (mostly via the EASSy submarine cable, in which it is the largest single investor), as well as from land-locked countries such as Botswana, Lesotho, Malawi, Zambia and Zimbabwe.

WIOCC has spent more than US\$200mn to ensure the quality, reach, accessibility and reliability of its unique, award-winning network, which connects South Africa with many other countries in Africa - as well as directly to Europe, the Middle East and Asia.

As well as investing in the major cable systems serving South Africa, WIOCC also owns and continues to expand a diversely-routed terrestrial network in South Africa. This links the east and west coast submarine cable landing stations and interconnects key cities.

## Existing submarine cables have sufficient capacity

Despite the availability of multiple high-capacity submarine cables serving South Africa - including WACS on the West coast, and EASSy and Seacom on the East - there has recently been speculation regarding the possibility of new submarine cables landing in the country.

Chris Wood, WIOCC CEO, firmly believes the existing submarine cable systems serving South Africa are able to offer sufficient broadband capacity and, very importantly, diversity, to not only meet existing and projected future demand, but also to provide a suitable level of protection against cable cuts.

The big issue currently is that some broadband capacity suppliers have not built sufficient levels of diversity into their networks, by not utilising each of the five main cables serving South Africa, and so are leaving their customers vulnerable to unnecessary service interruptions due to individual and multiple cable cuts.

Wood explains, "The EASSy cable has a design capacity of 10Tbps, of which only just over half a Tbps has been lit; with only 50 per cent of that currently in use. A further capacity upgrade of EASSy in 2017 will add another 2Tbps, and that is expected to take at least another two to three years to be soaked up by the market."

Developments in optical technologies could further increase design capacity in the coming years. WACS and Seacom also currently have spare capacity, and the technology on these cable systems also allows for significant capacity upgrades.

Supporting carriers in their efforts to improve communications for South Africa requires reliable infrastructure, local expertise, market knowledge, contacts and an understanding of the regulatory environment. The ability to establish long-term partnerships, where shared goals and the ability to work flexibly together to ensure that rapidly-changing end-user demands can be quickly and easily met is also vital.

WIOCC will continue to help carriers and ISPs overcome complex connectivity challenges, using all its expertise and experience to deliver reliable, scalable, high-speed connectivity solutions to, from and within South Africa. ©

# Le Cameroun joue bien ses cartes

Gemalto déploie sa technologie de pointe relative aux cartes d'identité pour l'État d'Afrique de l'Ouest.

**L**A DÉLÉGATION GÉNÉRALE à la sûreté nationale (DGSN) du Cameroun a fait appel aux experts de la sécurité numérique de Gemalto afin d'obtenir leur aide pour déployer la nouvelle technologie relative aux cartes d'identité.

La société cotée à la bourse d'Euronext contribue à lutter contre la fraude et la falsification de documents grâce au déploiement de sa solution de pointe Sealys Colour in PC pour les cartes d'identité électroniques en polycarbonate, une première en Afrique.

Cette solution de gravure laser permettra de fournir des cartes durables à partir de photos haute résolution aux quelque 20 millions de citoyens camerounais qui disposeront ainsi d'une preuve irréfutable de leur identité.

Les premières cartes ont été délivrées en août dernier, a déclaré Charles Mevaa, vice-président des programmes gouvernementaux en Afrique chez Gemalto. Le corps de la carte, qui est constitué de feuilles de polycarbonate, est garanti pour une durée de vie de 10 ans minimum, du fait de sa résistance exceptionnelle aux températures extrêmes et aux contraintes mécaniques.

## Plusieurs autres pays africains ont déjà passé à cartes d'identité nationales électroniques afin de renforcer la sécurité

Ce projet a également marqué le premier projet gouvernemental de Gemalto au Cameroun. Mevaa déclare qu'il place le pays en tête des nations africaines dans le domaine de la sécurité des documents d'identité.

« Les documents d'identité électroniques et biométriques, au même format que les cartes de crédit, sont conçus pour lutter contre la fraude et intègrent de nombreuses caractéristiques de sécurité tant visibles qu'invisibles » a-t-il indiqué. « Pour la première fois, ils intègrent un portrait en couleur gravé au laser et haute définition du titulaire de la carte, non pas sur la surface du document, mais à l'intérieur même de la carte. Cette approche novatrice est une première mondiale ».



Charles Mevaa, vice-président des programmes gouvernementaux en Afrique chez Gemalto

La participation de Gemalto s'est étendue à la dispense d'une formation, à l'entretien et au transfert de connaissances, ce qui signifie que les autorités camerounaises peuvent assumer l'entière responsabilité de l'enregistrement des citoyens et de la délivrance des cartes électroniques personnalisées, ainsi que de leur vérification ultérieure aux terminaux.

La DGSN est l'instance officielle chargée du maintien de la paix et de la sécurité au Cameroun, et travaille en étroite collaboration avec les forces de police et autres organisations connexes.

Le directeur de la DGSN, Martin Mbarga Nguete, a déclaré que cette solution conférerait à l'organisation une autonomie complète et en interne vis-à-vis de la gestion et de l'exploitation du nouveau programme national de cartes d'identité électroniques. Il a indiqué que la détermination et la vérification de l'identité de chaque citoyen « se trouvent au cœur même de la sécurité et du succès de tout État nation ».

Mevaa a ajouté que les nouvelles cartes d'identité sont également biométriques et comportent 10 empreintes digitales intégrées. « Nous avons opté pour la biométrie car cette technologie s'est rapidement imposée comme la technologie la plus adaptée pour une confirmation fiable de l'identité du titulaire et,

partant, pour une lutte efficace contre l'usurpation d'identité » a-t-il renchéri.

Ceci signifie que les titulaires de cartes seront capables entre autres de signer électroniquement des documents grâce à un certificat numérique ainsi que de confirmer leur identité.

Bien que le Cameroun soit le pionnier dans l'utilisation de cette technologie particulière, plusieurs autres pays africains sont déjà passés aux cartes d'identité nationales électroniques afin de renforcer leur sécurité.

En Afrique du Sud, le gouvernement a sélectionné Gemalto afin que la société lui fournisse ses cartes d'identité électroniques Sealys qui comportent un logiciel intégré de sécurité, lequel protège l'image et les données biométriques du titulaire au sein même du document d'identité électronique sécurisé.

« Cependant, le type de carte d'identité électronique, basé sur le polycarbonate couleur qu'a choisi le Cameroun, est une première en Afrique » a ajouté Mevaa.

La valeur du projet camerounais n'a pas été communiquée. Gemalto a désormais travaillé dans le cadre de plus de 100 programmes gouvernementaux de sécurité numérique et de cartes à travers le monde, y compris dans plus de 25 pays africains, et se targue de revenus annuels atteignant les 2,5 milliards d'euros. ©

# A new dawn for locally hosted content

Since the East Africa Data Centre first opened its doors to businesses three years ago, service quality and standards have risen across the region. The facility is staying ahead with a series of refinements that will ensure its customers have a world-class home to host local content



The East Africa Data Centre started operating in 2013  
(Source: Liquid Telecom)

Photo: Liquid Telecom

**G**ROWING DEMAND FOR IT services and locally-hosted content is prompting businesses across Africa to intensify their search for reliable and secure data centre space. The Middle East and Africa region is expected to have the highest cloud traffic growth rate globally through to 2019, during which it is expected to increase by a compound annual growth rate (CAGR) of 41%, according to the Cisco Global Cloud Index. Spotting cloud looming on the horizon in Africa, the East Africa Data Centre (EADC) began operations in 2013, emerging as the first facility of its kind to serve east and central Africa. This head start has helped position the data centre as the perfect hosting location for African and international companies looking to protect their business-critical applications and data in Africa.

Located at Sameer Industrial Park in Nairobi, the facility offers excellent access across Kenya and beyond to Uganda, Tanzania, Rwanda, Burundi, Ethiopia and Somalia,, as well as diverse fibre routes to cable landing stations in Mombasa.

## Maturing with the market

Three years may not seem much in the business world, but for Africa's youthful data centre market, EADC is entering a period of relative maturity. Setting out with a vision to help keep African content local, EADC has already accomplished much during its first few years of operation. It

has become home to Kenya's Internet Exchange Point and has been credited by the Internet Society as playing a major role in driving down internet prices in Kenya. More recently, the Technology Service Providers Association of Kenya (TESPOK) in partnership with the African Union Commission have announced they are launching Africa's first GSM Global Roaming Exchange (GRX) at the EADC. GRX will help cut costs for mobile operators in the region by removing the need for a dedicated link between each mobile service provider. It will also help reduce roaming charges as well as facilitate easy connectivity to the exchange.

Developments such as these are creating a more advanced ecosystem for digital business to thrive across Africa. But in turn expectations have been raised, and businesses in the region today are on the lookout for data centres that comply with the very latest international standards.

## A powerful proposition

Data centres have a fantastic appetite for power. In fact, the amount of energy consumed by the world's data centres is set to treble in the next decade, putting an enormous strain on energy supplies. A lack of reliable power infrastructure across Africa presents an even tougher challenge for the region's data centre operators, which sometimes have to contend with rolling blackouts and service outages. That is why EADC has taken a major step to

ensure it has a more reliable and efficient power source by constructing a new power plant. The power plant consists of two substations that supply two lines of power to the EADC, significantly increasing redundancy while improving power availability to the site from 85% to 97%. Like other data centre facilities across Africa, EADC mitigates the risk of service outages by reverting to costly back-up diesel generators. However, since completing the power plant, the facility is effectively no longer reliant on back-up generators, which translates into serious operational savings for EADC and its customers. The new power plant also brings EADC further in-line with international standards. EADC has been designed to Tier III specifications as certified by the Uptime Institute, which is recognised worldwide for certifying data centre design, construction and operational sustainability.

EADC is currently undergoing further review by the Uptime Institute to qualify for both Tier III facilities and operational certification, with approval for the first expected before the end of the year.

Further certification from the Uptime Institute will reiterate EADC as a world-class data centre facility for businesses in the region, as well as provide a platform for locally-hosted content to flourish. ☺

*For further information about the East Africa Data Centre, visit [www.eastfricadatacentre.com](http://www.eastfricadatacentre.com)*

# "VSAT Service Provider of the Year", adding another feather to our cap!



We are excited to be named **VSAT Service Provider of the Year** at the 18th Annual VSAT Global conference held in London on 15 September 2016. This was organised by KNext 365 and in partnership with Comsys and GVF.

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# Keeping remote networks running

As more rural and remote community wireless networks are deployed by a range of operators and services providers across Africa, the need for clear test and measurement approaches to these deployments are equally important. Tim Guest reports.

**M**ANY MOBILE USERS in urban and developed environments take for granted the services experienced; voice and data anytime, anywhere is just expected. That is, of course, until there's a problem, at which point frustrations boil over when calls drop and people simply can't connect to the Internet. For mobile network operators (MNOs), maintaining Quality of Service (QoS) is an ongoing process in any network.

Deloitte's Game of Phones African mobile consumer survey 2015/2016 of 5,000 consumers across Nigeria, Uganda, Kenya, Zimbabwe and South Africa found that in rural areas, mobile device penetration is still lower than urban areas at 83 per cent, compared with 99 per cent in the cities.

## Troubleshooting protocols

Field force engineers typically make the rounds as per a proactive schedule across a network, visiting cell sites (base transceiver stations), taking measurements and ensuring infrastructure on site, whether antennas, power amplifiers, cabling and connectors and base station units themselves are all operating as they should. At other times, if network alarms arise, such field force engineers will be deployed reactively to fix a problem.

When it comes to more remote and isolated, often autonomous community networks providing communications for isolated populations and enterprise work forces too remote to be linked by extension to any main core mobile network, these installations still comprise infrastructure of one kind or another that needs to be maintained.

Towers, antennas, switches, BTS, amplifiers, cabling and often VSAT installations and dishes to effect satellite backhaul into the main network and beyond all need regular checking to ensure service quality.

## Case study: Gilat Satellite Networks

For one leading player providing end-to-end satellite-based broadband communication solutions in the remote communications space, Gilat Satellite Networks, making sure its installations are running smoothly is a crucial part of its offering. The company can deploy its managed services teams to maintain and even operate its infrastructure to ensure different

Even on remote network installations, infrastructure, such as VSAT dishes need field engineers to test and maintain them to ensure QoS.



Photograph: Gilat

stages of a satellite network life cycle are optimised.

Gilat's Professional Service portfolio relies on its own field engineers to help end users prepare for network growth and implement required changes, such as link budgets, parameter revisions, frequency plan revisions, satellite and antenna changes and RF equipment expansions, as required.

For individual communities, or even enterprise groups, this takes a major weight off their minds and allows them to focus on their own core priorities.

## Inspection and repair services

The company provides inspection services in the form of in-depth assessments of a client's network, its sub-systems and software and can

deploy experienced field managers who can also supervise local teams on site to ensure smooth and reliable network deployment.

There are also engineers available to deliver skills and procedures necessary for repairing common failures of infrastructure and components. Its advanced replacement parts plan is designed to reduce downtime to the absolute minimum and guarantee that emergency replacements are shipped at the shortest notice, no matter how remote the location, which is very important for many African clients.

## The importance of being proactive

Gilat's engineers will periodically inspect important elements and sub-systems of the satellite network ensuring optimum performance and reliability of services. By doing so, potential and existing problems can be identified before they affect system performance and service availability.

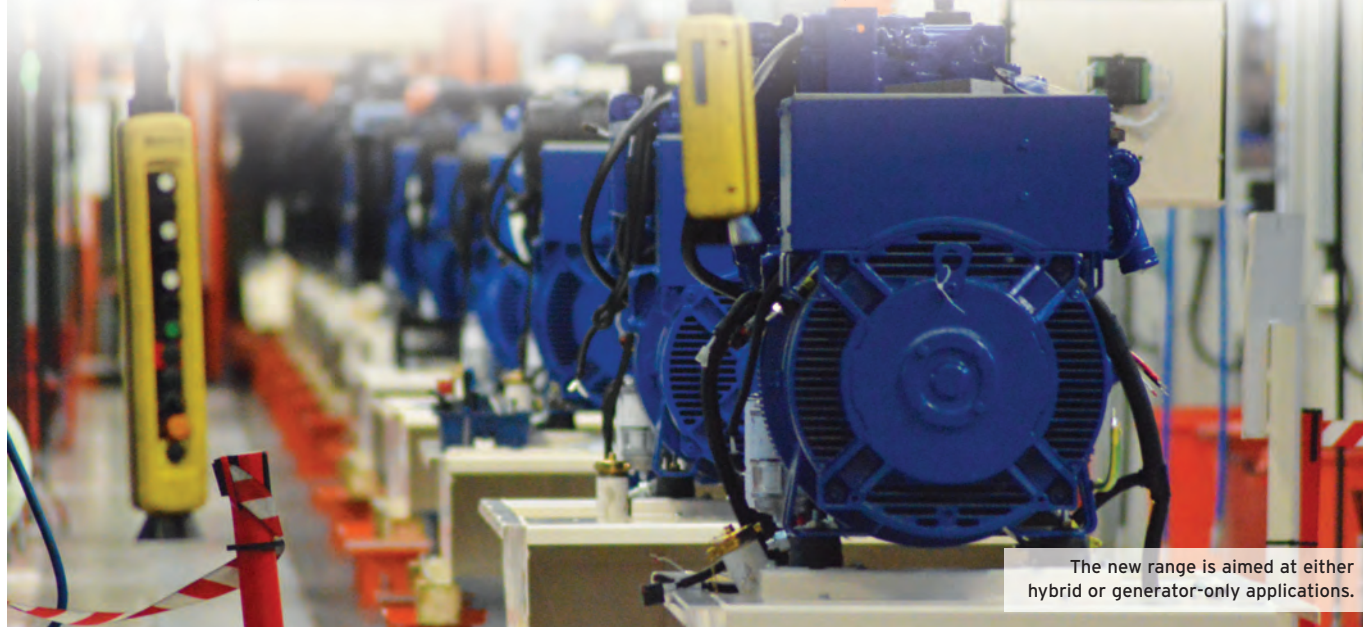
Proactive efforts don't stop there and traffic monitoring and analysis of current and emerging trends can also result in substantial savings in network resources and identifying potential problems before they manifest themselves completely. ©

**“For individual communities and enterprise groups, a good professional services provider allows them to focus on their own core priorities”**



# FG Wilson launches new generator set range for telecoms

Diesel generator set brand FG Wilson marked 50 years in business this year and has just launched a new 6.8 - 25 kVA range designed with telecoms users in mind. Michael Milligan, FG Wilson account manager talked with us about FG Wilson and the new range



The new range is aimed at either hybrid or generator-only applications.

**F**OUNDED IN 1966, FG Wilson was among the first to bring mass-scale production to generator sets, launching self-contained generator sets which were simple to buy and operate and were easy to install. The brand is now a major player in the global market for generator sets installing over 600,000 since 1990 alone, with a total installed capacity of almost 90GW - more than the total installed mains electricity capacity of a country like the UK.

The new 6.8 - 25 kVA range is among several new products being launched this year, and says Michael, its design and development have been in close partnership with customers, "First and foremost, this is a very customer-defined product. We spent a great deal of time simply talking with our customers and dealers and working through issues together to understand what was important."

"There was a real focus on product operating costs and this has led to a packaged generator product which is ideal for telecoms users, or indeed for any customer who operates at sites which are remote or difficult to access."

The new range is aimed at either hybrid or generator-only applications. To reduce operating costs, site visits for maintenance and fuel replenishment, the range offers 1,000 hours between service intervals, and

comes with set-mounted fuel tanks of up to 2,000 litres. The ability to monitor generator sets from the Telecom NOC maximises uptime and allows preparation for site visits minimising servicing costs and ensuring that site visits are effective.

**"There was a real focus on product operating costs and this has led to a packaged generator product which is ideal for telecoms users."**

**Michael Milligan,  
FG Wilson account manager**

The product options list includes a flexible range of enclosures offering three levels of sound attenuation to help ensure that it meets local noise regulations and also mean that customers can choose the enclosure which is right for their needs.

Control systems played a big part in product design. Michael says, "We have incorporated a great deal of flexibility into control systems and remote communications to ensure that our generator set integrates seamlessly with any hybrid system. And we are partnering with several established hybrid manufacturers to confirm compatibility and ensure efficient and

fast deployment of our products on site."

As with all FG Wilson products, the new range has been tested and validated at FG Wilson's Lame facility in the UK, a US\$26mn Centre of Excellence which also houses Europe's largest Hemi-Anechoic Chamber for noise testing. Here, all FG Wilson products are put through intense pre-launch testing which include vibration, engine/alternator cooling, electromagnetic compatibility, noise, water ingress and rating/transient performance.

Michael emphasises on the importance of this, "We are a volume manufacturer and we take reliability extremely seriously. We know from past experience that rigorous upfront design, testing and validation lead to superior reliability throughout a product's lifetime and that this can save customers a substantial amount of money over time. That reliability is also underscored by FG Wilson's global network of more than 400 dealers who offer automotive industry levels of service starting with product selection through to installation and a lifetime of support. They're trained by us and supported by our parts system which stocks over 11,500 parts and delivers three million parts a year, not only for our current products but also for legacy products."

The new range is now available to order from FG Wilson. For more details, please check [www.fgwilson.com](http://www.fgwilson.com) or from a local FG Wilson dealer. ©

# Wireless and secure in South Africa

With more than 65 murders per 100,000 of the population recorded for Cape Town in 2015, it places the city among some of the most dangerous places in the world for crime. This makes security a huge priority for home owners and businesses alike. Tim Guest reports.

**F**OR MANY BUSINESSES and householders, safety at work and safety at home is a state only achieved through the building of high walls, burglar bars and electric fencing.

Premises and personal panic buttons, linked directly to police or armed response units, all of whom are licensed to carry and use firearms, are now the norm in many parts of South Africa.

## Disturbing crime figures

The new figures from the South African Police Service (SAPS) show murder and attempted murder rates to have increased by 4.9 per cent and 3.4 per cent, respectively (more than 30 per cent of murdered men and more than 50 per cent of murdered women are killed in their own premises).

Combine this with the increased rates of non-residential and residential robbery at +2.8 per cent and +2.7 per cent, respectively and these statistics concentrate the mind regarding security for people and property.

To live the quiet life at home or at work in South Africa, premises and personal security has to be taken seriously.

## The business of safety in South Africa

It's no wonder that the private security sector is big business in South Africa with big-brand players, such as ADT, Honeywell and Bosch, to name just a few, actively working directly, or through widespread sales and re-seller channels, to deliver security solutions – many of them based on wireless technologies.

## Personal devices on the market

One item increasingly being worn by more and more women and schoolchildren in particular is the individual panic button. Honeywell Security in Modderfontein, Johannesburg, supplies the 5802 WXT Wireless Personal Panic Transmitters as one-button and 2 two-button transmitter versions.

Powered by a lithium battery, they're waterproof and can be worn around the neck,



Photo: Dan Baxter/Flickr

Armed response security signs are a common sight across Africa and wireless technology is making the services more effective.

on a wristband, as a brooch, or belt buckle. They operate through the company's 5800 wireless system as "fully supervised" transmitters.

## Residential solutions

Honeywell also provides a range of other wireless technologies for reliable residential intruder solutions that are quick and easy to install, including the Domonial monitored wireless intruder alarm system with integrated image and audio capabilities.

The company says it provides a faster response to intrusions and reduces false alarms with alarm verification. It operates using a single range of wireless sensors covering intrusion, life safety and environmental protection. It includes a wireless visual and audio verification feature, which allows the alarm receiving centre operator to see and hear what is happening if an alarm is activated.

## Commercial and industrial sites

With its South African headquarters in Midrand, Bosch provides a wide range of wireless systems for commercial security at airports and industrial sites from video security to intruder alarms.

In residential applications to company supplies a wide range of motion detector sensors, such as the DSRF Premises Wireless, for indoor and outdoor use, some of which act as both receivers and transmitters depending on the application.

Its Radion products offer LP solutions for door and window security with reed contacts; they transmit if contact is broken.

ADT is one of the most prolific security specialists in South Africa with branches all over the country offering the widest range of fully managed services and wireless systems, from panic buttons to indoor/outdoor sensors. Their yellow and blue signs are a familiar sight on many properties across the country.

ADT's Home Automation uses an app for customers to remotely arm and disarm their home alarm systems wirelessly, monitor live CCTV feeds and receive instant alerts. ©

**Honeywell has a system with a wireless visual and audio verification feature, allowing the alarm receiving centre operator to see and hear what is happening**

# Améliorer les opérations de recherche et de sauvetage dans l'océan Indien

L'Île Maurice et l'Australie ont fait équipe afin d'améliorer leurs capacités en matière de recherche et de sauvetage dans la région de l'océan Indien, suite à la disparition de l'avion de la Malaysian Airlines MH370.

L'ÎLE MAURICE ET l'Australie ont élargi une initiative commune visant à améliorer leurs capacités de recherche et de sauvetage (R-S) à travers l'océan Indien.

Cette région s'est retrouvée sous les feux des projecteurs il y a deux ans de cela, suite à la disparition de l'avion de ligne malaisien MH370 en 2014.

Les recherches en vue de retrouver l'avion disparu ont mis en lumière les défis logistiques et techniques très importants qu'implique la mise en place d'opérations de R-S couvrant une zone si étendue et si reculée.

L'initiative commune comprend un cours de développement des opérations de R-S en vue d'une intervention plus efficace en cas de situations de détresse maritime et aérienne dans la région.

La formation fait partie d'un programme de partenariat en matière de capacités R-S plus étendu, fruit d'une collaboration entre l'Autorité australienne de sécurité maritime (Australian Maritime Safety Authority (AMSA)) et ses agences homologues au Sri Lanka, à l'Île Maurice et aux Maldives.

Le programme sera financé jusqu'en 2017 à hauteur de 2,6 millions \$ par le ministère australien des Affaires étrangères. Cette initiative de trois ans comprend une formation dans les systèmes de R-S, des voyages d'échange du personnel à destination de l'Australie, des exercices et des ateliers conjoints, et l'élaboration et l'installation de systèmes R-S clés.

Le premier cours de formation de deux semaines a commencé à la fin septembre à la Mauritius Maritime Training Academy à Pointeaux-Sables, chapeauté par Dan Gillis, officier supérieur R-S chez AMSA, qui a joué un rôle de premier plan dans les opérations de recherche du MH370.

S'exprimant lors de cet événement, le haut-commissaire adjoint australien Volkan Alasya a déclaré que les événements tragiques tels que la récente disparition de l'avion de la Malaysian Airlines MH370 soulignaient



L'Île Maurice a établi un partenariat avec l'Australie sur la sécurité maritime

l'importance « d'une collaboration et d'une coordination accrues » entre tous les partenaires régionaux.

Le Boeing 777 a disparu au mois de mars 2014 alors qu'il effectuait un vol de Beijing à Kuala Lumpur avec 239 passagers à son bord.

« Nous sommes reconnaissants du soutien et de la coopération en continu dont les autorités mauriciennes ont fait montre vis-à-vis de l'Australie et de la Malaisie à cet égard » a-t-il déclaré. « L'Australie s'engage à œuvrer avec les pays partenaires afin de promouvoir la sûreté et la sécurité maritimes comme moyens d'encourager et de protéger le commerce et la croissance économique ».

Le ministre de l'Économie océanique, des Ressources marines, de la Pêche, de la Navigation et des Îles extérieures M. Premdutt Koonjoo a également assisté à l'inauguration de ce cours auquel ont assisté des participants issus de tout un éventail d'organismes officiels locaux, notamment de la Division de la navigation du ministère de l'Économie

océanique, des Ressources marines, de la Pêche, de la Navigation et des Îles extérieures ; du département de l'Aviation civile ; de la Garde-côtière nationale ; du Centre national de gestion de réduction des catastrophes et des risques et des Services radio de l'Île Maurice.

Dans son discours d'inauguration, le ministre Koonjoo a déclaré que l'Île Maurice bénéficierait grandement de l'expertise de l'Australie en matière de recherches et de sauvetage. Il a également souligné l'obligation du pays de fournir des services de R-S en tant que pays signataire de la Convention internationale pour la sauvegarde de la vie humaine en mer et de la Convention internationale sur la recherche et le sauvetage en mer.

En tant que pays fortement dépendant du commerce international, le secteur maritime et de la navigation joue un rôle de prime importance dans l'économie mauricienne, soulignant sa valeur potentielle dans les opérations R-S régionales à travers l'océan Indien.

Malgré des recherches de grande envergure réalisées dans la partie sud de l'océan, aucune trace du MH370 n'a été découverte avant que l'épave ne s'échoue sur l'Île de la Réunion au mois de juillet 2015, à plus de 3 700 km du principal site de recherche. ©

**L'Autorité Australienne de sécurité maritime (AMSA) a collaboré avec des agences homologues au Sri Lanka, à l'Île Maurice et aux Maldives**

# Internet broadcasting overcomes bandwidth hurdles

Despite low Internet speeds and surging competition, global companies are eyeing the African continent for better business opportunities.

**T**HE RISE IN Africa's Internet broadcasting sector is progressing despite the real impediments stemming from comparatively low rates of broadband connectivity. According to recent data from the UN's International Telecommunication Union (ITU), more than half of the world's population – 3.9bn – are still not yet using the Internet. And the problem is particularly acute in Africa. Only 15.4 per cent of households in the continent have Internet access, compared with 84 per cent of households in Europe. An added disadvantage is that bandwidth in Africa is low in comparison with the most developed regions. Only about 10 per cent globally have access to an Internet speed of 10Mbps – the minimum necessary for a successful 1080p stream. And in Africa that percentage drops to a vanishingly small number.

With abysmally low Internet speeds and too many competing platforms and technologies, the expansion in Africa's Internet broadcasting sector is surprising. Kenya, which is at the forefront of Internet broadcasting in the East Africa region, has an impressive 87.2 per cent

internet penetration rate. And more than 78 per cent of the country's population enjoys access to 3G services. Nairobi-based Royal Media Services (RMS) has 14 radio stations as well as the free-to-air Citizen TV ([citizentv.co.ke](http://citizentv.co.ke)) that also broadcasts over the Internet. Citizens TV now boasts a total reach of 45 per cent of Kenya's market share. And its reach is expanding at the expense of the traditional media. The result of this expansion in Kenya and elsewhere in the region is that the traditional media companies are struggling to keep up.

This July – in a move that shocked East Africa's media industry – Kenya's Nation Media Group (NMG) announced that it was no longer able to compete with Internet news media. In a letter to employees the company said that it would shut down three of its radio stations and one television channel. Over the past year, the price of NMG shares has fallen by 27 per cent. And revenues for 2015 have declined by seven per cent, compared with 2014. This September Joe Mucheru, cabinet secretary to Kenya's Ministry of Information, Communications and Technology, warned further transformation can be expected. He confirmed that LTE/4G

services are currently undergoing trials in two cities, which will pave the way towards enhancing broadband penetration and ease Internet broadcasting.

**Kenya, which is at the forefront of Internet broadcasting in the East Africa region, has an impressive 87.2 per cent Internet penetration rate.**

Elsewhere, Gabon Telecom is rolling out fibre-to-the-home (FTTH) and fibre-to-the-building (FTTB) networks in the capital city Libreville. The FTTH network supports download speeds of up to 50Mbps, which is more than adequate for Internet broadcasting. And in Cameroon, MTN has expanded its long-term evolution (LTE) network, thereby enabling 53 per cent of the population to have access to 4G service. By 2018, high speed mobile data coverage is expected to reach 75 per cent of the country's population. Meanwhile, religious content is a growing staple of Internet broadcasting across Africa. And in October the Los Angeles-based Truli Media Group announced that Africa's Faith Broadcasting Network is set to launch on-demand programming and two streaming channels on Truli.com.

In West Africa, Nigeria's award winning Channels Television ([channelstv.com/live](http://channelstv.com/live)) – the first Nigerian broadcaster to stream its television programming live for 24 hours – is in the vanguard of Internet broadcasting. Recently, it signed a partnership agreement with the German broadcaster Deutsche Welle and an MoU with the UN on news coverage. And this year, it launched Channels Mobile a news app for android device owners.

Although terrestrial, cable and satellite networks will still be the backbone for radio and TV in Africa for many years to come global IT company, Cisco, sees wide spread broadband Internet access (mobile, fixed including WLAN extensions) having an increased impact on the continent's broadcasting options. ©

– By Nnamdi Anyadike



Internet use is growing and with it, digital advertising is becoming an established and growing category of spend, particularly for international brands in Africa. (Photo: Matthias G. Ziegler/Shutterstock)

# Les séquelles du couvre-feu numérique gabonais

Bien que les services Internet du pays aient à présent été rétablis, les retombées des élections contestées du Gabon se poursuivent.

**L**A CENSURE DE l'Internet par le Gabon après des élections controversées fin août n'a rien fait pour museler les vives contestations dans la rue. Alors que la colère des manifestants grondait à l'extérieur, les responsables ont bloqué l'accès à Internet et aux médias sociaux dans le but de réprimer une opposition croissante. Le couvre-feu Internet a été largement condamné bien que le gouvernement gabonais ait nié avoir bloqué les services après l'élection.

Le scrutin fortement contesté a abouti à la réélection du Président Ali Bongo pour un deuxième mandat le 31 août, un résultat qui a suscité des allégations de fraude électorale de la part de l'opposition et des vagues de protestations dans les jours qui ont suivi. Plus de mille personnes ont été arrêtées, l'édifice abritant le Parlement a été en grande partie brûlé et plusieurs décès sont également à signaler.

**Quelques 200.000 personnes sur la population de 1,6mn du Gabon sont estimées avoir été empêché de se connecter pendant la période électorale sensible**

Bien que le calme règne de nouveau dans les rues du pays après que la plus haute cour du pays a rejeté l'appel de l'opposition en faveur d'un nouveau dépouillement en septembre, les répercussions continuent. À la mi-octobre, un médecin qui a soigné les blessés pendant les violents événements et a documenté les victimes a été détenu par les autorités. Sylvie Nkoghe-Mbot a été arrêtée dans un hôpital de Libreville alors qu'elle rendait visite à des victimes blessées pendant les affrontements post-électoraux.

Les services Internet ont toutefois été rétablis, bien que la coupure sans précédent ait déclenché la sonnette d'alarme parmi les observateurs de la censure à travers le monde. D'après la société de gestion des performances Internet Dyn, la coupure Internet gabonaise a duré quatre jours, suivie d'un couvre-feu



Le service Internet du Gabon a été restauré à nouveau. (Photo: ArtWell)

assorti d'une utilisation limitée à certaines heures de la journée. D'après les estimations, quelque 200 000 personnes sur les 1,6 million d'habitants que compte le Gabon n'auraient pas pu se connecter à Internet au cours de la période électorale sensible.

L'ONG Internet sans frontières a déclaré à cette époque que la bande passante avait été réduite à un quart de sa capacité habituelle. « Vous imaginez le trafic que cela a occasionné » a déclaré l'avocate de l'ONG Julie Owono. Ceci s'est traduit par des difficultés à partager des mises à jour en temps réel sur WhatsApp et d'autres sites de messagerie, et la quasi-impossibilité d'envoyer des vidéos (qui utilisent davantage de données). Bien que certains utilisateurs férus de technologie aient pu contourner le blocus, la majorité s'est retrouvée isolée a-t-elle ajouté.

Bien sûr, la censure de la communication n'est pas l'apanage exclusif du Gabon – nombreux sont les autres pays dans le monde qui limitent ou bloquent l'accès à des sites et des services - mais cela représente un nouvel outil politique important afin de gérer les

moments susceptibles d'être jugés sensibles ou préjudiciables pour les autorités.

Les élections se sont avérées être une épreuve difficile pour un pays qui n'est pas habitué à la transition politique. Bongo en est devenu le leader en 2009 à la mort de son père qui avait régné en maître sur le pays pendant 42 ans. Cette victoire électorale lui offre un septennat supplémentaire.

Les revendications de truquage des élections par l'opposition pourraient bien être fondées, la France appelant à un nouveau dépouillement et l'Union européenne citant des anomalies dans la province du Haut-Ogooué, fief de Bongo.

Les choses reviennent cependant progressivement à la normale dans cet État d'Afrique de l'Ouest habituellement pacifique. Début octobre, le Premier ministre Emmanuel Issozet Ngondet a nommé le nouveau gouvernement, et les locaux sont à nouveau libres de faire des recherches sur Internet pour des raisons professionnelles, éducatives ou sociales, mais pas pour y exprimer leurs opinions politiques semblerait-il. ©

## GIN launches Africa-based satellite solution

PAN-AFRICAN TELECOMMUNICATIONS SERVICE provider Gondwana International Networks (GIN) has launched Source, a fully managed, virtual network satellite operator service. The service is aimed at telecoms and Internet service providers and will be rolled out across sub-Saharan Africa on the first Jupiter hub in Africa, which is owned and operated by GIN.

Gondwana has partnered with global satellite provider Intelsat and according to Mathew Welthagen, CEO at GIN, this will bring cost-effective satellite connectivity to Africa. "Our collaboration has resulted in the establishment of the first Hughes' Jupiter hub in Africa. We have more than 15 years of hands-on VSAT operational experience, making us well positioned to deliver a new era of satellite services to Africa," he said.

Source will allow VSAT operators to focus on service provision and customers, not on network infrastructure, GIN said. Ground support and network management services will be run from GIN's facilities at Hartebeesthoek in South Africa. This is expected to bring immense benefits such as African traffic being landed in Africa, lower latency and secure backhaul. "The location is also a national key point and has multiple levels of security and redundancy," Welthagen said.

Source will enable the iWayAfrica group to offer virtual network operator (VNO) services to telecoms operators and ISPs, lowering the traditional barriers to entry to 5Mbps with no stepped function for further capacity.

Regional multi-national businesses with branches across multiple territories, will benefit from the minimum capacity requirements for designing network failover, and managing ERP data reporting back to head office.

Source offers two options to operators and ISPs; Raw Capacity and



GIN has partnered with Intelsat to roll out the service in sub-Saharan Africa. (Photo: zhu difeng/Shutterstock)

Managed Service VNO. The former offers provides the operator with full access to a VNO on the Jupiter Hub and the ability to architect and manage its own services. Operators will typically deploy their own packet shapers, provisioning and billing systems.

The Managed Services VNO on the other hand is where the operator contracts capacity on a VNO on the Jupiter Hub, but GIN manages the VNO, creating bespoke services in a closed dedicated bandwidth pool. The operator is not required to have in-depth knowledge of VSAT design, and can leverage off GIN's Allot packet shapers, and OSS/BSS provisioning and billing platform.

## Expanding DSTV platform in sub-Saharan Africa

IN WHAT HAS been described as a move to prepare for digital migration across the continent, Eutelsat Communications and video entertainment company MultiChoice Africa have signed a nine-year contract for the expansion of the MultiChoice DSTV platform at Eutelsat's 36 degrees East video neighbourhood. The new contract for a transponder was signed at IBC in Amsterdam and aims to reinforce the longstanding relationship between MultiChoice Africa and Eutelsat. It is expected that the new deal will further anchor 36 degrees East as a

premier location for digital video entertainment services in Africa.

MultiChoice broadcasts the DSTV pay-TV platform over the Eutelsat 36 degrees East neighbourhood that provides reach of the 38 countries in sub-Saharan Africa.

Commenting on the development, MultiChoice Africa CEO Tim Jacobs said, "Thanks to the additional capacity booked with Eutelsat we will be able to accelerate our services and live up to our brand promise of delivering a great customer

experience through providing the best possible video entertainment service in Africa marked by quality and choice."

The new agreement will complement the recent launch of Intelsat 36 for MultiChoice to extend high definition channels throughout the African region. Eutelsat emphasised that the contract further anchors its cluster of high-power satellites at 36° East as a point of reference for broadcasting in sub-Saharan Africa.

Describing the significance of the deal Rodney Benn, Vice President of International Key Accounts for Eutelsat in English West Africa said, "Terrestrial infrastructure has its limits when it comes to covering a continent which is 30mn sq km and where 50 per cent of the population lives in rural areas. This creates significant opportunities for satellites that deliver seamless coverage across large geographic areas for broadcast and broadband services that leave no one beyond the benefits of digital. Africa's ongoing move to a fully digital broadcasting environment is one of the key technology transformations underway across the continent. With half of our satellite fleet covering this continent, we are fully engaged in supporting digital switchover for viewers across the continent." Following the announcement, competitor company Intelsat has announced its recently launched IntelSat 36 satellite has entered service and will provide broadcasting and direct-to-home (DTH) services for Africa's MultiChoice.

The new contract for one transponder is expected to further enhance digital video entertainment services in Africa. (Image Source: Komkrit Noenpoempisut/Shutterstock)



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# The Bigger, Better, Bolder, AfricaCom

Africa's pioneering technology event, AfricaCom, returns to the Cape Town International Convention Centre in November. With more than 10,000 attendees and 375 exhibitors expected to attend, lucrative opportunities to network abound

For those in the African tech and telco sectors, November is clearly designated as AfricaCom month. For the past 19 years, AfricaCom has been the highlight of the telco and tech professional's calendar and is undoubtedly the biggest and leading event of its kind on the continent. The setting for this year's AfricaCom is The Telegraph's 'Best City in the World': Cape Town, South Africa. It's the African mother city and home to the continent's highest number of tech hubs. Taking place between 14-18 November at the world renowned Cape Town International Convention Centre, the focus of this year's event is the economic development and social empowerment of Africa through digital connectivity. The show will welcome more than 10,000 attendees through its doors. They will hear from more than

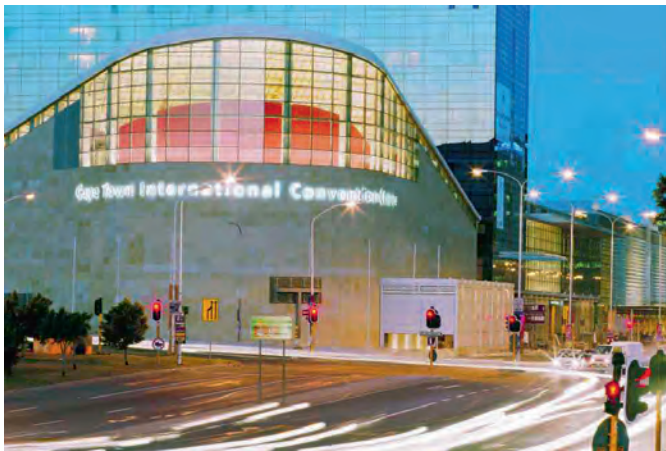
350 visionary speakers and some of the biggest names in telco and tech who will deliver keynote addresses and insights centring around Africa's most pressing topics and challenges. From embracing IoT and smart cities in an African context, to the potential of monetising data through analytics and customer insights, the event will also shine a light on greater financial inclusion through mobile innovations and agile IT for enterprises. Engaging digital entertainment content in an African context, from television to music, gaming and apps, will also be discussed through a host of case studies and keynote panels. This year, AfricaCom boasts a dedicated SDN and NFV Proof of Concept stream focusing on key solutions for African connectivity service providers, the essential phases of migration to NFV, as well as leveraging the synergies of SDN and NFV. Some of the leading figures attending AfricaCom 2016 include Thione Niang, co-founder of Akon Lighting Africa; Brian Armstrong, group chief commercial officer at Telkom; Dr Abdoukarim Soumaila, secretary general of the African Telecommunications Union; Jannie van Zyl, head of innovation at Vodacom; and Bruno Mettling, CEO of Orange Middle East and Africa. One of the most exciting additions to this year's event is the 'AFest', a one-day festival with performances from Africa's most prominent musicians and bands. Taking place at Shimmy Beach Club on Cape Town's V&A Waterfront on 15 November, AFest is an evening of networking and a celebration of African technology. Three headline acts have already been confirmed,

including the jazz and house trio Mi Casa and the indie kwela cross-over band Freshly Ground. The night will end with the internationally renowned DJ and producer Black Coffee, sending home-brewed tunes across the mother city.

## Tech-headly changes

AfricaCom has undergone a massive transformation in recent years, as it looks to remain at the forefront of unique and dynamic markets across the globe. Africa has been the home to a multitude of home-grown and perfected innovations that have sown the seeds for the region to become a truly digital continent. Already termed the 'mobile continent', Africa has developed in leaps and bounds in the areas of mobile money, M-Health initiatives, apps and local digital entertainment. In the process, it has grabbed the attention of the world's greatest tech leaders, from Zuckerberg to Gates. The African telco sector is projected to be worth US\$65bn by 2018 and Africa is proving to be fertile ground where opportunity, investment and innovation are concerned. AfricaCom is looking to elevate these sectors, showcase successes and growth, debate solutions and best practice, and enable a more cohesive ecosystem for collaboration between private and public entities. To this end, the event has been extended from the usual two-day model, to a week-long festival of informative sessions, immersive satellite events and unique networking opportunities that the African tech space has never witnessed. To purchase a ticket and package, claim your free delegate pass, or find out more about sponsorship opportunities, check out: [tmt.knect365.com/africacom&](http://tmt.knect365.com/africacom&) ©

**"AfricaCom has undergone a massive transformation in recent years, as it looks to remain at the forefront of unique and dynamic markets across the globe"**



AfricaCom 2016 will take place at the Cape Town International Convention Centre.

Photo: VDMMA



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### Kaspersky dope le pack sécurité Internet Nigérian

L'EXPERT EN LOGICIEL antivirus, Kaspersky Lab, a lancé son fleuron en matière de sécurité, Kaspersky Internet Security Multi-Dispositifs au Nigéria. Le service multidispositifs protège les utilisateurs Windows, Mac et Android contre les logiciels malveillants, les sites dangereux, la surveillance en ligne, la fraude et le vol d'argent. Il comprend des mesures supplémentaires variées, comme celle qui permet aux utilisateurs de protéger leurs données des interceptions pendant une connexion Internet publique grâce à Secure Connection. Il peut également « boucher les trous » potentiels de la sécurité d'un dispositif grâce au logiciel de mise à jour et de nettoyage. Riaan Badenhorst, directeur de Kaspersky Lab, Afrique, a dit qu'un utilisateur éclairé en vaut deux. « Les utilisateurs éclairés sont des utilisateurs prudents en ligne. Ils sont aussi prêts à utiliser les technologies dernier cri pour protéger ce qui est le plus important pour eux, que ce soit des informations personnelles, des fichiers, leur vie privée, leurs dispositifs ou pour avoir l'esprit tranquille à propos des membres de leur famille » a-t-il dit. « Nous faisons tout notre possible pour offrir à l'utilisateur ces possibilités avec chacune des nouvelles versions de nos solutions. »

### Emerson lance un nouveau dispositif portable

EMERSON AUTOMATION SOLUTIONS a introduit un nouvel instrument portable pour son marché africain pour assister le personnel de processus et maintenance, sur le terrain.

L'AMS Trex Device Communicator – un modèle robuste, intuitif qui accroît l'efficacité de la maintenance – est construit pour les environnements hostiles, les chutes brutales et les longues journées, a déclaré la société basée aux États-Unis. Sa conception centrée sur l'utilisateur propose une interface graphique basée sur les tâches rendant ainsi le diagnostic et les activités sur site plus compréhensibles et plus faciles à accomplir. Son large écran couleur tactile s'ajuste en fonction de la lumière ambiante et offre une assistance dans les zones trop ou pas assez lumineuses, là où d'autres instruments sont difficilement lisibles.

« Grâce au Trex Communicator, les techniciens peuvent travailler avec plus d'efficacité sur le terrain – avec moins d'outils – quel que soit l'endroit où ils se trouvent » dit Duncan Schleiss, vice-président, marketing solutions fiabilité. En utilisant les logiciels embarqués Foundation Fieldbus et HART du Trex Communicator, les techniciens peuvent isoler les problèmes et exécuter les réparations alors que l'instrument continue de fonctionner. Ceci veut dire que de simples problèmes peuvent être résolus immédiatement en évitant d'interrompre les opérations. Les outils de diagnostic boucles et segments permettent à l'utilisateur de valider les caractéristiques de segment boucle et Fieldbus pour identifier rapidement les problèmes tandis que l'appli ValveLink Mobile permet aux techniciens d'analyser facilement les résultats des diagnostics de valve sur le large écran du communicateur.



Photo: Emerson Automation Solutions

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