

Morgan Stanley 16th Annual AP Summit

Loh Boon Chye, Chief Executive Officer

15-16 November 2017

Singapore Exchange

Who We Are

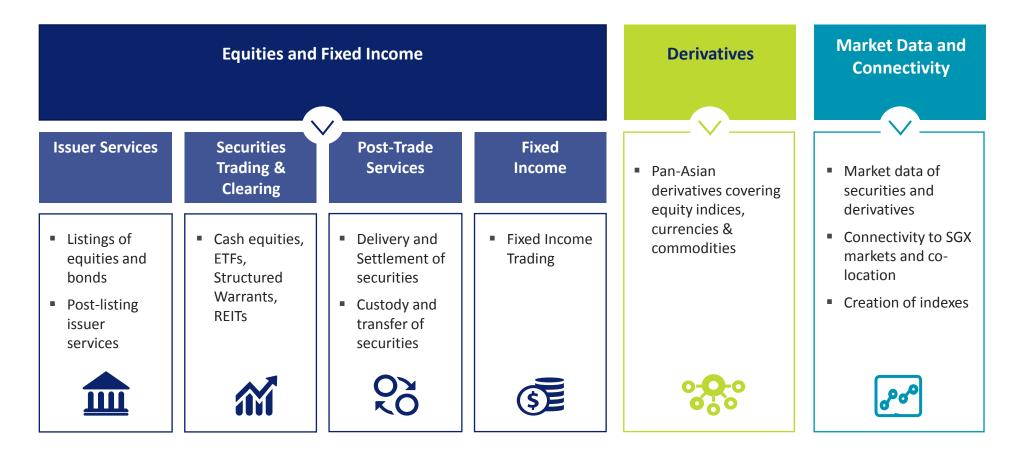
A diversified exchange group that runs key market infrastructure including the Singapore stock market and a pan-Asian derivatives exchange covering all major asset classes.





Our Business Lines

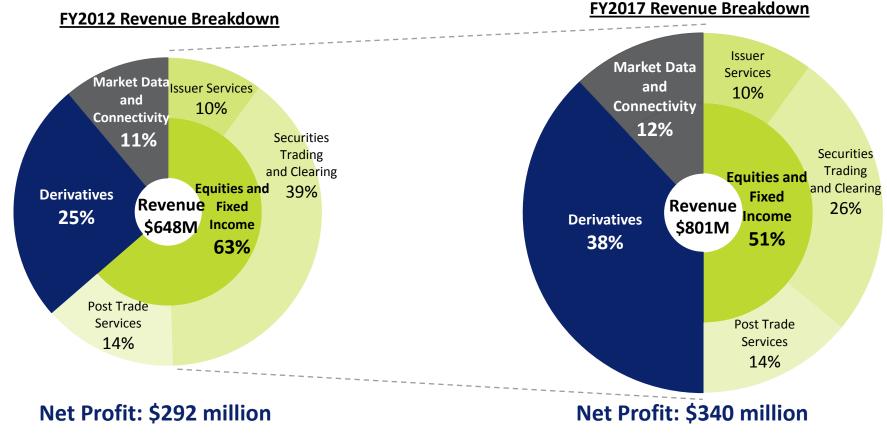
Three business units covering the entire exchange value chain, resulting in diversified and resilient revenue streams.





Revenue Breakdown by Business Lines

Successfully achieved diversification of revenues. Revenue contribution from Derivatives grew from 25% in FY2012 to 38% in FY2017.



Note: Numbers may be subject to rounding *Source: SGX. Data as of FY2017*



International Footprint

Anchored in Singapore with global reach, serving a diverse set of international clients seeking Asian opportunities.



Key Clients

- **Sell-side participants** Clearing & Trading Members and partner brokers who act as agents to clients.
- Interdealer brokers Facilitate execution of business between clients of our Members
- Corporate trade clients Use our derivative products for hedging their risks e.g. Steel Mills; Insurance firms; Oil companies ...
- Institutional investors Including funds that invest in our market for various investment needs e.g. hedging, income, growth ...
- Proprietary Trading Groups Companies that trade on markets using their own capital. Examples include market-makers and liquidity- providers.

Attained the required regulatory standards to service US and European customers

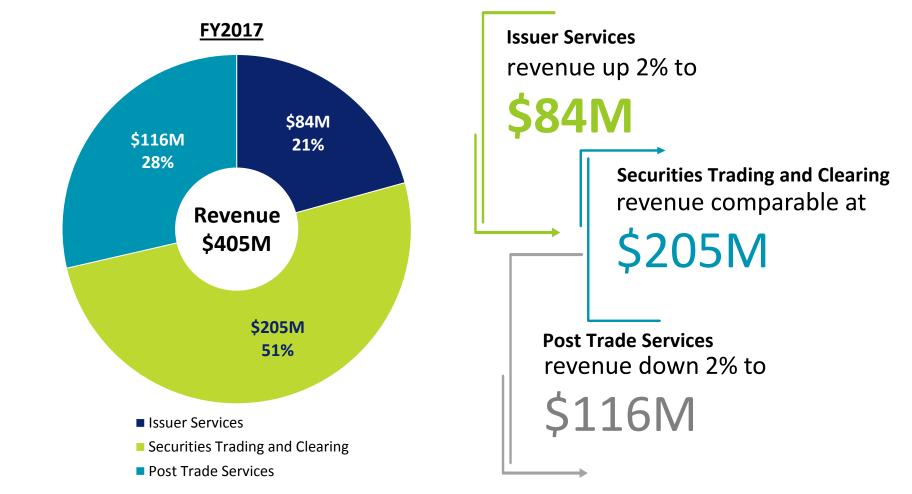
- Derivatives Clearing Organization (DCO) and Foreign Board of Trade (FBOT) from the US Commodity Futures Trading Commission (CFTC).
- Recognized by the European Securities and Markets Authority (ESMA) as a third-country central counterparty.



Equities & Fixed Income



Overview Equities and Fixed Income

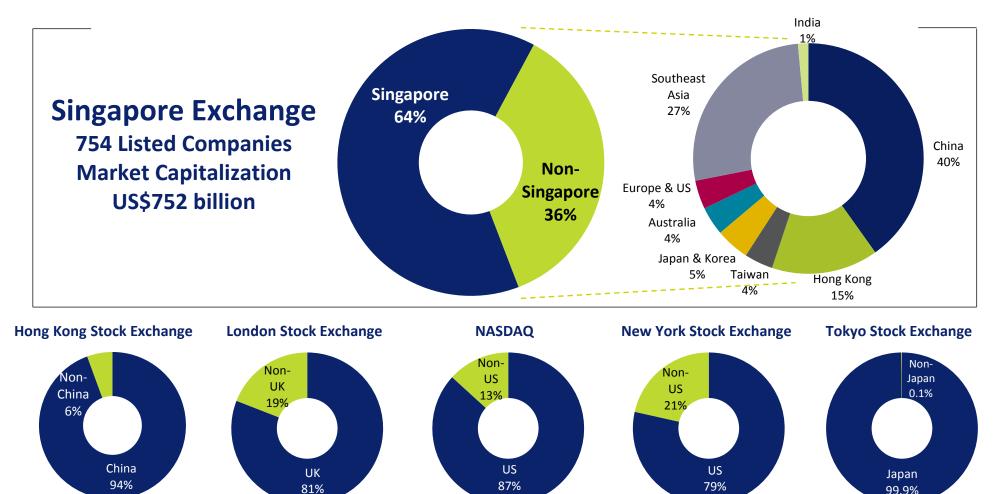


Note: Numbers may be subject to rounding. Comparatives are based on figures for a year earlier in FY2016 *Source:* SGX. Data as of FY2017



SGX is the Most International Exchange

Nearly 40% of all companies listed on SGX are overseas companies.



Source: World Federation of Exchanges (Aug 2017), Companies' Website and Singapore Exchange (Sep 2017)



Top Sectors on SGX

Consumer

PE: 17x



- Includes agri-commodities, food & beverage and retail
- 150 companies with market cap of US\$107 billion

Technology

PE: 16x

- Includes information & communications technology, medical technology and financial technology
- 78 companies with market cap of US\$62 billion

Healthcare

PE: 43x



- Full range of companies from pharmaceuticals, healthcare services to medical devices technology
- 31 companies, 2 REITs and 1 Trust with market cap of US\$43 billion

Maritime & Offshore Services

PF: 22x



- Asia's largest cluster of listed companies
- 55 companies and 2 business trusts with market cap of US\$23 billion

Mineral, Oil and Gas

Companies in exploration,

mineral or oil & gas

US\$2.2 billion

development and production of

29 companies with market cap of

PB: 3.0x



Real Estate

PB: 0.95x



- Asia's broadest range of real estate companies and property trusts covering global real estate assets
- 107 real estate companies and property trusts with market cap of US\$144 billion

Source: Bloomberg & Singapore Exchange (Sep 2017)



Growing Listings And Trading Activities

Higher funds raised, healthy IPO Pipeline, and Increasing Daily Trading Activity

Equity Listings

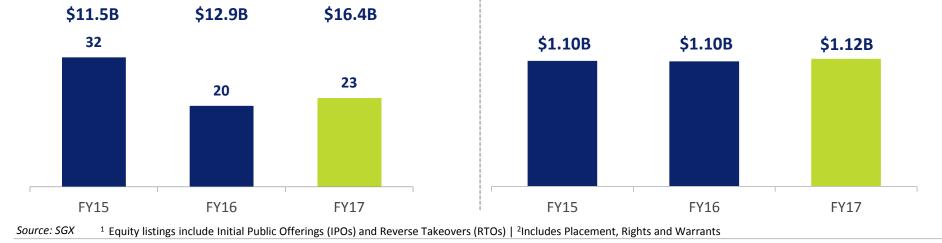
- 23 listings in FY2017, 10% higher YoY
- S\$16.4B funds raised, 27% higher YoY

Equity Listings¹ and funds raised²



- FY2017 SDAV 2% higher YoY
- STI Index up 14% YoY
- Total Market Capitalization up 13% YoY to exceed \$1 Trillion

Securities Daily Average Traded Value (SDAV)





Resilient Trading in Equities

Growth in trading of securitized products



Securities Total Value Traded (\$B)

Note: Figures may be subject to rounding

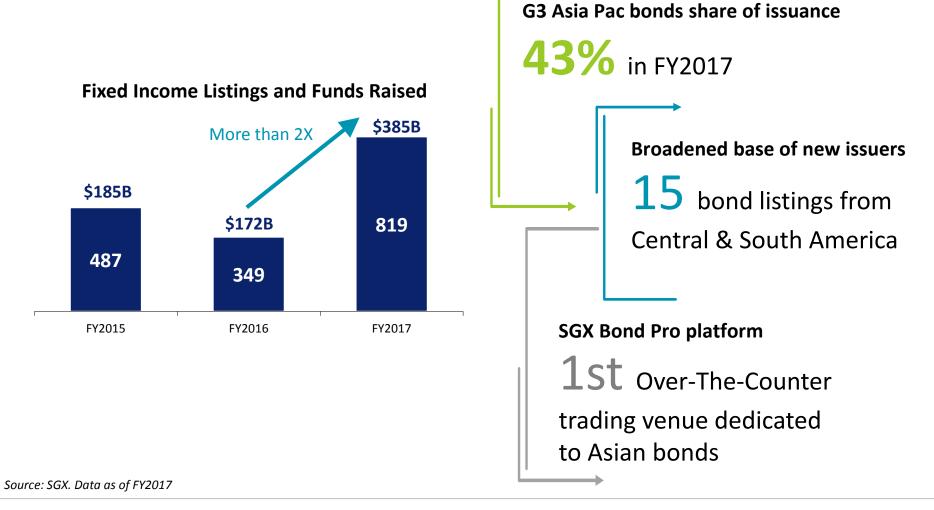
¹Equities include ordinary shares, real-estate investment trusts, business trusts and company warrants

² Other products include structured warrants, exchange-traded funds, daily leverage certificates, debt securities, and American depository receipts

³ In January 2015, the clearing fees for Structured Warrants was revised from 3.25bp to 0.4bp



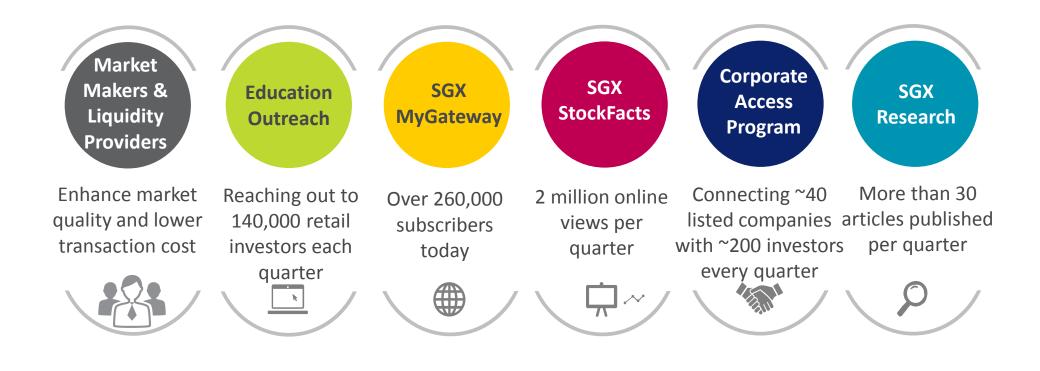
Increase In Fixed Income Listings And Market Share





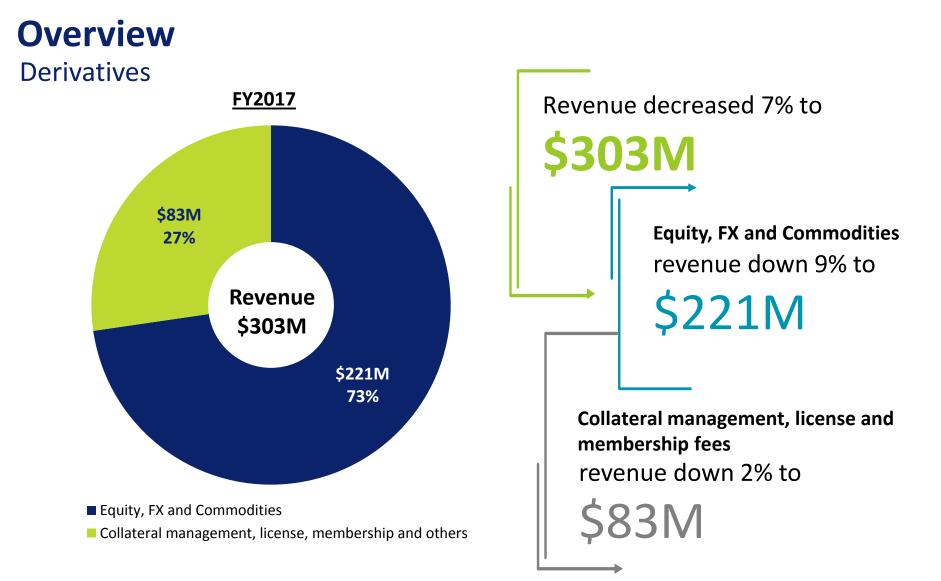
Build Liquidity & Profile Companies

Continuing our efforts in increasing trading activity



Derivatives

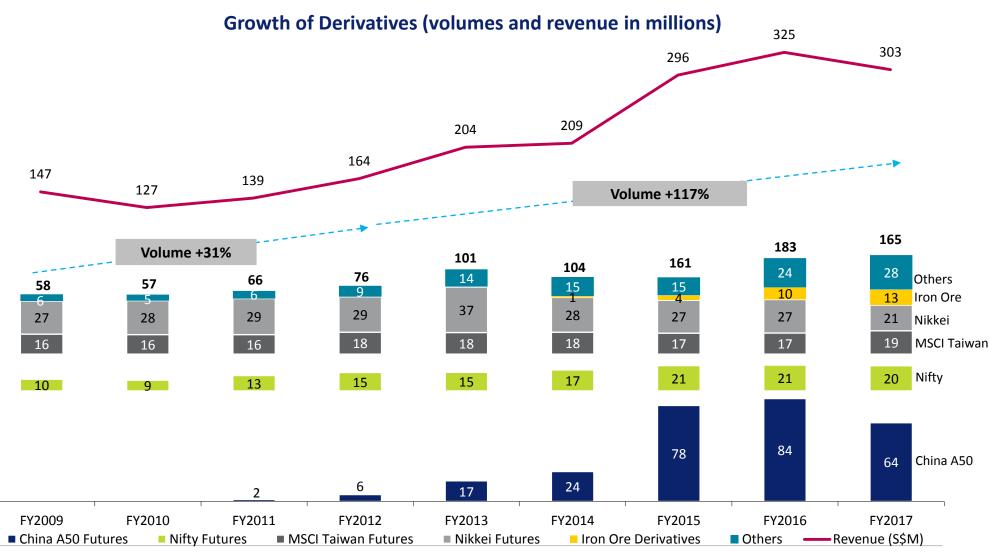




Note: Numbers may be subject to rounding. Comparatives are based on figures for a year earlier in FY2016 *Source:* SGX. Data as of FY2017



World's most liquid offshore market for Asian Derivatives





The only liquid offshore access to China and India

Complementary products, margin netting efficiencies

China		India		
Equity Index Futures	SGX FTSE China A50		Equity Index Futures & Options	SGX Nifty 50 SGX Nifty IT SGX Nifty CPSE SGX Nifty Bank SGX Nifty Midcap 50
Equity Index Futures and Options	MSCI China		Equity Index Futures	SGX MSCI India
FX futures	USD/CNH, CNY/USD, CNY/SGD, EUR/CNH, SGD/CNH		FX futures, options, forwards	INR/USD
Commodities , Futures, Swaps, Options	Iron Ore			

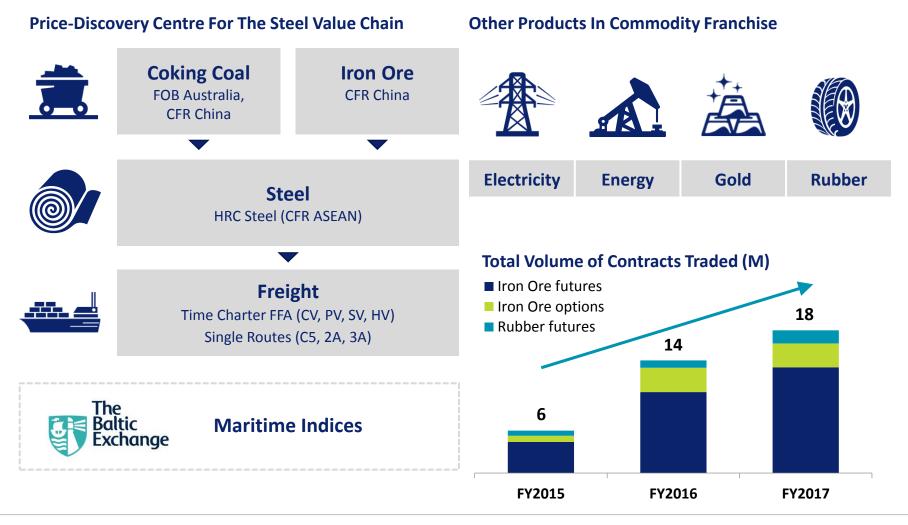
Our Platform

- An integrated Trading and Clearing System offering low-latency high-throughput and enhanced risk controls and system safeguards
- Round-the-clock trading
- Delivering Asia's broadest range of listed derivatives across China, Japan, India, Taiwan and ASEAN
- Efficient client connectivity by putting together an ecosystem of users trading and clearing on-exchange or OTC
- Capital efficiency through the netting of margins



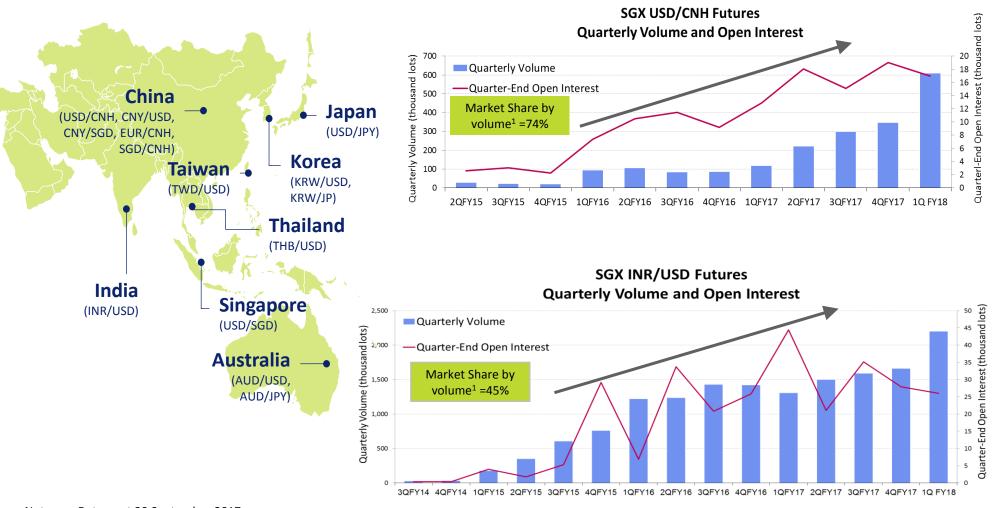
Extensive Suite Of Commodities Products

Complements Singapore's commodities hub status





Liquid Currency Futures



Note: Data as at 30 September 2017

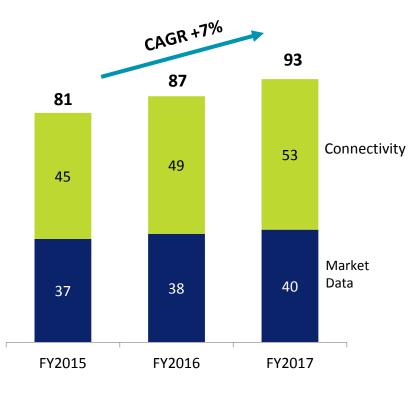


Market Data & Connectivity



Overview

Market Data And Connectivity



- Market infrastructure business driven by increased use of technology in trading
- Supports Securities and Derivatives Trading:

Data:	Price data, Company Announcements, Financial Indices
Connectivity:	Trading system connections, Network linkages and Data center co-location

Note: Numbers may be subject to rounding.

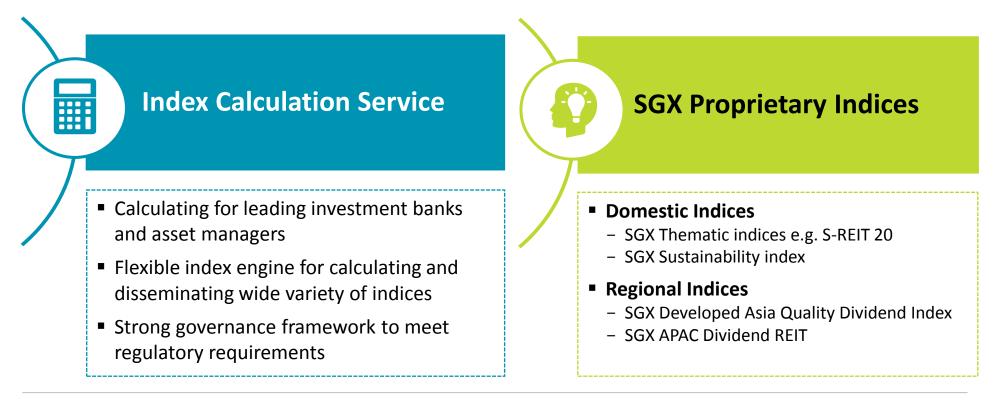
Source: SGX. Data as of FY2017



SGX Index Edge

Serving The Growing Needs Of Index Investing

- Index business established to take advantage of global shift to index-based investing
- Global Exchange Traded Products (index-based) have AUM of > US\$4tn
- Index funds (unlisted) has grown >230% to > US\$ 6tn since 2007



FY18 Strategic Priorities





Grow Asset Classes – Diversification

Size of Market

- US\$5.1 trillion traded daily
- Largest off-exchange (OTC) market globally
- Regulatory trends favour shift to on-exchange trading

Singapore

- US\$500 billion traded daily
- Largest FX center in Asia
 Pacific, third largest globally
- Leading global trading venue for key Asian currencies

SGX



- 21 currency futures contracts
- >70% market share in CNH and > 40% market share in INR

- Asia (ex-Japan) bond market of US\$14 trillion
- Shift towards electronic trading

- Strong distribution network to institutional investors
- Leading listing venue with a 40% share of new G3 issuance
- Launch of SGX Bond Pro

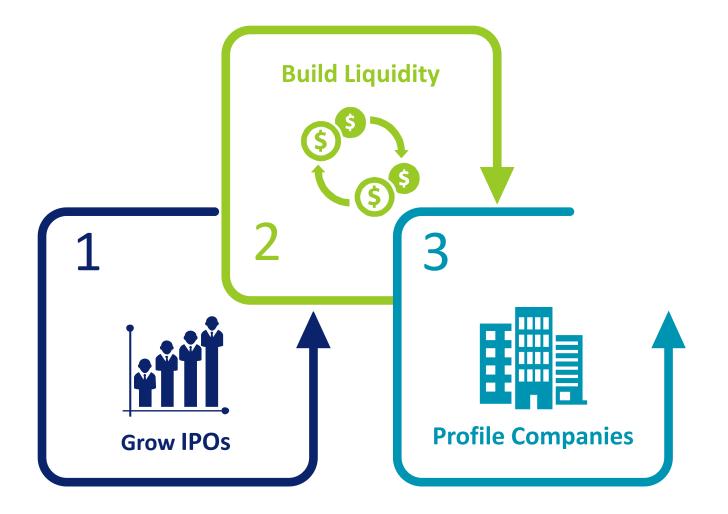


Fixed

Income

FX

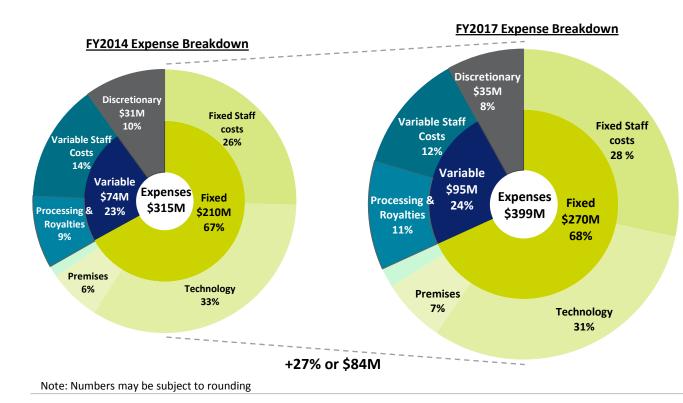
Advance our Securities Market





Expense breakdown by nature

- Investments in building capabilities, acquisitions and business growth
- Cost discipline exercised Achieved flat JAW in FY2017 compared to negative JAW of -4% in FY2016. In 1Q FY2018, positive JAW of +2%
- FY2018 expense guidance of \$425M to \$435M



Variable costs – 24% Discretionary costs – 8%

Fixed costs – 68%

- Variable costs Processing & Royalties expenses are volume-related
- Discretionary costs Focused on distribution capabilities and client-related activities.

Looking Ahead...

- Momentum in market activity to continue
- Focus on growing new asset classes
 - Record trading volumes in FX Derivatives and strong trading activity in securitized products
 - Fixed Income business gaining traction
- Enhance our global distribution network by growing geographically
- Seek opportunities to collaborate with other exchanges
- Evaluate investments and partnerships to grow our FX, Fixed Income and Commodities businesses
- Guidance for FY2018
 - Operating expenses expected to be between \$425M and \$435M
 - Technology-related capital expenditure between \$60M and \$65M



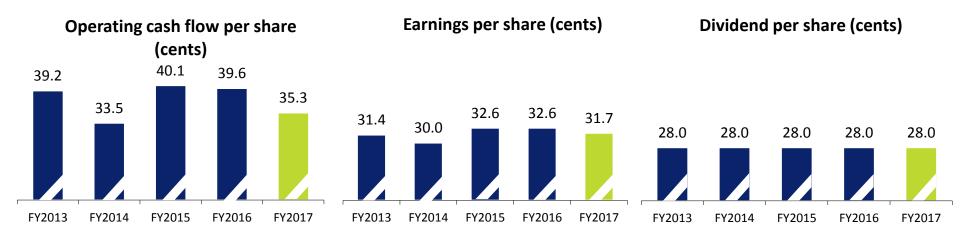


Financials



Financial Performance: Key Indicators (Recent years)

	FY2013	FY2014	FY2015	FY2016	FY2017
Revenue (\$ million)	714	686	779	818	801
Operating profit (\$ million)	413	371	402	409	402
Operating profit margin	58%	54%	52%	50%	50%
Net profit (\$ million)	336	320	349	349	340
Return on equity	39%	35%	37%	36%	34%
Earnings per share (cents)	31.4	30.0	32.6	32.6	31.7
Dividend per share (cents)	28	28	28	28	28

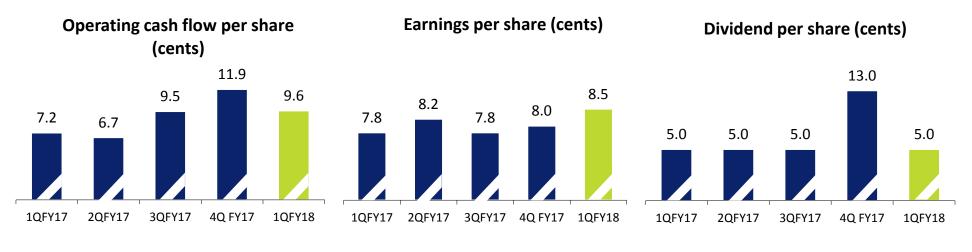


Note: All figures in \$ millions unless otherwise stated and may be subject to rounding



Financial Performance: Key Indicators (Recent quarters)

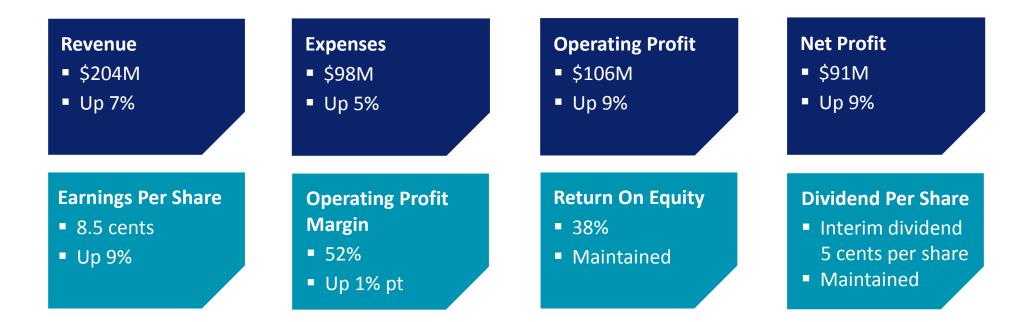
	1Q FY2017	2Q FY2017	3Q FY2017	4Q FY2017	1Q FY2018
Revenue (\$ million)	191	200	203	208	204
Operating profit (\$ million)	97	102	103	99	106
Operating profit margin	51%	51%	51%	48%	52%
Net profit (\$ million)	83	88	83	85	91
Return on equity	38%	38%	36%	34%	38%
Earnings per share (cents)	7.8	8.2	7.8	8.0	8.5
Dividend per share (cents)	5	5	5	13	5



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First Quarter FY2018 Highlights

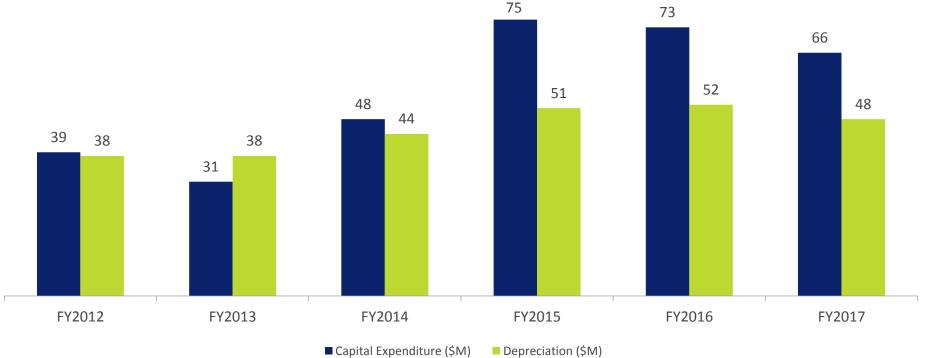


- Net profit of \$91M, up 9% from a year ago, up 6% quarter-on-quarter
- Positive JAW of $2\% \rightarrow$ Revenue up 7%, Operating expenses up 5%.
- Operating profit margin \rightarrow 52%, Earnings per Share 8.5 cents, Dividend per share 5 cents



Technology CAPEX and Depreciation: Annual Trend

- FY2017 investments were mainly for the migration to a new secondary data centre, enhancements to our securities post-trade system, and improvements in operational resiliency.
- FY2018 CAPEX guidance of \$60-65M.



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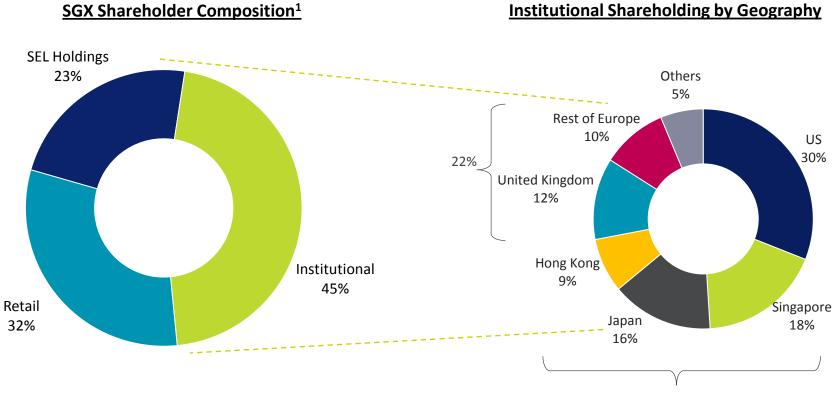


Appendix



SGX Shareholders' Profile

Broad shareholding base with domestic retail shareholders, as well as domestic and international institutions



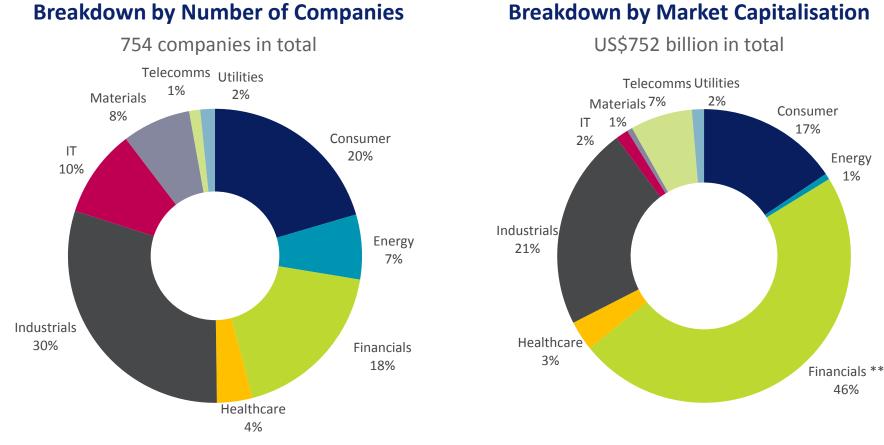
Asia =43%

¹ As of September 2017



Diversity of Industries on SGX

SGX is the listing venue of choice for companies from varying sectors



Breakdown by Market Capitalisation

* Real Estate accounts for 14% of the 754 companies Note:

** Real Estate accounts for 19% of the total market capitalisation of US\$752B

Singapore Exchange & Bloomberg (Sep 2017) Source:



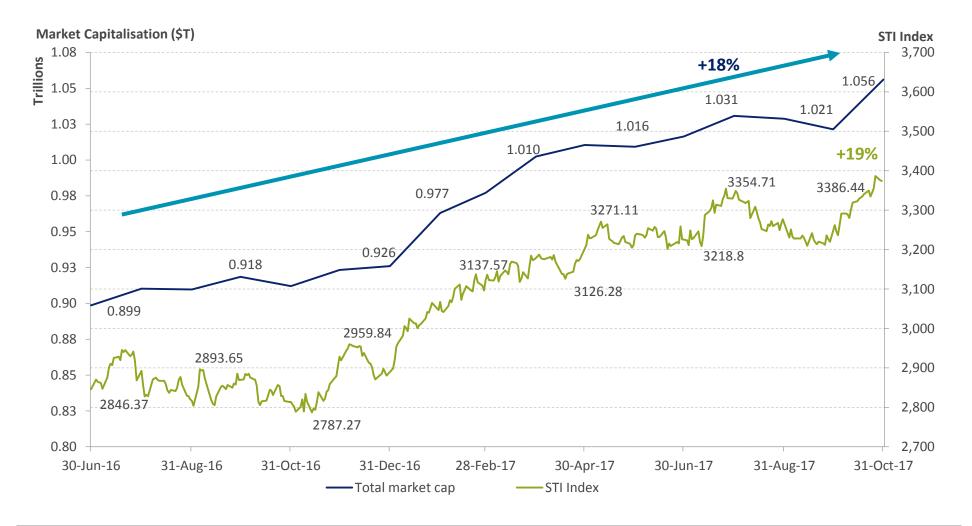
Energy

1%

46%

Growth of Market Capitalization & STI Index

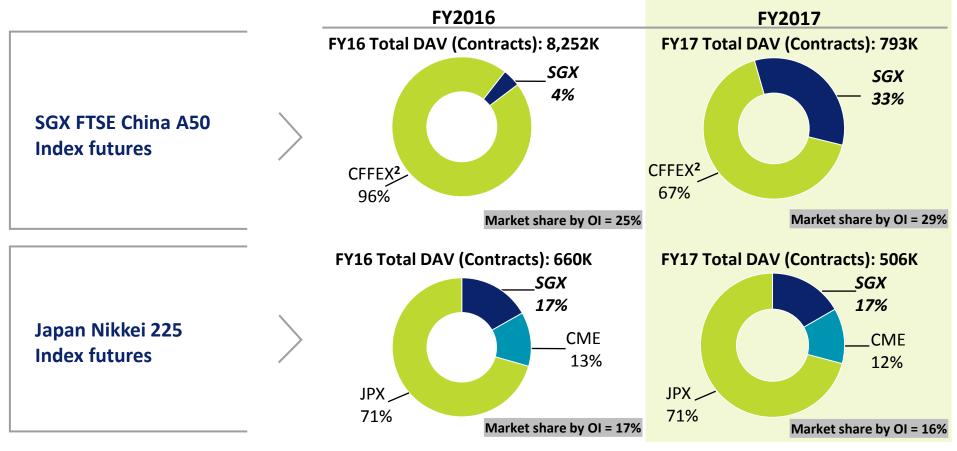
Overall market capitalization grew 18% since 30 June 2016. STI Index rose 19% over the same period.





Derivatives – Equities Volume Market Share

- Volume market share in key contracts growing or maintained
- Market share by Open Interest(OI) comparable or higher year-on-year



Volume Market Share of Key Contracts¹

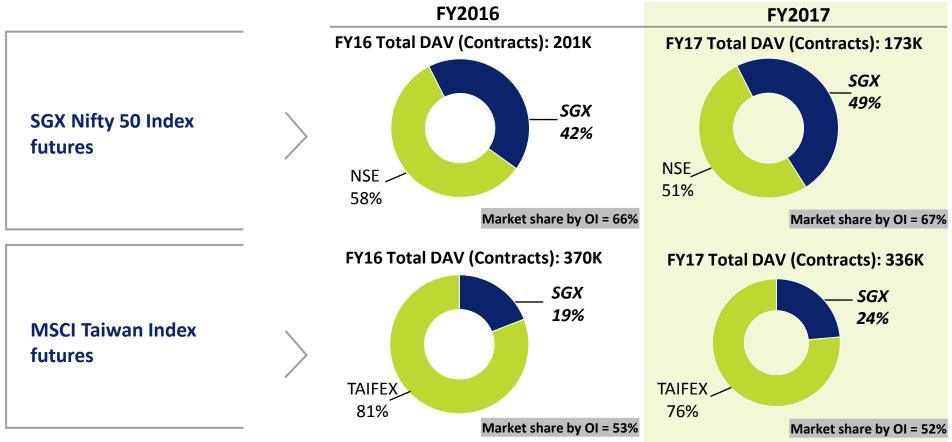


Note: All figures in \$ millions unless otherwise stated and may be subject to rounding ¹ Contracts of other exchanges have been adjusted to reflect the contract size of SGX contracts.

² CFFEX contracts include CSI300, CSI500 and SSE50.

Derivatives – Equities Volume Market Share

- Volume market share in key contracts growing or maintained
- Market share by Open Interest(OI) comparable or higher year-on-year



Volume Market Share of Key Contracts¹



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