



FPL Singapore

Maximising liquidity opportunities in Asia Pacific

Bob Caisley

Chief Information Officer

23 September 2010

SGX. The Asian Gateway.



Singapore Exchange

- ❑ **The Most International Exchange in Asia**
 - 40% of Listed Companies are from outside Singapore
- ❑ **Sizeable Pool of Growing Derivatives Products**
 - Asian futures & options suite (NK, TW, Nifty, SiMSCI)
- ❑ **Sector Strengths**
 - Globally recognized Marine Offshore & Shipping cluster
 - Wide array of commodity products for trading and clearing (including OTC Clearing)
 - Plantation Resources
 - 2nd largest & most vibrant REIT market in Asia
- ❑ **Transparent & responsive regulatory regime that is well regarded by investors and issuers**
- ❑ **The above translates into investors' confidence in SGX as a listed company**
- ❑ **Market Capitalisation of US\$7bn - 2nd largest listed exchange in Asia**

Reach Initiative

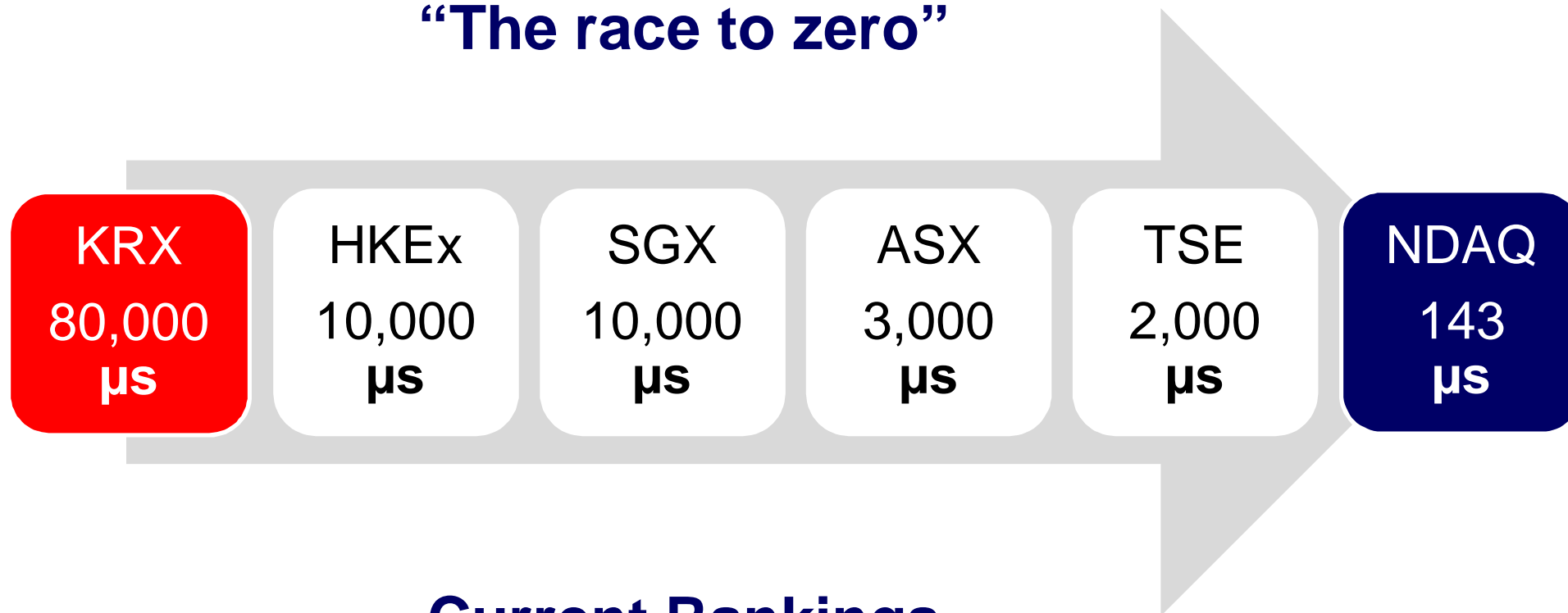
- US\$190m Investment over next 8 years:
 - New Trading Engine – Genium iNET from Nasdaq OMX
 - New state-of-the-art data centre facility
 - Best of breed Co-Location facility
 - Points of Presence in key financial data centres
- Creative combination of technologies:
 - Genium iNET solution from Nasdaq OMX
 - Voltaire InfiniBand switches
 - Voltaire Messaging Accelerator software
 - HP ProLiant blade servers

**Benchmarked Response time of 90 microseconds
in HP labs under supervision of Nasdaq OMX**

World's Fastest Trading Technology



“The race to zero”

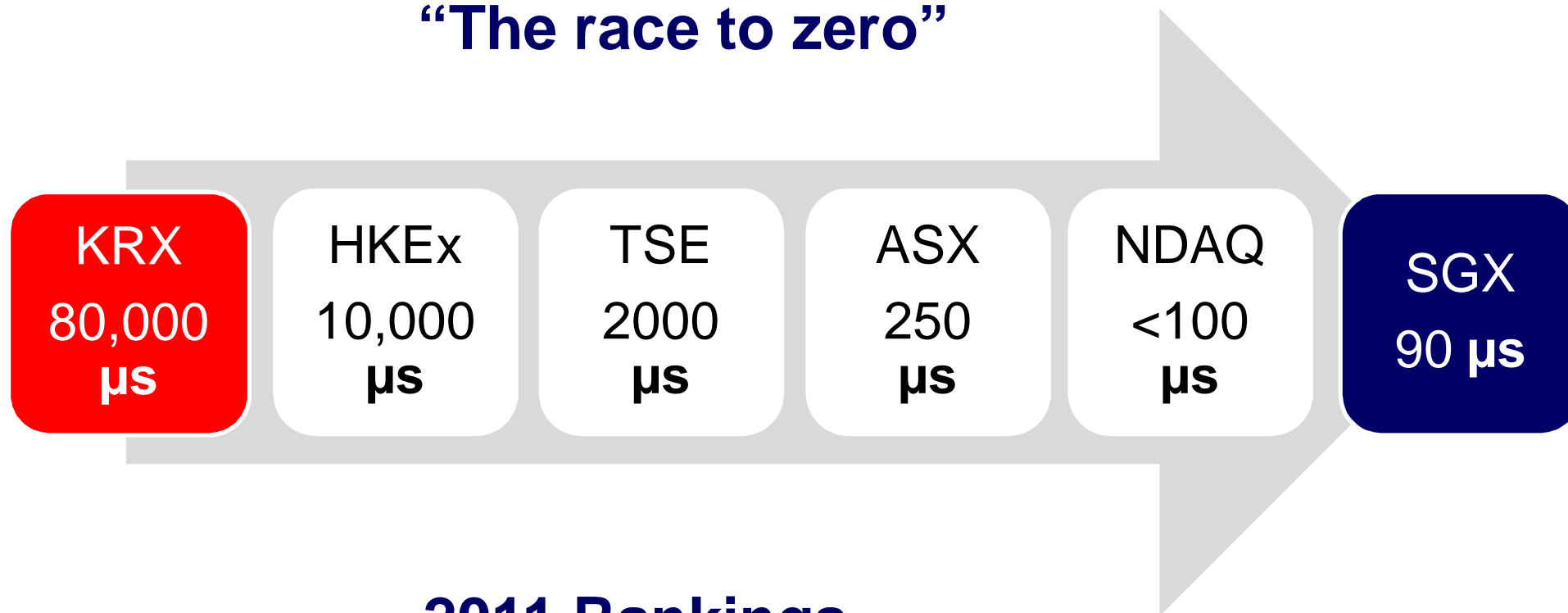


Current Rankings

World's Fastest Trading Technology



“The race to zero”



2011 Rankings.....

How fast is 90 μs ?

- 1 μs is equal to one millionth (10^{-6}) of a second
- The average human eye blink takes 350,000 μs
- A camera flash illuminates for 100,000 μs
- Standard camera shutter speed opens the shutter for 8,000 μs

Imagine if a person could travel from Singapore to New York within the blink of an eye

Now imagine travelling there and back 3,889 times in the blink of an eye – each trip is 90 microseconds

Launching new co-location services

- New tier-4 data centre:
 - Latest state-of-the-art technology
 - Equipped with latest monitoring tools
 - Employment of Green technologies
 - Biometric, video surveillance, high security
- New co-location Facility:
 - Choice of power options
 - Pass through power charges
 - High touch services
 - Range of connectivity options
 - Caged and Private vaults on application
 - Managed and operated by SGX



Building trading hubs

- SGX will establish trading hubs in London, Tokyo, New York and Chicago
- Investing in low latency standardised access - FIX and OMNet API gateways and low latency international circuits
- Implementing pre-execution checks at the Exchange



SGX GlobalQuote - ADRs

- For the first time ever, trade US-listed Asian companies in Asia
- Full fungibility via an innovative 24-hour transfer link
- Guaranteed settlement in Singapore
- No stamp duty or sales tax
- No shorting restriction



Top 10 ADRs on GlobalQuote by Turnover

No.	ADR Name	SGX Trade Symbol	ADR 6-mth Daily Turnover (US\$m)	Market Cap (US\$b)
1	Baidu.com Inc	K3SD	770	16.2
2	China Mobile	K3PD	103	199.7
3	Suntech Power	K3ND	87	2.7
4	Netease.com	K3MD	75	4.9
5	Ctrip.com	K3RD	64	4.9
6	PetroChina	K3OD	57	355.2
7	Trina Solar	K3KD	55	1.7
8	Shanda Interactive	K3LD	53	3.5
9	China Unicom	K3ID	34	27.9
10	Mindray Medical	K3QD	28	4.1

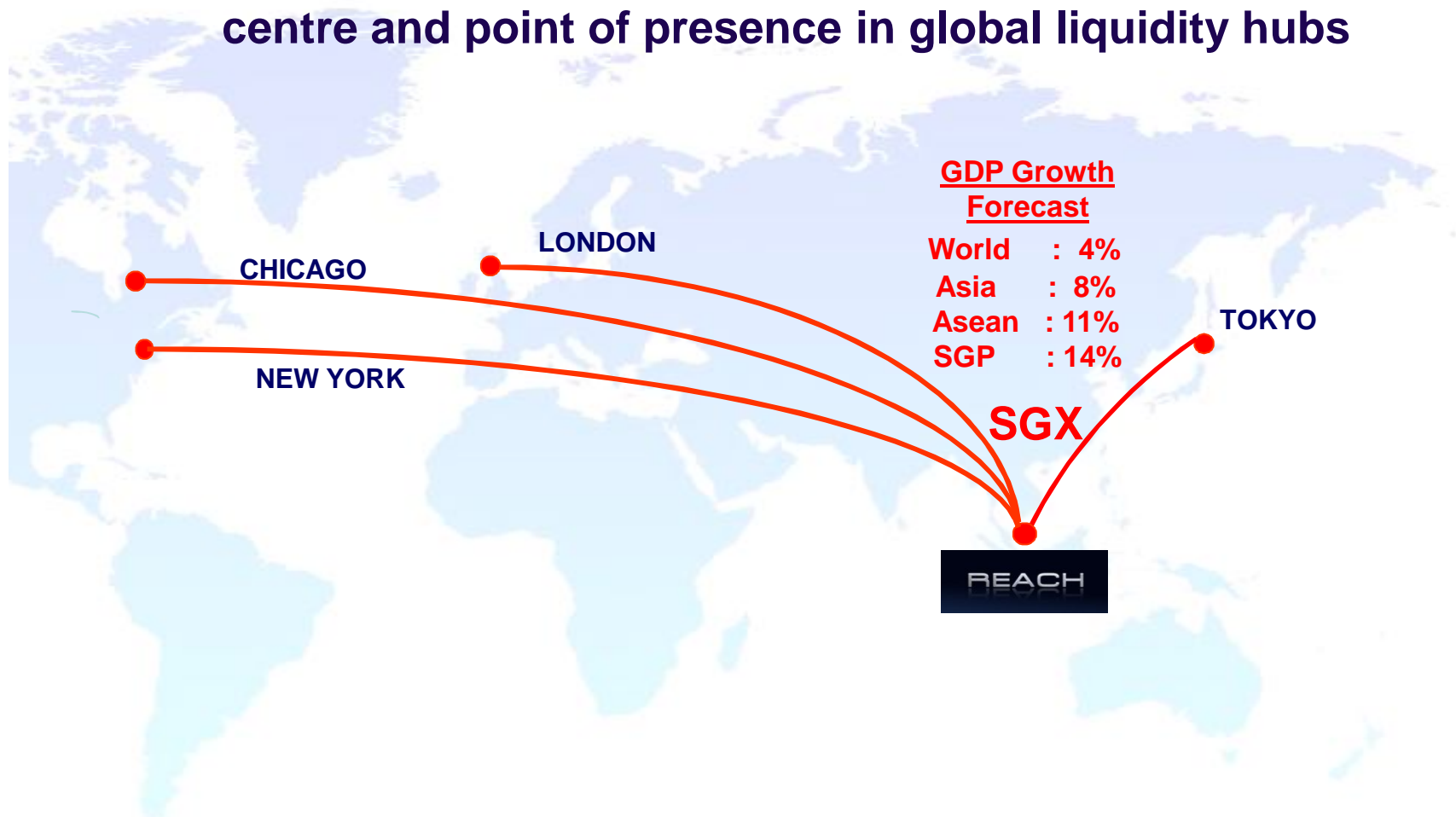
Chi-East

- First exchange-backed trading platform in Asia-Pacific
- Provides an important block trading venue for Asian markets
- Attracts new participants and improving the trading environment in the region
- Trading in Singapore, Japan, Australia and Hong Kong listed securities
- The appointed clearing houses are:
 - CDP for SGX listed securities
 - HKSCC for HK listed securities
 - LCH for Japan and Australian listed securities



SGX - Asia with global reach

- Key growth drivers: Distribution & products
- Reach initiative: Fastest trading engine, state-of-the-art data centre and point of presence in global liquidity hubs





THANK YOU

SGX. The Asian Gateway.

