

The African Exchanges Linkage Project (AELP): Phase 1

As at December 2021

Led and co-founded by:



The Egyptian Exchange
البورصة المصرية



nairobi securities exchange
Discover Opportunity



BOURSE REGIONALE DES VALEURS MOBILIERES



Stock Exchange of Mauritius

Coordinated By:



AFRICAN DEVELOPMENT BANK GROUP

Supported By:



KOAFEC
Korea-Africa
Economic Cooperation



Project Overview



The **African Exchanges Linkage Project (AELP)** is a flagship project of the African Securities Exchanges Association (ASEA) and the African Development Bank (AfDB) to facilitate cross-border trading of securities in Africa.

Improve depth and liquidity on Africa's capital markets

AELP will foster investment flows among the participating Exchanges by enabling:

- Cross-border securities trading using an order-routing system (AELP Link technology platform) to channel orders between Stockbrokers on participating Exchanges
- A Stockbroker sponsors the trade on the host Exchange
- Custody and settlement will be on the host Exchange according to its market rules and practice. Sponsoring broker and local custodian will be involved
- Live trading information among linked Exchanges and market participants
- Promote the African Listed Securities asset class and creating new products and securities on the linked Exchanges so that asset managers, stockbrokers, institutional investors and individual investors can identify investment opportunities across African markets
- Cross-border capital raising and Initial Public Offers (IPOs)
- Develop capacity between the Exchanges and boost collaboration between capital market Regulators, Central Banks and central depositories.

Participating Exchanges



In its initial phase, the Project aims to create linkages between 7 African capital markets that represent >90% of Africa's market capitalization.

No.	STOCK EXCHANGE	COUNTRY
1	Bourse Régionale des Valeurs Mobilières	Benin, Burkina Faso, Côte d'Ivoire, Guinea-Bissau, Mali, Niger, Senegal and Togo (WAEMU Region)
2	Casablanca Stock Exchange	Morocco
3	Johannesburg Stock Exchange	South Africa
4	Nairobi Securities Exchange	Kenya
5	Nigerian Exchange Limited	Nigeria
6	Stock Exchange of Mauritius	Mauritius
7	The Egyptian Exchange	Egypt

Project Initiators

The AELP was initiated by ASEA with the support of the AfDB. It is supported by a grant from the Korea-Africa Economic Cooperation (KOAPEC) Trust Fund, administered by the African Development Bank.

The African Securities Exchanges Association (ASEA)



ASEA is the premier association of securities Exchanges in Africa, made up of 26 African Exchanges that have come together with the aim of developing member Exchanges and providing a platform for networking. The Association was established in 1993 and works closely with member Exchanges to unlock the potential of the African capital market and African economies. ASEA seeks to position African capital markets as key enablers of economic recovery in Africa by the year 2025.

The African Development Bank (AfDB)



The AfDB is a multilateral development bank and the premier financial development institution in the continent. There are 54 Regional Member Countries (African countries) and 26 Non-Regional Members. The Group has proven expertise in human and economic development in Africa, with extensive experience in the development of the financial sector. The Bank operates across five main areas that has been identified as essential in transforming the lives of the African people, and referred to as the High 5s: “Light up and Power Africa”, “Feed Africa”, “Industrialize Africa”, “Integrate Africa” and “Improve the Quality of Life for the People of Africa”.

AELP: Unlocking Opportunities in African Markets

Connecting African markets..

7

Stock Exchanges

14

Countries

\$ 1.50 trillion

Equity Market capitalization

..providing diverse products...

Equities

Bonds

ETFs

Derivatives

REITs

Funds

and more..

...and access to Africa's largest companies.



About ASEA



ASEA mission and values



ASEA is the premier Association of 26 exchanges in Africa serving 32 economies. It is home to approximately 1,100 listed companies with a total equity market capitalization of \$1.5 trillion. The main objective is to unlock the potential of African capital markets and enhance the development and global competitiveness of member exchanges.

OUR MISSION

To engage African capital market ecosystems in order to foster capital mobilization, promote sustainability, and enhance financial inclusion for the benefit of Africa's economic development.

OUR VALUES

PROFESSIONALISM:

We bring the highest levels of knowledge, specialization and competence to our commitments.

INTEGRITY:

We adopt best business practices in line with the highest levels of ethical standards and promote same amongst our members.

RESPONSIVENESS:

We participate actively in all matters involving the Association, and respond proactively to the needs of our stakeholders.

ASEA Strategic objectives



1

Advocacy

- Increase the scope of influence of ASEA in order to promote enabling policies and regulation

2

Enhancing Liquidity

- Position African capital markets to achieve greater liquidity and attract global investors

3

Capacity-Building & Knowledge-Transfer

- Enhance capacity building, training and transfer of best practices for ASEA members

4

Regional Integration

- Successfully implement the African Exchange Linkage Project (AELP)

5

Funding

- Increase and diversify funding to ASEA

Overview of AELP Markets



Bourse Régionale des Valeurs Mobilières

The Bourse Régionale des Valeurs Mobilières (BRVM) is a regional stock Exchange shared by eight countries in the West African region. These countries are Benin, Burkina Faso, Côte D'Ivoire, Guinea-Bissau, Mali, Niger, Senegal and Togo.

They are members of the West African Economic and Monetary Union (WAEMU), which is a fully integrated political and economic zone. The WAEMU countries have the same currency, the CFA Franc (XOF) that is pegged to the euro, the same Central Bank, one stock market, one central depository and settlement bank, one regulatory authority for financial market regulation.

The BRVM was created as a private company in 1996 and started its activities two years later with 35 listed companies and (USD) \$2 billion in market capitalization. Today, the BRVM has 46 listed companies, \$22.98bn total market capitalization, \$3.6 million value traded every day, 94 listed bonds (sovereign and corporate) including 3 Islamic bonds with a market capitalization of \$518.66 million.

Market Snapshot¹

	Equities	Bonds
# Listed	46	94
Value Traded (2021)	314.8 m	930.75 m
Market Cap.	\$ 10.5 bn	\$ 12.5 bn



33

dealing
members



36.75%

Turnover
Velocity

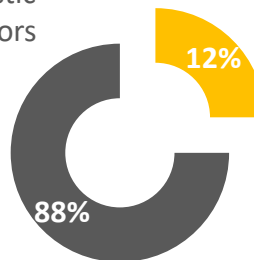


\$3.6 m

Avg. daily
value traded

Market Participation²

Domestic
investors



Foreign
investors

¹ As at December 31, 2021; ² As at December 31, 2021

Fundamentals

Price to earnings ratio (Market)
2021 or Forward

13.7

Dividend yield

6.01%

Price to book (Market)

N/A

INDEX PERFORMANCE – NET RETURNS (%) (DEC 31, 2021)

2021 return (% Main
index)

39.15%

3 years

17.44%

5 years

-30.77%

20 years average return
(Main index)

9.42%

TOP 10 Stocks

Name	Market Cap	Value traded 2021 (USD)	Sector
SONATEL	2.4 bn	85.7 m	COMMUNICATION SERVICES
CORIS BANK INT.	579.3 m	2 m	FINANCIALS
SOCIETE GENERAL CI	568.3 m	7.3 m	FINANCIALS
ECOBANK TRANS. INC.	561.23 m	3.14 m	FINANCIALS
ORAGROUP	501.46 m	2.97 m	FINANCIALS
ONATEL	462.5 m	14.54 m	COMMUNICATION SERVICES
ECOBANK CI	454.16 m	5.3 m	FINANCIALS
SOLIBRA	442.74 m	2 m	CONSUMER STAPLES
CFAO MOTORS CI	372.12 m	0.95 m	CONSUMER DISCRETIONARY
SOCIETE IVOIRIENNE DE BANQUES	343.5 m	119.55 m	FINANCIALS

Casablanca Stock Exchange

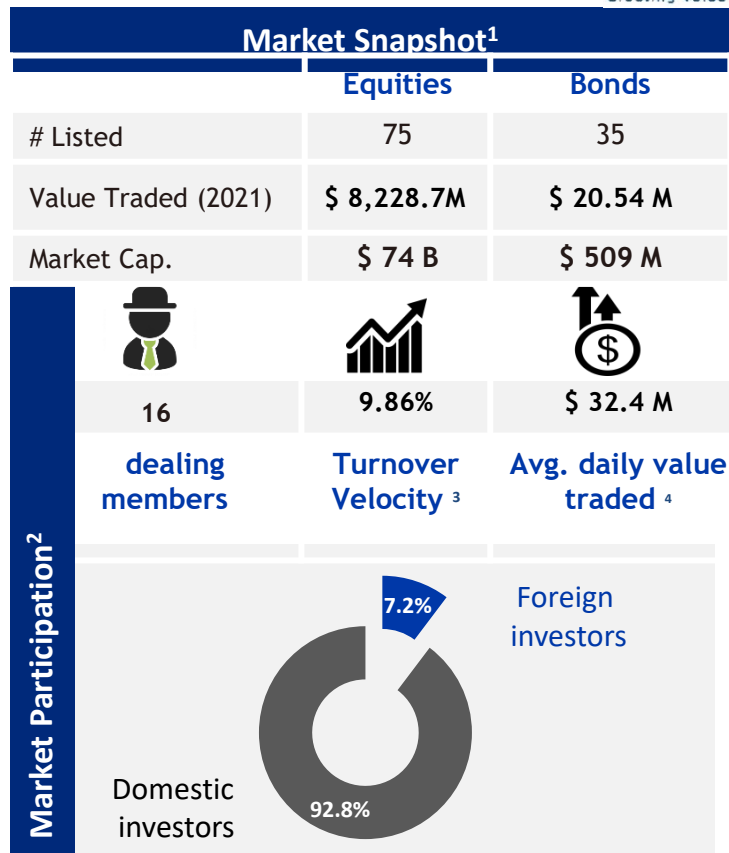


Creating Value

Created in 1929, the Casablanca Stock Exchange operates under the supervision of the Ministry of the Economy and Finance. Its mission is to continuously enrich the offer of products and services, but also to develop and deploy a global strategy common to the various components of the stock market.

Positioning itself among the leading markets in Africa, the Casablanca Stock Exchange was ranked at the end of 2021, second in terms of capitalization with 74 billion USD.

The Casablanca Stock Exchange operates according to a mode of work based on the quality of the services: it is moreover, for several years, certified ISO 9001. Making the security of its information systems a priority, it is also certified ISO 27001. In recent years, the Casablanca Stock Exchange has strengthened its openness to African financial markets, as well as its relations with operators on the continent. For example, it has implemented the ELITE BRVM LOUNGE program, in partnership with the BRVM and the London Stock Exchange Group. The Casablanca Stock Exchange has also signed partnerships with many stock exchanges on the continent.



¹⁻² As of 31 December, 2021; ³⁻⁴ Period: Jan. 2020 to Dec. 2021;

Casablanca Stock Exchange



Creating Value

Fundamentals

P/E ratio 2021 (Estimated)

20.8

Dividend yield

3.00%

Price to book 2021 (Estimated)

4.3

Index performance— Net return (%) (DEC 31, 2021)

2021 return (% Main index)

21.5%

3 years

16%

5 years

33.7%

20 years return (Main index)

650.3%

TOP 10 Stocks

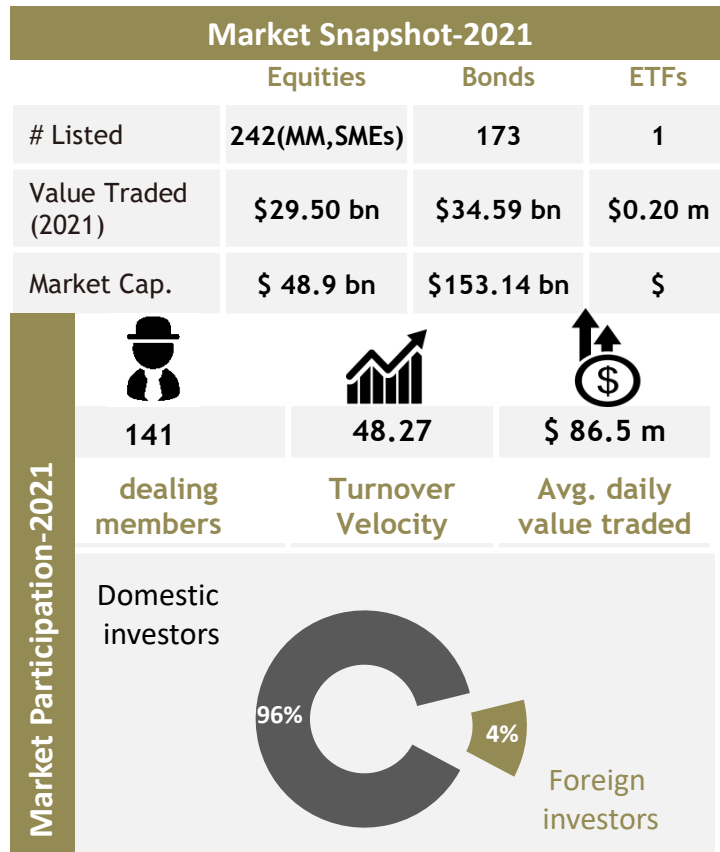
Name	Market Cap	Value traded 2021 (USD)	Sector
ITISSALAT AL-MAGHRIB	13,209,543,248	414,699,731.65	Telecommunications
ATTIJARIWAFABANK	11,289,770,763	851,084,057.54	Banks
BCP	6,154,976,002	273,435,826.70	Banks
LafargeHolcim Maroc	5,554,580,406	202,384,364.90	Construction & Building Materials
BANK OF AFRICA	4,165,127,562	135,652,798.65	Banks
CIMENTS DU MAROC	2,955,519,978	425,532,054.01	Construction & Building Materials
TAQA MOROCCO	2,668,847,151	51,029,634.04	Electricity
COSUMAR	2,657,336,357	235,655,851.87	Food producers & Processors
SODEP-Marsa Maroc	2,213,636,098	153,791,313.73	Transportation Services
AFRIQUIA GAZ	1,963,142,752	38,819,531.49	Oil & Gas

The Egyptian Exchange (EGX)

The Egyptian Exchange (EGX) is one of the oldest stock markets in the Middle East and North Africa (MENA) region. EGX traces its origins to 1883 when the Alexandria Stock Exchange was established followed by Cairo in 1903. Ever since this time, the exchange has been serving the Egyptian capital market and advocating for capital markets development in the MENA Region.

EGX is a member of the WFE, a Board member of ASEA and a Chairman of the Federation of Euro-Asian Stock Exchanges (FEAS). Board member of The Arab Federation of Exchanges (AFE).

EGX offers listing and trading services, specialized activities, market data solutions, technology services and more.



Figures to 31 December 2021

Fundamentals

Price to earnings ratio (Market)
2021 or Forward

18.15

Dividend yield

6.082177%

Price to book (Market)

N/A

INDEX PERFORMANCE — NET RETURNS (%) (DEC 31, 2021)

2021 return (% Main
index)

10.18%

3 Years (Holding Period
Return)

-8.23%

5 Years (Holding Period
Return)

-3.21%

20 years average return
(Main index)

28.71%

TOP 10 Stocks (DEC 31, 2021)

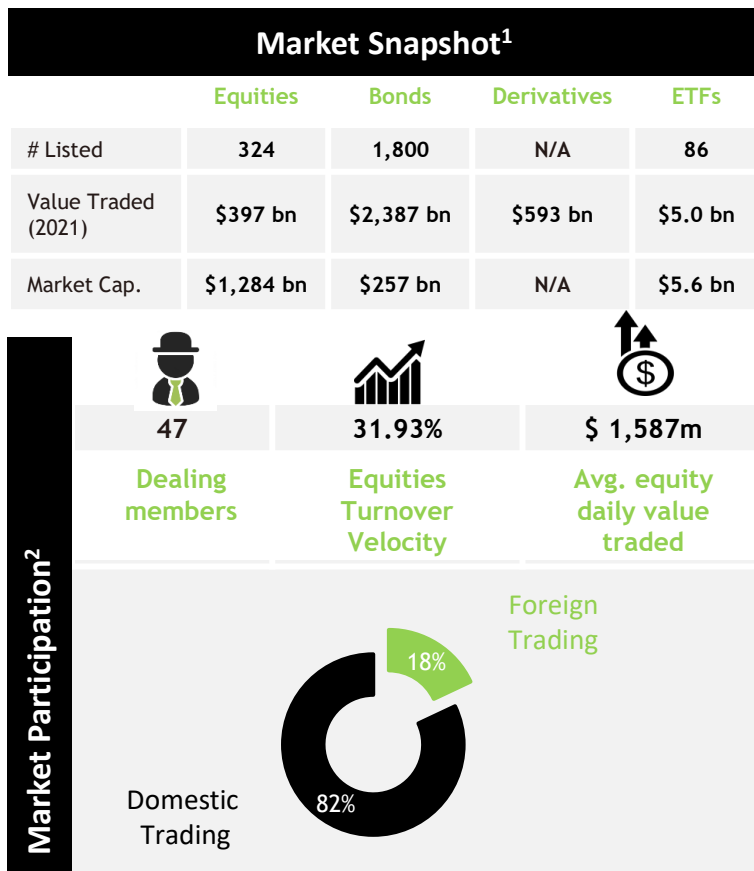
Company Name	Market Cap in Value Traded in		Sector
	USD m	USD m	
Commercial International Bank (Egypt)	6,644.5	1531.1	Banks
Qatar National Bank Alahly	2,428.7	9.7	Banks
E-finance For Digital and Financial Investments	2,295.7	682.4	IT , Media & Communication Services
Telecom Egypt	1,821.9	226.3	IT , Media & Communication Services
Abou Kir Fertilizers	1,726.6	313.8	Basic Resources
Eastern Company	1,535.1	231.9	Food, Beverages and Tobacco
Misr Fretilizers Production Company - Mopco	1,421.6	109.9	Basic Resources
Fawry For Banking Technology And Electronic Payment	1,391.9	686.5	IT , Media & Communication Services
Elswedey Electric	1,366.4	686.5	Industrial Goods , Services and Automobiles
T M G Holding	1,191.2	226.6	Real Estate

Johannesburg Stock Exchange



The Johannesburg Stock Exchange (JSE) has a well-established history operating as a marketplace for trading financial products. It is a pioneering, globally connected exchange group that enables inclusive economic growth through trusted, world class, socially responsible products and services for the investor of the future.

The JSE offers secure and efficient primary and secondary capital markets across a diverse range of securities, spanning equities, derivatives, and debt markets. It prides itself as being the market of choice for local and international investors looking to gain exposure to leading capital markets on the African continent. The bourse is currently ranked in the Top 20 largest stock exchanges in the world by market capitalisation, and is the largest stock exchange in Africa, having been in operation for over 130 years. As a champion and advocate for sustainability, the JSE is committed to building a sustainable economy and world for future generations by embedding sustainability products in the market, promoting access to global investment opportunities in the South African market and promoting financial literacy.



¹Year to December 2021; ² As at 31 December 2021

Johannesburg Stock Exchange



FUNDAMENTALS

Price to earnings ratio¹
(Market) 2021 or Forward

16.31

Dividend yield¹

2.79%

Price to book (Market)

N/A

INDEX PERFORMANCE — NET RETURNS (%) (DEC 31, 2021)

2021 return (% Main
index)

24.07%

3 years

39.77%

5 years

45.52%

20 years average return
(Main index)

11.00%

TOP 10 Stocks

Name	Market Cap	Value traded 2021 (USD)	Sector
Prosus N.V.	170,171,301,705	29,945,374,976	Software and Computer Services
Anheuser-Busch InBev SA NV	104,781,018,507	3,926,948,009	Beverages
British American Tob plc	90,184,588,177	7,644,510,233	Tobacco
Compagnie Fin Richemont	78,941,052,632	8,485,087,276	Personal Goods
Glencore plc	74,164,795,448	5,477,772,470	Industrial Metals and Mining
Naspers Ltd -N-	67,455,096,202	67,274,120,421	Software and Computer Services
BHP Group Plc	62,778,555,094	10,294,434,477	Industrial Metals and Mining
Anglo American plc	54,785,905,667	14,262,003,644	Industrial Metals and Mining
Anglo American Plat Ltd	30,198,929,893	7,701,491,532	Precious Metals and Mining
Firststrand Ltd	21,369,478,099	12,061,507,182	Banks

Nairobi Securities Exchange

The Nairobi Securities Exchange (NSE) is a leading African Exchange, based in Kenya – one of the fastest-growing economies in Sub-Saharan Africa.

Founded in 1954, NSE has a six-decade heritage in listing equity and debt securities. It offers a world-class trading facility for local and international investors looking to gain exposure to Kenya and Africa’s economic growth.

NSE demutualized and self-listed in 2014. Its Board and management team are comprised of some of Africa’s leading capital markets professionals, who are focused on innovation, diversification and operational excellence in the Exchange.

NSE is playing a vital role in the growth of Kenya’s economy by encouraging a savings and investment, as well as helping local and international companies access cost-effective capital. It operates under the jurisdiction of the Capital Markets Authority of Kenya. It is a full member of the WFE, and a founding member of ASEA and the East African Securities Exchanges Association (EASEA). It is also a member of the Association of Futures Markets and a partner exchange in the SSE.

Market Snapshot

	Equities	Bonds	ETFs	Derivs ¹	REITs
# Listed	62	75	1	32	1
Value Traded (2021)	\$1.2 bn	\$8.37 bn	\$1.22 m	\$2.53 m	\$0.58 m
Market Cap.	\$22.67 bn	\$27.25 bn	\$4.11 m	\$0.06 m	\$9.90 m



23

dealing
members



5.30%

Turnover
Velocity

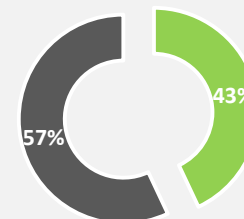


\$4.77 m

Avg. daily
value traded

Market Participation

Foreign
investors



Domestic
investors

Nairobi Securities Exchange

Fundamentals

Price to earnings ratio (Market)
2021 or Forward

22.49

Dividend yield

3.10%

Price to book (Market)

N/A

INDEX PERFORMANCE — NET RETURNS (%) (DEC 31, 2021)

2021 return (% Main
index)

9.43%

3 years

18.54%

5 years

24.84%

20 years average return
(Main index)

126.88%

TOP 10 Stocks

Name	Market Cap (Mn) USD	Value traded 2021 (USD)	Sector
Equity Group Holdings Plc Ord 0.50	1,759.41	164,824,124	BANKING
KCB Group Plc Ord 1.00	1,290.88	125,571,150	BANKING
East African Breweries Ltd Ord 2.00	1,153.23	123,718,056	MANUFACTURING & ALLIED
The Co-operative Bank of Kenya Ltd Ord 1.00	671.55	16,656,184	BANKING
ABSA Bank Kenya Plc Ord 0.50	568.88	11,425,793	BANKING
Standard Chartered Bank Kenya Ltd Ord 5.00	428.32	15,487,530	BANKING
British American Tobacco Kenya Plc Ord 10.00	390.22	16,034,994	MANUFACTURING & ALLIED
NCBA Group Plc Ord 5.00	366.95	21,978,951	BANKING
Bamburi Cement Ltd Ord 5.00	121.90	12,006,437	CONSTRUCTION & ALLIED

Nigerian Exchange Limited

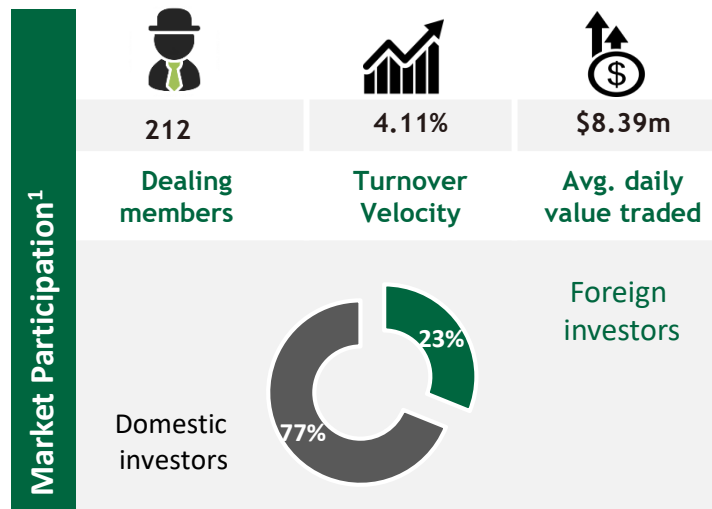


Nigerian Exchange Limited (NGX), a wholly owned subsidiary of the Nigerian Exchange Group (NGX Group), is a leading listing and trading venue in Africa with its history dating back to 1960. It is an open, professional, and vibrant exchange, connecting Nigeria, Africa, and the world.

NGX is a multi-asset exchange providing a home to the best of African enterprises listed on its Premium, Main, and Growth Boards; diverse Fixed Income Securities; Exchange Traded Products (ETPs); Mutual and other investment funds. In addition, NGX provides licensing services, market data solutions, ancillary technology services, and more in its quest to be Africa's preferred exchange hub.

At NGX, we deploy innovative capital market solutions that provide a globally competitive platform for Issuers to raise capital, and investors to meet their financial objectives across markets and geographies while maintaining a seamless flow of information. We are the sustainable Exchange championing Africa's growth.

Market Snapshot ¹				
	Equities	Bonds	ETFs	REIT&CEF
# Listed	152	141	12	4
Value Traded (2021)	\$2.1 bn	\$8.1 m	\$78.7 m	\$13.5m
Market Cap.	\$51.2 bn	\$45.4 bn	\$16.9 m	\$53.8 m



¹ As at 31 December 2021

Nigerian Exchange Limited

Fundamentals

Price to earnings ratio (Market)
2021 or Forward

9.7%

Dividend yield

4.7%

Price to book (Market)

2.0

INDEX PERFORMANCE — NET RETURNS (%) (DEC 31, 2021)

2021 return (% Main
index)

6.07%

3 years

10.77%

5 years

9.71%

20 years average return
(Main index)

8.66%

TOP 10 Stocks

Name	Market Cap	Value traded 2021 (USD)	Sector
DANGOTE CEMENT PLC	10,527,428,853.57	67,268,914.50	Building Materials
MTN NIGERIA COMMUNICATIONS PLC	9,639,036,228.00	223,317,141.74	Telecommunications Services
AIRTEL AFRICA PLC	8,627,487,226.73	31,355,092.30	Telecommunications Services
BUA CEMENT PLC	5,458,184,951.26	24,938,407.80	Building Materials
NESTLE NIGERIA PLC.	2,965,791,962.11	124,347,932.17	Food Products--Diversified
ZENITH BANK PLC	1,898,129,371.92	259,256,542.51	Banking
GUARANTY TRUST HOLDING COMPANY PLC	1,839,448,701.50	302,888,611.80	Other Financial Institutions
STANBIC IBTC HOLDINGS PLC	1,121,278,600.64	33,719,008.13	Other Financial Institutions
FBN HOLDINGS PLC	983,669,081.32	264,095,780.09	Other Financial Institutions
NIGERIAN BREW. PLC.	961,166,111.90	37,688,882.69	Beverages--Brewers/Distillers

Stock Exchange of Mauritius

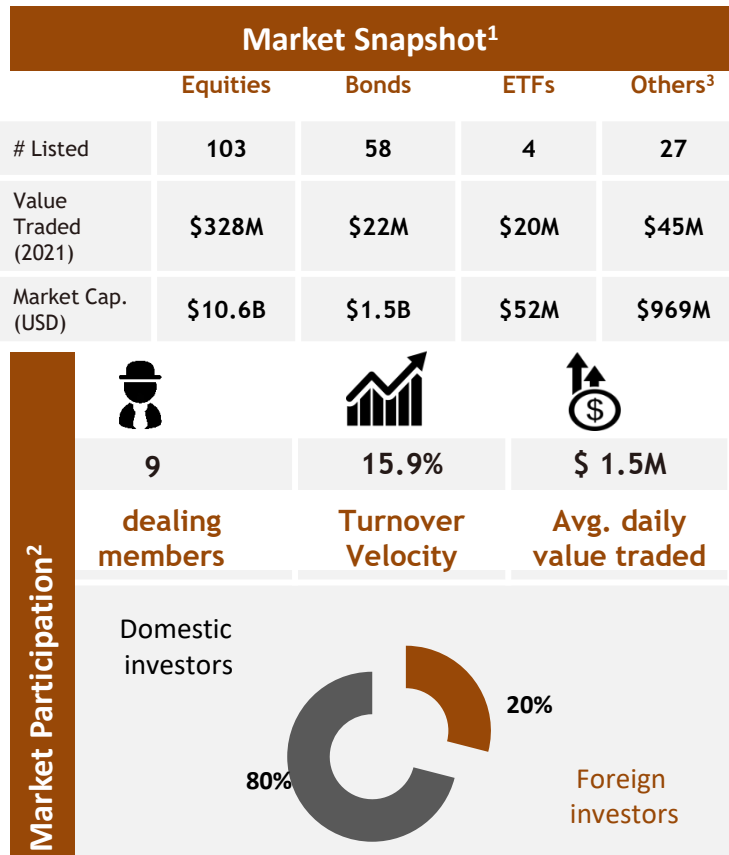


The Stock Exchange of Mauritius Ltd (SEM) started its operations in July 1989 as a domestic equity-centric Exchange. It has since witnessed a significant overhaul of its operational and regulatory framework to become one of the leading small Exchanges in Africa.

The SEM is a multi-asset class Exchange. It operates a multi-currency capital raising, listing and trading, and settlement platform. It is today well-positioned as an attractive capital raising and listing platform for local, niche international and Africa-focused ventures.

Since 2010, SEM has embarked on a new strategic orientation to move away from its domestic equity-centric focus to embrace a multi-asset class international focus. The results have been quite compelling and SEM has welcomed the listings of 194 new products since 2010, out of which 101 are international products.

Since 2010, (USD) \$6.9 billion has been raised by SEM-listed companies to fund their growth, create jobs and contribute to Mauritius' economic growth. SEM is member of ASEA and WFE, and represented at the Board level of WFE.



¹ As at 31 December 2021; ² As at 31 December 2021; ³ Refers to Funds and structured products

Stock Exchange of Mauritius



Fundamentals

Price to earnings ratio (Market)
2021 or Forward

14.03

Dividend yield

2.85%

Price to NAV (Market Average)

1.78

INDEX PERFORMANCE — NET RETURNS (%) (DEC 31, 2021)

2021 return (% SEMDEX)

27.3%

3 years

-5.4%

5 years

16.0%

20 years annualised return (SEMDEX)

9.5%

TOP 10 Stocks

Name	Market Cap	Value traded 2021 (USD)	Sector
MCB Group Limited	\$1.76B	\$111.3M	BANKS, INSURANCE & OTHER FINANCE
IBL Ltd	\$832M	\$11.0M	COMMERCE
Ascencia Ltd	\$339M	\$2.5M	PROPERTY
SBM Holdings Ltd	\$299M	\$10.4M	BANKS, INSURANCE & OTHER FINANCE
CIEL Limited	\$240M	\$4.8M	INVESTMENTS
Alteo Limited	\$234M	\$4.7M	INVESTMENTS
Phoenix Beverages Ltd	\$230M	\$7.5M	INDUSTRY
ENL Limited	\$186M	\$3.9M	INVESTMENTS
Vivo Energy Mauritius Ltd	\$164M	\$0.8M	COMMERCE
MUA Ltd	\$161M	\$5.8M	BANKS, INSURANCE & OTHER FINANCE

ASEA Secretariat
The Exchange, 55 Westlands Road
Nairobi
Kenya

Tel: +254 20 283 1000

E: Itonui@african-exchanges.org

<https://africanexchangeslink.com>

<https://african-exchanges.org>

