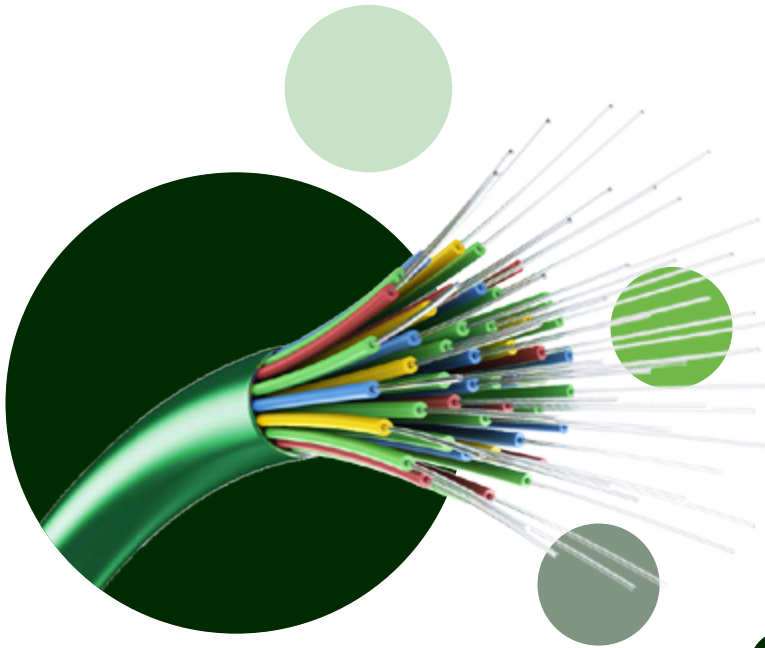


Broadband Infraco



Connect. Growth, UNLOCKED.



Corporate Profile

The **WHOLESALE** provider of choice for **backhaul connectivity**
South Africa's Carrier - Neutral Carrier of Carriers





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UN 3480
LITHIUM ION BATTERIES
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TOP LIFT ONLY 40'

RED
Sistema de Almacenamiento de Energía
Distribuida
Centro de almacenamiento
energético para mejorar la
eficiencia del sistema eléctrico
Proyecto de RED
Red de Almacenamiento de Energía Distribuida



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Mandate

Broadband Infraco's legislative mandate is set out in the Broadband Infraco Act No. 33 of 2007 (the "Act").

The main objectives as set out in the Act are to expand the availability and affordability of access to electronic communications;

- Including but not limited to underdeveloped and under serviced areas;
- In support of projects of National Interests;
- In accordance with the Electronic Communications Act and commensurate with international best practice and pricing;
- Through the provision of electronic communications network services and electronic communications services.

•• Vision

To be recognised as the wholesale provider of choice for backhaul connectivity.

•• Mission

- To enable national and regional private and public collaboration regarding infrastructure development;
- To expand the availability and affordability of access to electronic communications networks and services, including but not limited to underdeveloped and under-served areas; and
- To ensure that the high capacity connectivity and bandwidth requirements for specific projects of national interests are met.

•• Values

Stakeholder Engagement

Broadband Infraco proactively engages its stakeholders to understand their expressed and unexpressed needs.

Broadband Infraco prides itself for excellence in service delivery

Broadband Infraco is dedicated to satisfying its customer needs and believes in respecting customers, listening to their requests and understanding their expectations. It endeavours to exceed their expectations in terms of quality, time and cost.

Execution in a simple and flexible manner

Broadband Infraco's design philosophy shall be flexible to accommodate customisation of solutions for its customers.

Act with integrity in all we do

Broadband Infraco's employees are personally accountable for the highest standards of behaviour, including honesty and fairness in all aspects of their work. They fulfill their commitments as responsible citizens and employees, thereby consistently treating customers and Company resources with the respect they deserve.

Our Shareholders and Oversight

Shareholders

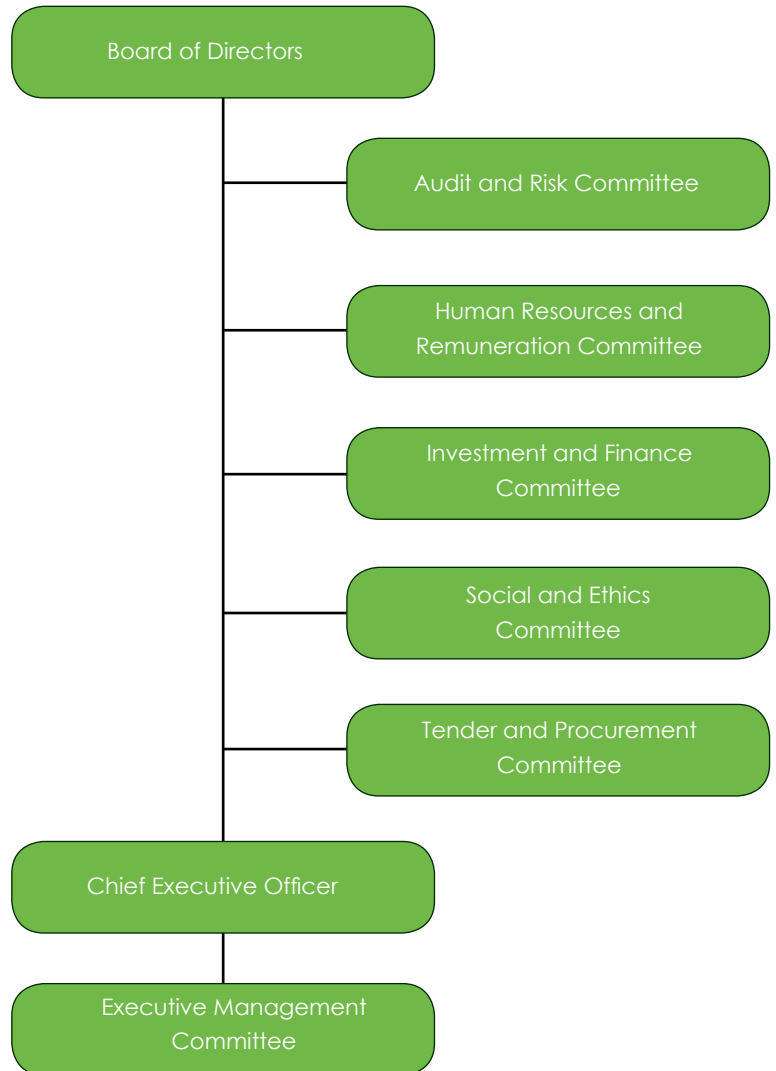


74%



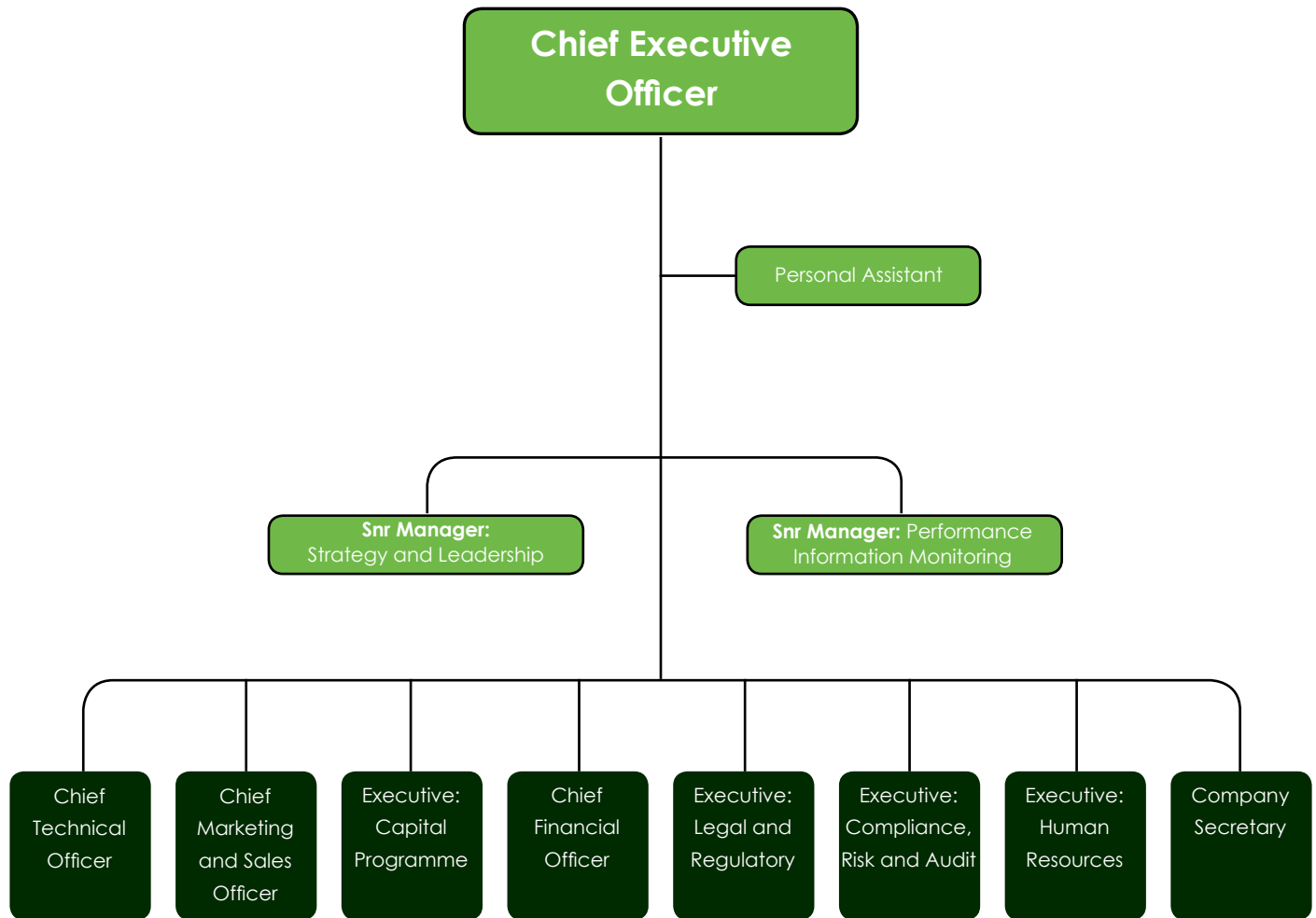
26%

Board and Executive Management Structure



Our Leadership

Executive Management Structure



Business Overview

Broadband Infraco provides wholesale broadband connectivity products and related value added services to public and private licensed or license-exempt customers across all industries in South Africa, while also supporting projects of national importance. We also extend our collaborative and commercial engagements to African and international markets.

NATIONAL CONNECTIVITY

- Broadband Infraco National Long Distance network covers all nine provinces , most major cities and towns.
- Broadband Infraco fibre optic network currently comprises approximately 14 000km of fibre and 158 Pops Points of Presence (PoPs) countrywide.
- The national long distance fibre optic network currently utilizes Dense Wavelength Division Multiplexing (DWDM) equipment, providing a number of 2.5 Gigabits, 10 Gigabits and 40 Gigabits lambdas along the majority of fibre routes.

REGIONAL CONNECTIVITY

- Broadband Infraco Network extensions have been implemented to provide fibre connectivity to the neighboring countries of Lesotho, Botswana, Mozambique, Namibia, Swaziland and Zimbabwe.
- In line with Southern African Development Community (SADC) Protocol alignment, Broadband Infraco has connected these SADC points of presence.

INTERNATIONAL CONNECTIVITY

- We are a Tier 1 investor in WACS; Over 70% of the initial capacity intended to support key projects of national interest.
- Through Broadband Infraco, the SA Government has international connectivity, which provides lower cost, sustainable and efficient international bandwidth.
- This positions South Africa for future economic growth as it will be able to connect to key global knowledge economies including North America and Europe.

Macroeconomic Impact

Broadband Infraco has pioneered an empirical broadband economic impact study to assess the benefits of increased broadband penetration and impact on the South African economy between 2004 and 2013.

Outcome

Econometric Analysis:

For every 1% increase in broadband penetration GDP increases by R4.83bn

Cost Benefit Analysis:

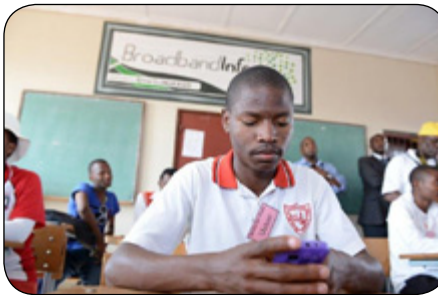
For every R1 spent on broadband society benefits R2.65

Macroeconomic Analysis:

Broadband has contributed over R870bn to the South African economy (in nominal terms)

Broadband created a sum of 377 660 direct and indirect jobs

Broadband contributed R84bn to taxes and R249bn to indirect household income





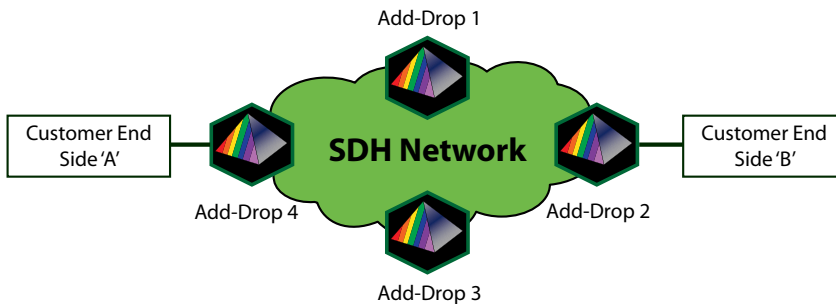
Products and Services

Our portfolio of wholesale products and services are based on the provision of high capacity managed bandwidth from Point of Presence (POP) to POP delivered on our resilient National Long Distance network. Our network covers all nine provinces, major cities and towns of South Africa and also extends to the borders of our neighbouring countries of Lesotho, Botswana, Mozambique, Namibia, Swaziland and Zimbabwe to provide required interconnectivity.

Broadband Infraco is a Tier 1 Investor in the 5.1 Tbits/s West Africa Cable System (WACS), which connects South Africa to the United Kingdom, with landing stations at Portugal and along the West Coast of Africa.

Our products and services are based on variety of technology portfolio, including Synchronous Digital Hierarchy (SDH), Dense Wavelength Division Multiplexing (DWDM), Optical Transport Network (OTN) and Carrier Ethernet.

SDH Services



Our Synchronous Digital Hierarchy (SDH) services are available in the following bandwidths and multiples thereof:

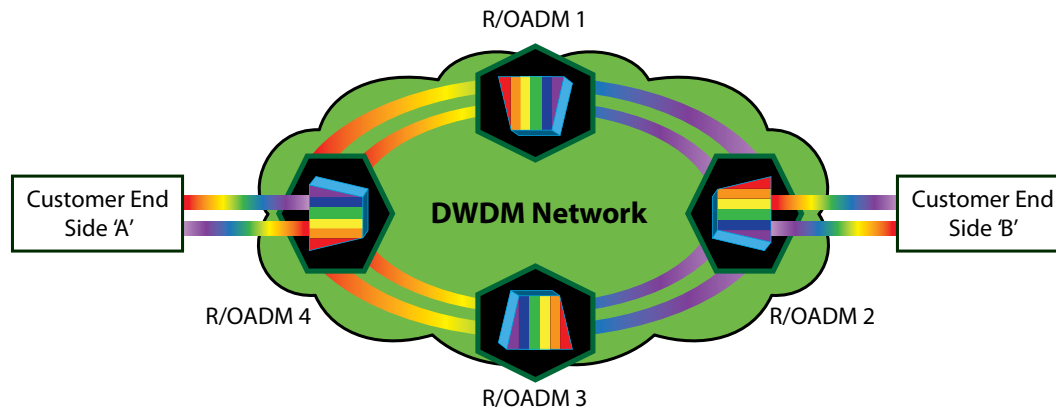
Bandwidth	Capacity in Megabits per second (Mbps)
STM-1	155 Mbps
STM-4	622 Mbps
STM-16	2 500 Mbps
STM-64	10 000 Mbps

Features and Benefits

- Scalability up to STM-64 (10 Gigabit per second)
- Ethernet capability
- Secure and dedicated bandwidth
- Direct add and drop capability
- 24/7/365 NOC (Network Operations Centre) for monitoring and support
- Protected and unprotected Service Levels options
- Standard lease contracts (1 year-, 2 years-, 3 year-, 5 years- and 10 years) or Indefeasible Right of Use (IRU) options available



DWDM (Dense Wavelength Division Multiplexing) Services



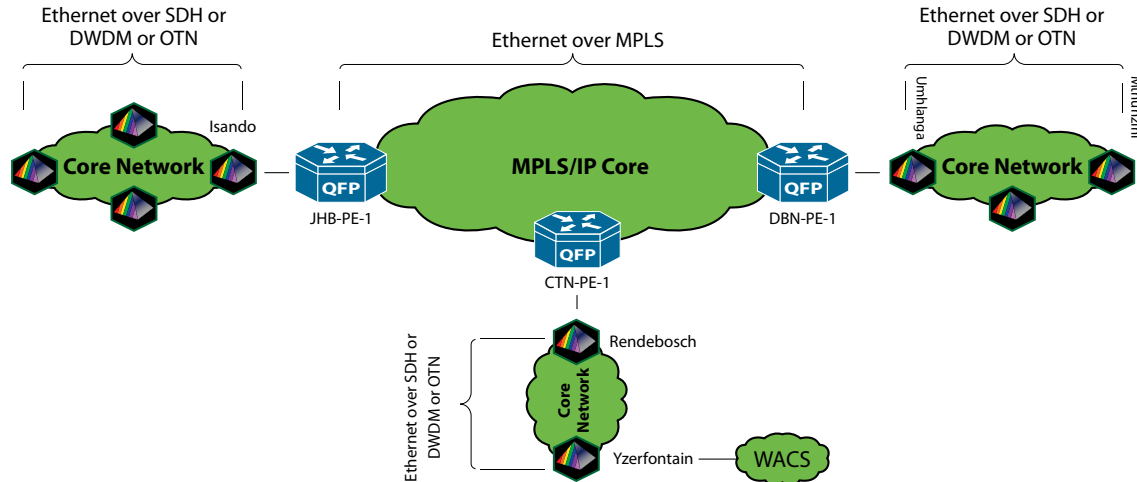
Broadband Infracore's DWDM (Dense Wavelength Division Multiplexing) service is the ideal scalable solution for companies with growing bandwidth requirements. Our DWDM service is available in the following bandwidths and multiples thereof:

- 10 Gigabits per second;
- 40 Gigabits per second; and
- 100 Gigabits per second ready

Features and benefits

- Ultra Large Capacity
- Ethernet capability
- Secure, dedicated bandwidth
- 24/7/365 NOC (Network Operations Centre) for monitoring and support
- Protected and unprotected Service Levels options
- Standard lease contracts (1 year-, 2 years-, 3 year-, 5 years- and 10 years) or Indefeasible Right of Use (IRU) options available.

Ethernet Services



Overview

Our Ethernet services are available across most of our network with connectivity ranging from 10 Mbps to 10 Gbps and are delivered over a variety of technologies, namely MPLS/IP, SDH, DWDM and/or OTN:

Ethernet over MPLS/IP:

Our Ethernet over MPLS/IP service offers superior scalability and is available in the following smaller capacities and multiples thereof:

- 10 Megabits per second;
- 50 Megabits per second ;
- 100 Megabits per second; and
- 1 Gigabit per second

IP/MPLS is presently only available on the “Golden Triangle” (Johannesburg - Cape Town - Durban).

Ethernet over SDH:

Broadband Infracore offers Ethernet over SDH in most regions outside of the Golden Triangle in order to meet all

your requirements, price and service levels you need in the following capacities:

- 50 Megabits per second;
- 100 Megabits per second;
- 1 Gigabit per second; and
- 10 Gigabit per second

Ethernet over DWDM and/or OTN:

Broadband Infracore also offers Ethernet over DWDM and/or OTN in most regions outside of the Golden Triangle in order to meet all your requirements, price and service levels you need in the following capacities:

- 10 Gigabit per second
- 40 Gigabit per second; and
- 100 Gigabit per second ready

Ethernet Services Benefits

- Point to point or point to multi-point
- Managed
- Delivered within robust SLA (Protected or unprotected Service Levels options)
- Standard lease contracts (1 year-, 2 years-, 3 year-, 5 years- and 10 years) or Indefeasible Right of Use (IRU) options available

Colocation Services

Our containerised Colocation service ensures that your business' critical equipment is located in a secure and fault tolerant facility with reliable power and sufficient cooling – providing guaranteed 99.5% of up-time levels.

Available Hosting Containers and Offering Options:

Option 1: Controlled Access container: Full rack (42U) only

Option 2: Shared container: Full rack (42U) and/or half rack (21U).



Performance & Uptime Commitments

We guarantee an uptime level of up to 99.5% for our services 24 hours a day; 7 days a week, except during scheduled maintenance or emergency changes, which will be communicated well in advance.

Broadband Infraco provides high network availability and reliability ensuring that it delivers an acceptable quality of service and comply with the performance metrics specified in Service-Level Agreements (SLAs).

Our SLA provides our customers the opportunity to tailor relevant services to their business needs. These SLA's are available as unprotected and protected services, which translates to 98% and 99.5% respectively.

24/7 Countrywide Customer Support

Broadband Infraco's skilled engineers and technicians are able to provide onsite technical, logistical and monitoring support 24 hours a day, 7 days a week through our Network Operations Centre (NOC).

Disaster recovery NOC at an exclusive site in Johannesburg in a condition where the main NOC shuts down.

Operations & Maintenance

- Broadband Infraco runs a state of the art Network Operations Centre (NOC) operates at Broadband Infraco's Woodmead Head Office, providing large screen views of the network, detailed reporting on Service level agreements (SLAs) and a customer support centre.
- The NOC continuously monitors the network and ensures that all SLAs with Broadband Infraco's customers are met through a combination of the use of alternative routes to ensure services are available and the prompt use of the Broadband Infraco maintenance organisation to repair faults in the shortest possible timeframes.



“ Network availability exceeds all contractual obligations

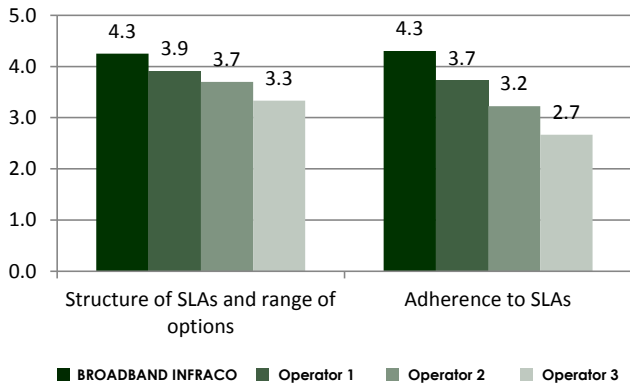
Broadband Infraco's latest Customer Satisfaction survey confirms that the company consistently scores above industry norms across all measures:

Service Level Targets

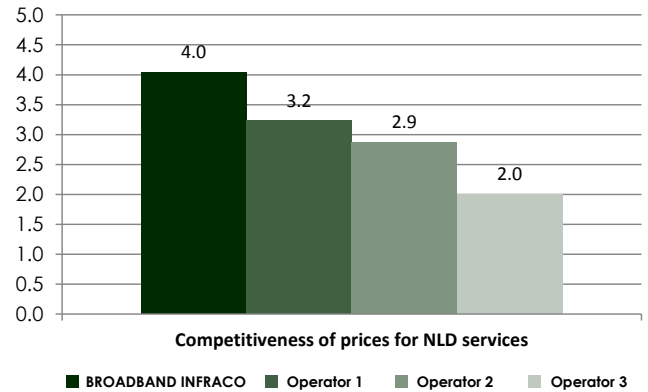
Broadband Infraco Scores higher than industry norms in terms of service availability to its customers

Broadband Infraco offers the most competitive pricing across all products, services in the Golden Triangle; national long-haul; SADC region; International connectivity and Other.

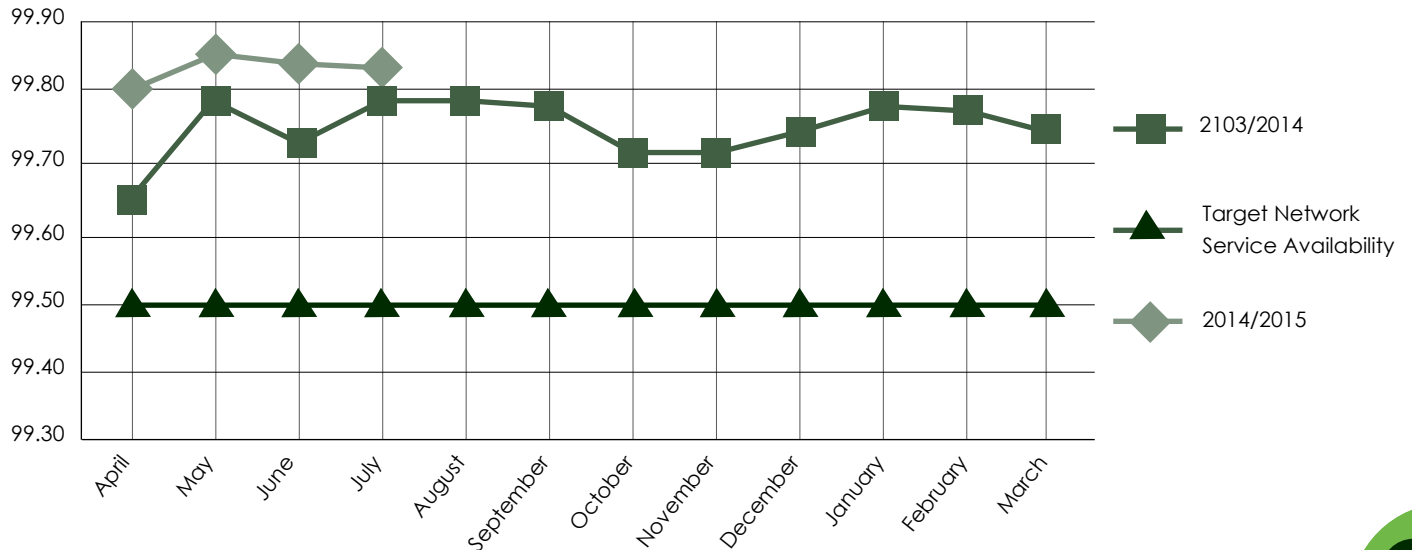
SLA's (avg score)



Pricing (avg. score)

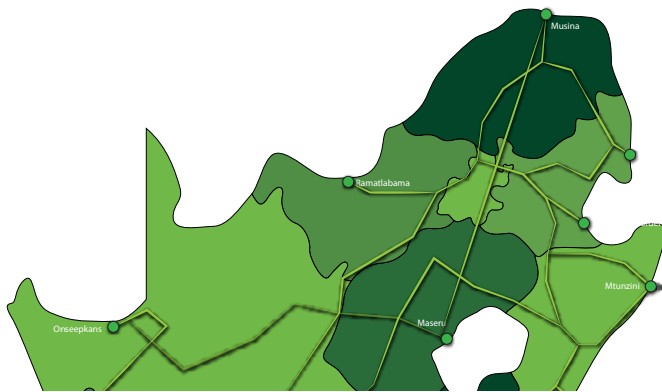


YTD Average Service Availability



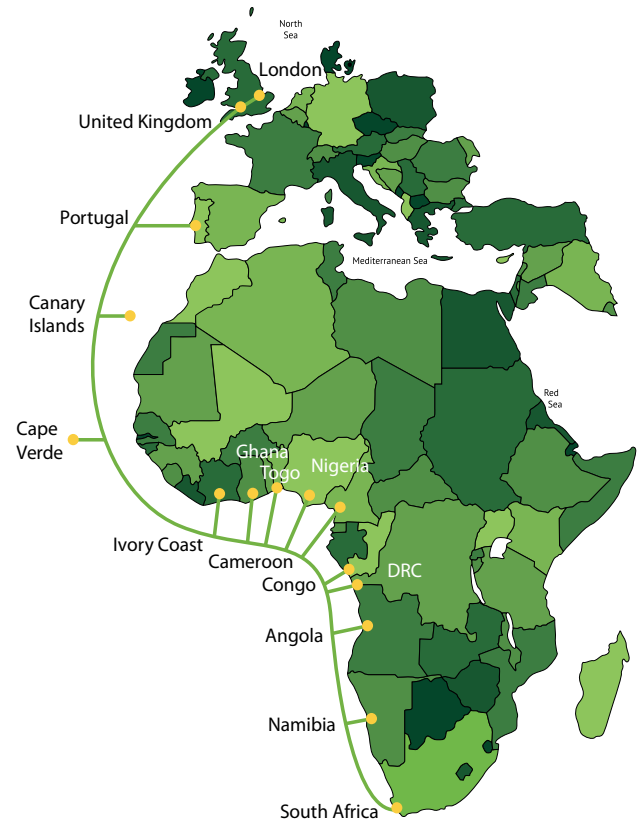
Network Connectivity

SADC Regional Footprint



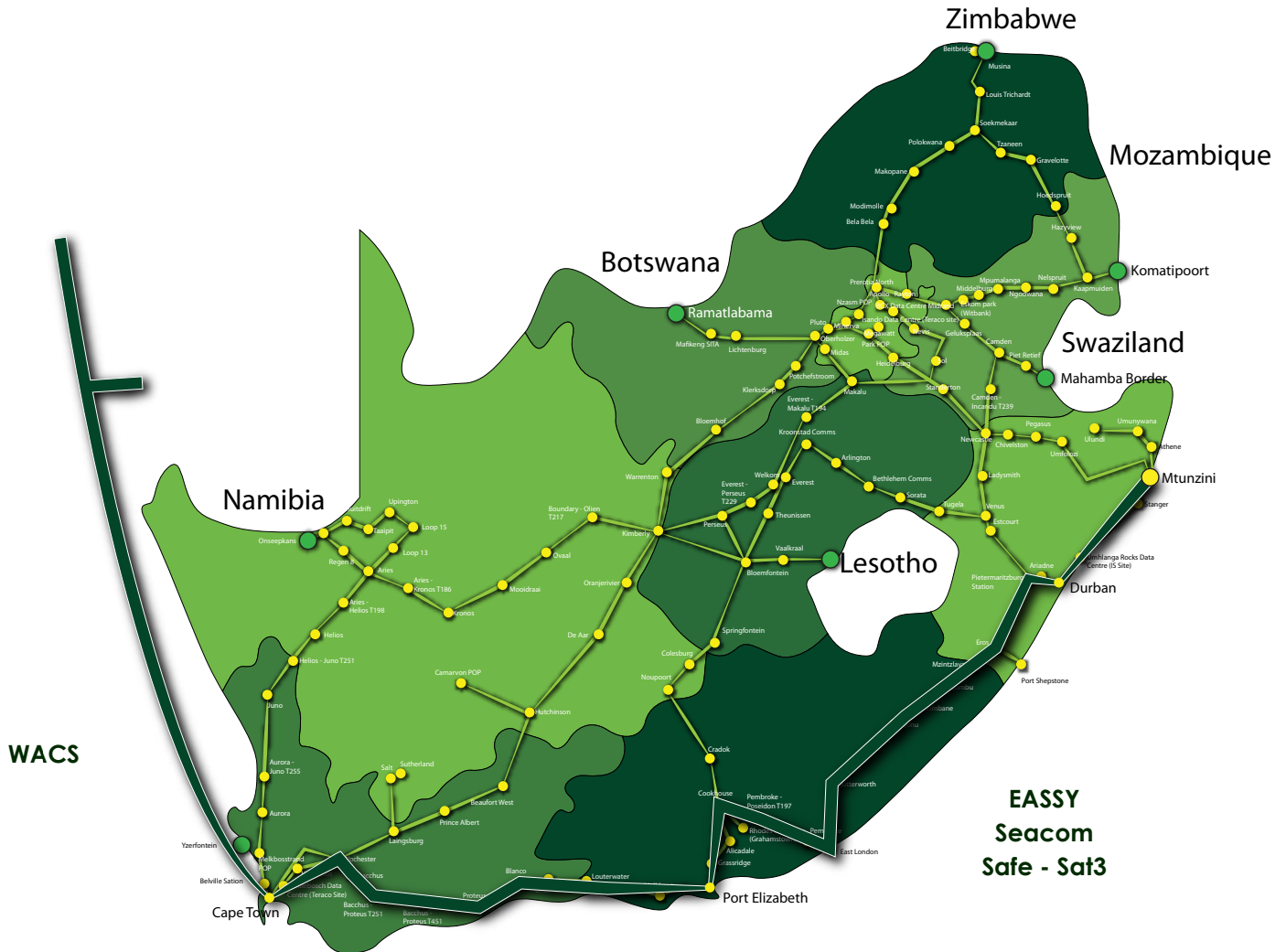
- Network extensions have been implemented to provide fibre connectivity to the neighbouring countries of South Africa such as Lesotho, Mozambique, Namibia, Swaziland, Zimbabwe as well as Botswana.

International Connectivity













































- Broadband Infracore is a Tier 1 investor in the 5.1 Terabits/s West Africa Cable System (WACS) Project.
- The cable connects South Africa to the United Kingdom, with landing stations in Portugal and 11 other countries along the West Coast of Africa. WACS
- Provides sustainable and efficient international bandwidth; and
- Positions Africa & South Africa for future economic growth connects South Africa to key global knowledge economies such as North America and Europe.

We interlink international cables landing on the East Coast and international cables landing on the West Coast of South Africa.

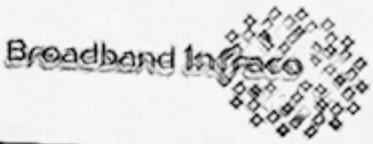


Our Clients

2009	2010 - 2011	2011 - 2012	2012 - 2013	2013 - 2014
				 SITA  SANREN  Google  SPTC Swaziland  Reflex solutions  Cell C  (Iburst) Wireless Business connection  Bofinet (Botswana Fibre Network)
			 CSIR	 CSIR
		 Vodacom	 Vodacom	 Vodacom
		 UMzinyathi	 UMzinyathi	 UMzinyathi
		 Business Connexion	 Business Connexion	 Business Connexion
		 Paratus Telecom-Namibia	 Paratus Telecom-Namibia	 Paratus Telecom-Namibia
		 MTC-Namibia	 MTC-Namibia	 MTC-Namibia
	 Seacom	 Seacom	 Seacom	 Seacom
	 MTN	 MTN	 MTN	 MTN
	 Liquid Telecom	 Liquid Telecom	 Liquid Telecom	 Liquid Telecom
 Neotel	 Neotel	 Neotel	 Neotel	 Neotel


Broadband Infraco has grown exponentially delivering critical services to a diverse portfolio of customers

Connect. **Growth, UNLOCKED.**



Broadband Infra





*Economic
Growth Unlocked
through backhaul
connectivity.*



Contact us:

Visit us at our offices:

Country Club Estate, 21 Woodlands Drive,
Building 9, Woodmead, Sandton, Johannesburg

Tel: 011 235 1600

Email: info@infraco.co.za

Web: www.infraco.co.za

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