

Paratus Group Overview.

YOU'VE GOT IT



PARATUS
Always Prepared

Why Paratus?

Paratus is Africa's quality network. With an unrelenting belief in the potential of Africa, and a commitment to unlimited business success and connectivity, the Group is investing in infrastructure and establishing itself as a key player in delivering integrated network services across Africa.

Paratus is managed by a passionate and professional operational team in seven African countries – Angola, Botswana, Democratic Republic of Congo, Mozambique, Namibia, South Africa, and Zambia. The business's extended network provides a satellite connectivity-focused service in more than 30 African countries and to thousands of remote customer connections in Africa. This connects African businesses across the continent and delivers end-to-end service excellence. The Group's footprint extends beyond Africa to international PoPs (Points of Presence) in Europe, the UK and the USA.

Born and bred in Africa, Paratus is continually redefining limits and breaking boundaries to provide a service that works without compromise and sets the bar for providing quality connectivity in Africa.



Cloud Services



Data Center Services



Fiber



Connectivity Services



VSAT Services



Wholesale



Voice Services



SD WAN

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Group Overview

Paratus is Africa's quality network. With an eye on the future, the group is investing in infrastructure and establishing itself as a key player in delivering integrated network services across Africa.

Paratus currently has offices in seven African countries – Angola, Botswana, DRC, Mozambique, Namibia, South Africa, and Zambia – with an extended satellite network in more than 30 African countries to a magnitude of customer satellite connections across Africa.

As a customer-focused and passionately committed company, Paratus is thinking big when it comes to delivering world-class quality connectivity in Africa.

Paratus - Always Prepared



“At Paratus we believe in doing things differently and doing it right the first time. Not just for the sake of being different but for the benefit of our customers.”

Barney Harmse- Group Executive Chairman

Group Structure

Paratus is Africa's quality network. Born and bred in Africa, Paratus has an unrelenting belief in the potential of the continent, and a commitment to unlimiting business success and connectivity.



The group is investing in infrastructure and establishing itself as a key player in delivering integrated network services across Africa.

Our African footprint includes:

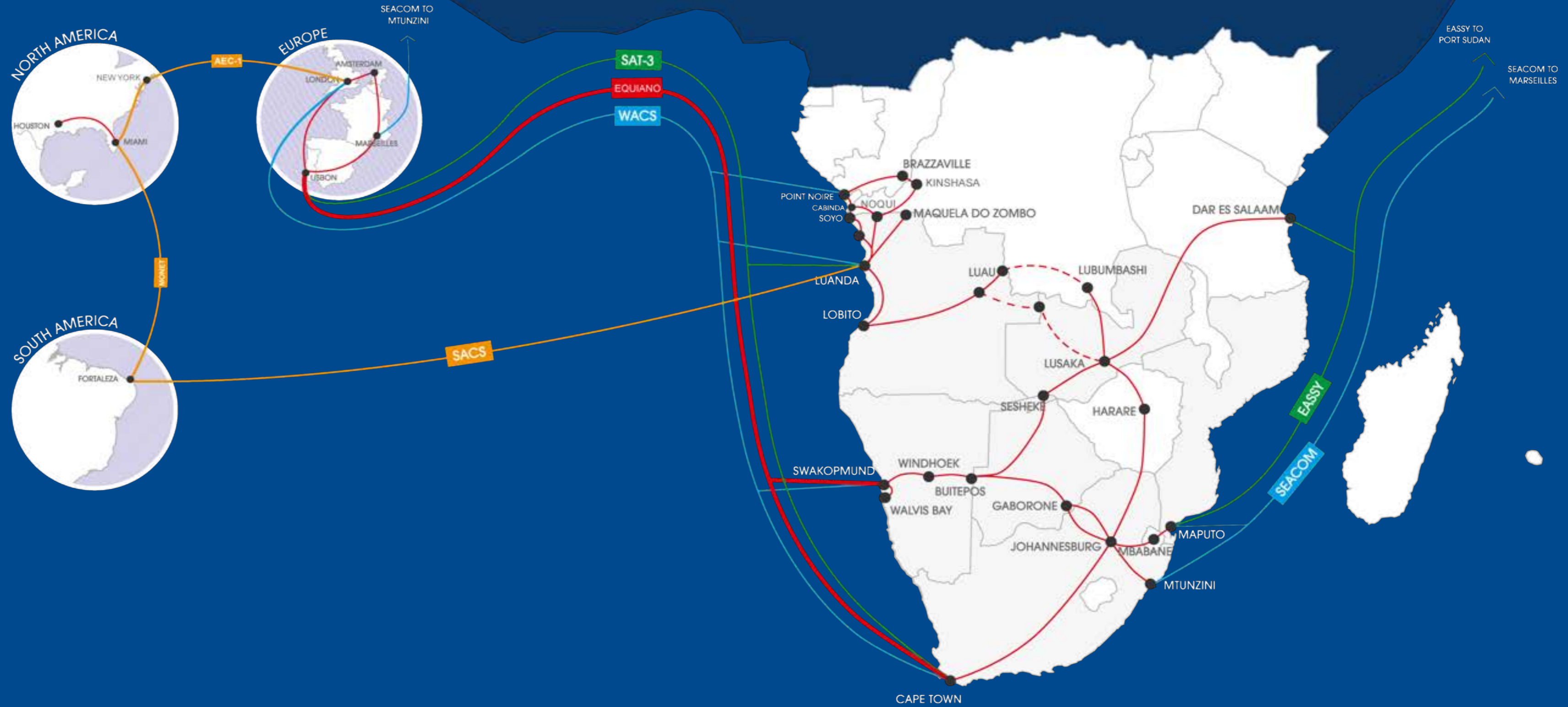
- Offices in 7 SADC countries - Angola, Botswana, DRC, Mozambique, Namibia, South Africa, and Zambia;
- 4 Data Centers;
- 5 Satellite teleports with 6 000 customer sites;
- the Equiano Cable landing station in Namibia;
- an extensive network through satellite connectivity-focused service in more than 30 African countries that connects businesses across the continent and delivers end-to-end service excellence;
- international points of presence (PoPs) in the UK, Europe and the USA.

Key to Paratus' success is a passionate and professional operational team that continually delivers on the Group's promise to redefine limits and create a service that works without challenges and sets the bar for providing quality connectivity in Africa.



	 ANGOLA	 BOTSWANA	 DRC	 MOZAMBIQUE	 NAMIBIA	 SOUTH AFRICA	 ZAMBIA
Cloud Services	●	●			●		●
Data Center	●				●		●
Fiber	●	●	●	●	●	●	●
Mobile Data					●		
Satellite	●	●	●	●	●	●	●
Voice (VOIP)	●	●			●		
MPLS & SD-WAN	●	●	●	●	●	●	●

Africa Footprint



KEY

EXPANSION NETWORK	EASSY / SAT-3
EQUIANO	SEACOM / WACS
TERRESTRIAL NETWORK	SACS / AEC

Angola

Paratus Angola was founded in 2003 as an internet service provider. It was established to deliver excellent technical services to large corporate clients and is committed to the development of Angola.

Because of its wide variety of customers, it has expanded its portfolio of services and solutions by increasing innovation and ensuring the redundancy of its links. This constant evolution is possible thanks to the experienced and dedicated staff, who are reliable and efficient.

Today it is a provider of total telecommunications service offering innovation, reliability and competitiveness to all its customers. It prides itself by confidently stating that it provides the most reliable global telecommunications service in Angola.

Paratus Angola supports a prolific network providing access via fiber, microwave and satellite from Soyo in the north to Ondjiva in the south.



Botswana

Paratus Botswana was established in 2016 and has been providing business customers with quality and reliable services ever since.

From the onset, they ensured the network unsurpassed uptime through geographically diverse routes in and out of the country. They have invested heavily in their own infrastructure, which is not always the cheapest, but ensures promises are lived up to.

With a full Services, Applications and Network Facilities license, Paratus Botswana are able to offer a range of solutions in the market from Voice, Internet and Data, as well as various value-added services including but not limited to Hosted Services and LAN solutions. The innovative team is able to construct and deliver solutions to support organisations ranging from SME's to Banks and Listed Corporates.

The national network, which utilises both the Paratus network infrastructure as well as aggregated networks from other operators, allows the company, as a relatively young entity, to reach anywhere in Botswana, even the most remote locations, via VSAT solutions.

Leveraging the Paratus international network opens up new options for the Botswana market in terms of International connectivity and services at competitive prices.

Botswana is placed centrally in southern Africa, a strategic position in being able to offer attractive transit routes through the country to Carrier clients.



Mozambique

Mozambique was founded in June 2017 and licensed by the Instituto Nacional das Comunicações de Moçambique (ICNM), the regulatory authority, at the end of November 2017. Spectrum was awarded in February 2018.

It currently has several POPs in Maputo and Matola covering almost 90% of the city and connecting via SEACOM on the east coast of Africa to international POPs in Europe as well via Paratus Terrestrial fiber to Teraco, South Africa the other African operations. Eleven additional POPs are in progress including in the north of the country.

All services are business-oriented and deployed through licensed microwave and fiber infrastructure last mile in Maputo and in the city of Pemba while the rural areas are serviced with VSAT solutions.



Namibia

Paratus Namibia was founded in 2005 and is listed on the Namibian Stock Exchange. It is 100% Namibian-owned and holds a Class Comprehensive Telecommunications Service License (ECS & ECNS).

Paratus Namibia believes that investing in its own infrastructure is critical to remaining competitive, meeting customer demand, and complying with stringent quality of service expectations. By providing national network services through different access technologies and partner networks, Paratus offers resilience and redundancy where always-on connectivity is essential.

With various access technology offerings, from fiber to microwave and Mobile-LTE, Paratus customers can rest assured that the network is stable, reliable and can scale with capacity requirements while providing redundancy, disaster recovery, and route diversity to ensure maximum uptime.

Paratus Namibia also hosts its digital orbit tracking Satellite Earth Station in Windhoek and can connect customers directly to the fiber backbone, thus delivering connectivity nationwide. With a full suite of satellite products, Paratus offers remote customers Internet connectivity, telephony, Point-of-Sale connectivity, and a fully tailored Wi-Fi voucher system for guest lodges and farms.

Paratus Namibia has recently been selected as the landing partner for the Equiano Undersea Cable System and will soon be completing the first-ever vendor-neutral data center in Namibia.



South Africa

South Africa was founded in 2006 as a satellite carrier provider allowing various African countries access to South African content. It is a member of ISPA (Internet Service Provider Association) and holds a full ECS / ECNS Licence.

Through it's presence in South Africa, Paratus can leverage various businesses and technologies on a Pan-African level.

It provides access to various undersea cable systems on both the east and west coast, providing traffic to and from international destinations. It forms a hub in Africa whereby African operations can connect to various content providers as well as interconnecting to various African networks.

Paratus South Africa is an independent provider for last-mile, satellite-based connectivity, and has grown to become a full-spectrum, end-to-end services aggregator, and managed service partner. As industry experts, we specialize in providing VSAT connectivity across South Africa and Africa.



Zambia

Paratus Zambia was founded in 2010 and holds an Internet Service Provider Licence, issued by the Zambia Information and Communications Technology Authority (ZICTA) in 2011.

It has established a network extending to major industrial and commercial centres throughout the country, which interconnects to the other African operations as well as international networks outside Africa.

It also hosts critical backhaul routes for the group by providing entry to South Africa and Botswana via fiber access through Lusaka. This forms a ring network in countries that are operational in southern Africa, thereby interconnecting Namibia, Botswana, Zambia and South Africa.

It has four routes exiting the country for connectivity, providing additional redundancy for customers across the Group: to Lubumbashi (DRC), to Johannesburg (RSA), to Katima Mulilo (Namibia) and to Gaborone (Botswana). The border crossing to Namibia between Sesheke and Katima Mulilo is on the Group's own fiber cable.

The existing infrastructure and commitment to innovation ensures that it is always prepared to provide exceptional connectivity solutions to the corporate sector of the Zambian market.



Wholesale

Paratus provides wholesale bulk connectivity capacity on IP, IPLC and Dark Fiber from the South African caching arena to and from Europe and the USA.

Customers can choose from Lease and IRU (Indefeasible Right of Use) options with direct connectivity to Teraco Data Centres in Johannesburg and Cape Town as well as 7 international across North America and Europe with connectivity options through various east and west African undersea cable systems.

Capacity can be delivered into southern DRC from Zambia and the west of DRC from the northern borders of Angola, as well as Pointe Noire via Cabinda.

Access to Zambia and DRC is transmitted through the new Trans-Kalahari Fiber (TKF) cable starting from the WACS landing station in Swakopmund (Namibia), crossing Namibia via Windhoek to the Botswana border, which then extends onwards to Lusaka and South Africa through Botswana.



Data Centers

In a world where data is gold, how a company protects, manages and secures data is vital in unlimiting their true potential. In line with the Paratus commitment to leading digital transformation in Africa, it's world-class 3-tier equivalent Data Centers, now in Angola, Zambia and Namibia, offer the very best in innovative and world-leading data solutions.

A business can be transformed and moved into the future with a Data Center; one that provides highly secure, always available and fully redundant environments and offer enough flexibility to meet a company's changing needs. The Paratus Data Center facilities are carrier neutral, and offer various physical and virtual hosting services as well as opportunities for Content Delivery Networks (CDNs) to help provide high-availability, faster performance, and security of content within Angola, Zambia, Namibia and the region.

Leveraging the latest physical and virtual security, the Data Center facility ensures secure storage, protection, and management of company data. In addition, it offers modern-age Cloud computing that not only helps businesses enhance operational efficiencies but help cut IT capital and operating costs that are synonymous with on- premise data storage and management.

Moving data off-site to a fully secured Data Center facility not only guarantees enhanced processing and protection of data but also offers redundancies on connectivity, power and cooling. It features fire suppression and security capabilities where traditional onsite set-ups may be compromised.

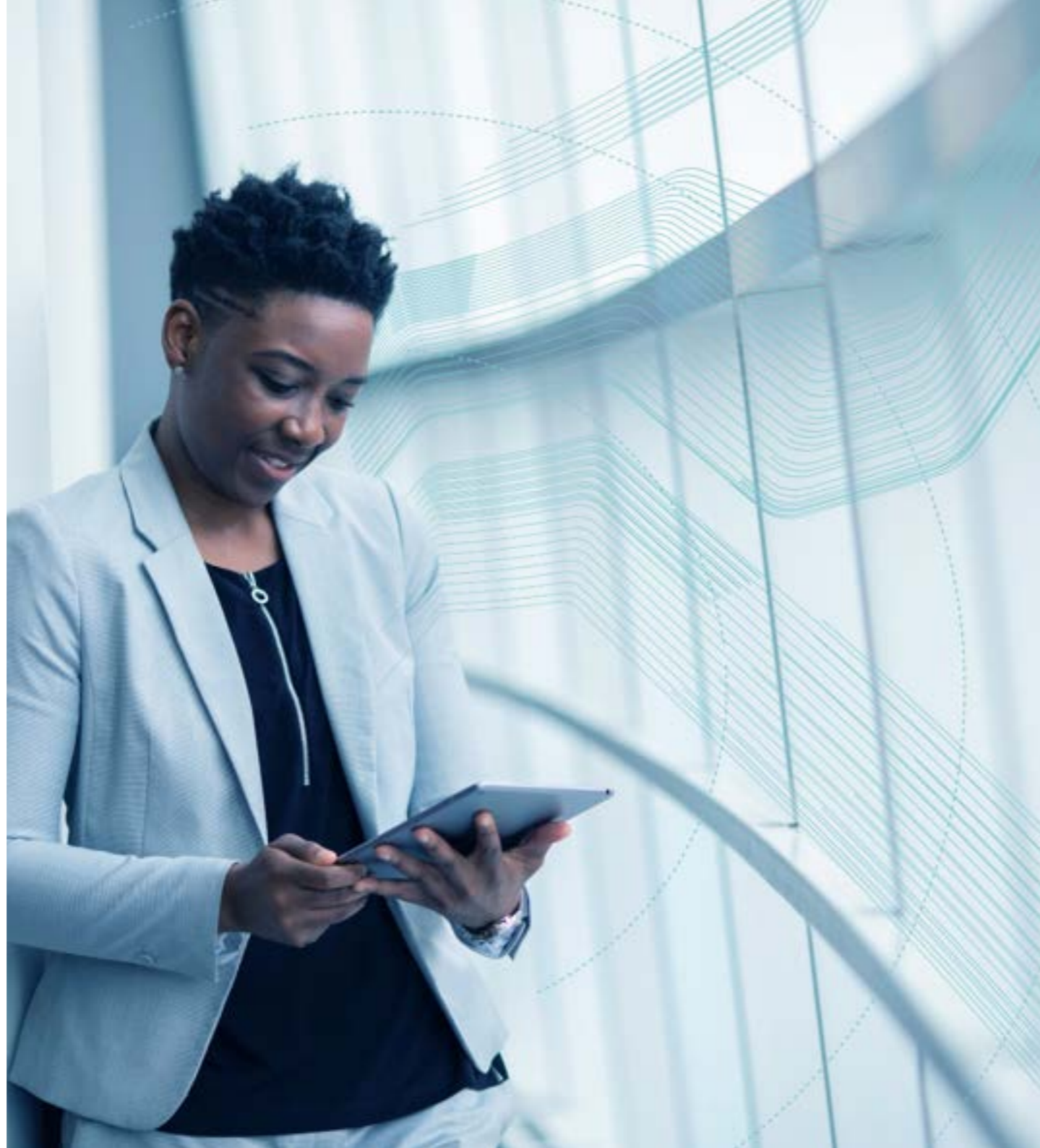


Cloud Services

When a business requires expansion of its data services beyond on-site storage facilities, cloud computing plays a critical role. Cloud computing relies on secure shared resources which can achieve coherence but also economies of scale, thus creating cost efficient off-site storage solutions.

With the advent of Cloud Services and the expansion of almost any conceivable platform in the cloud environment, cloud computing has given way to new methods of product and software delivery. The cost of ownership is no longer a concerning factor in the acquisition of new technologies, where even the most critical business application vendors have conceded to the cloud computing model. Platform and software-as-a-service has become the norm in Cloud Services.

The Paratus Group offers various services as part of its cloud offering. The state-of-the-art Data Centers can host a company's physical equipment or provide a virtual server environment with secure access to company data.



Satellite Services

The Paratus Group currently manages more than 4,000 satellite terminals across 30 African countries running on various satellite technologies, covering the majority of the African continent.

It provides 24/7/365 NOC (Network Operation Center) support to all its customers via Angola, Namibia and South Africa respectively. The group manages its own infrastructure, and through partnerships with the biggest satellite operators, it can supply a multitude of satellite coverage solutions.

It uses the latest technologies from industry leaders and can provide either C, Ku or Ka-Band services to customers.



Features

- 12 beams focused over Africa (pan & sub-Saharan Africa)
- Covering C/Ku/Ka-band solutions
- Teleports across Africa (Own – Angola, Namibia & South Africa)

Markets Serviced

- VSAT
- Mobile
- Maritime
- Government
- Cellular Backhaul
- Trunking
- Oil & Gas
- Financial
- Agricultural

Services Offered

- Capped
- Uncapped
- PAYG (Pay As You Go)
- Fiber backup
- SVNO
- Dedicated services
- Customised Enterprise solutions

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