

# **Ecosystem Forum 2013**

March 21, 2013

#### Richard Leung Senior Vice President, Co-Head of IT Division













## **Agenda**



1 HKEx Group Strategic Plan 2013-2015

2 HKEx Orion updates

## **Group Strategic Vision and Mission for 2013-2015**



#### Vision

To build HKEx into a leading global vertically-integrated multi-asset class exchange...

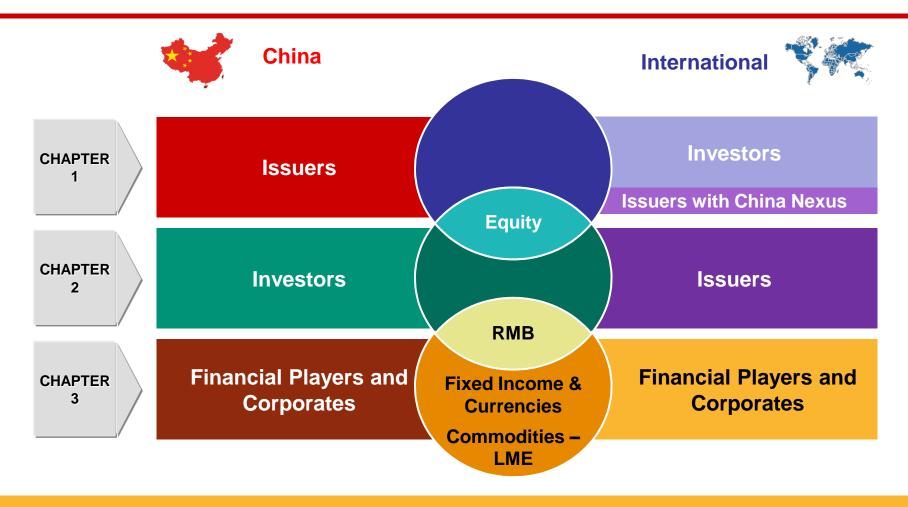
...and prepare ourselves for the managed but accelerating opening of China's capital account

#### **Mission**

Aim to be the Global Exchange of Choice for our China clients and our international clients seeking China exposure

# Why Have We Succeeded? Because We Have Provided China with the <u>Right Value</u> Proposition at the <u>Right Time</u>



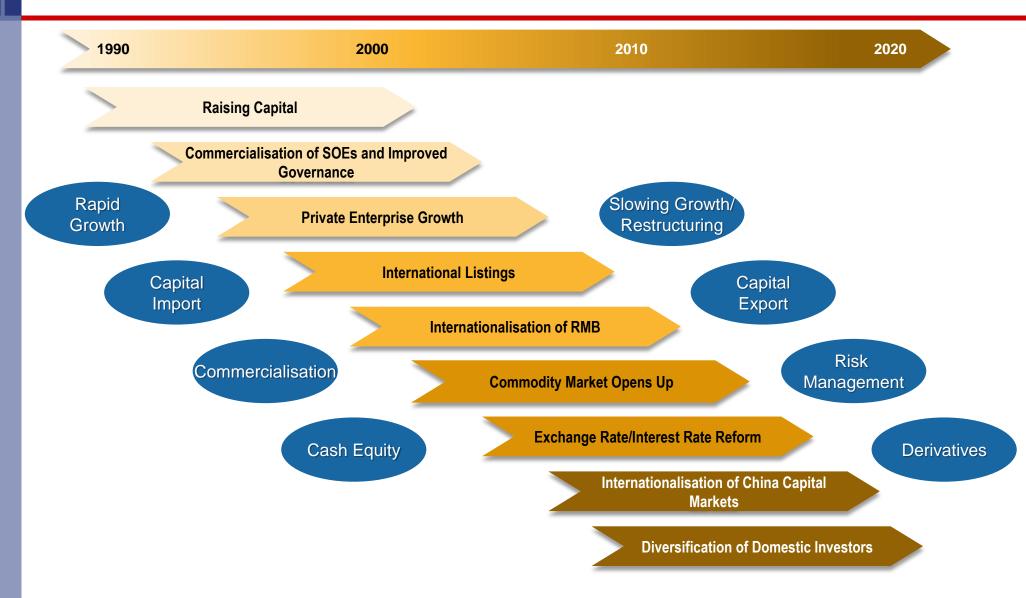


Chapter 1 – Money inflow to China (Capital Import)
Key Difference:

Chapter 2 & 3 – Money flows out of China (Capital Export)

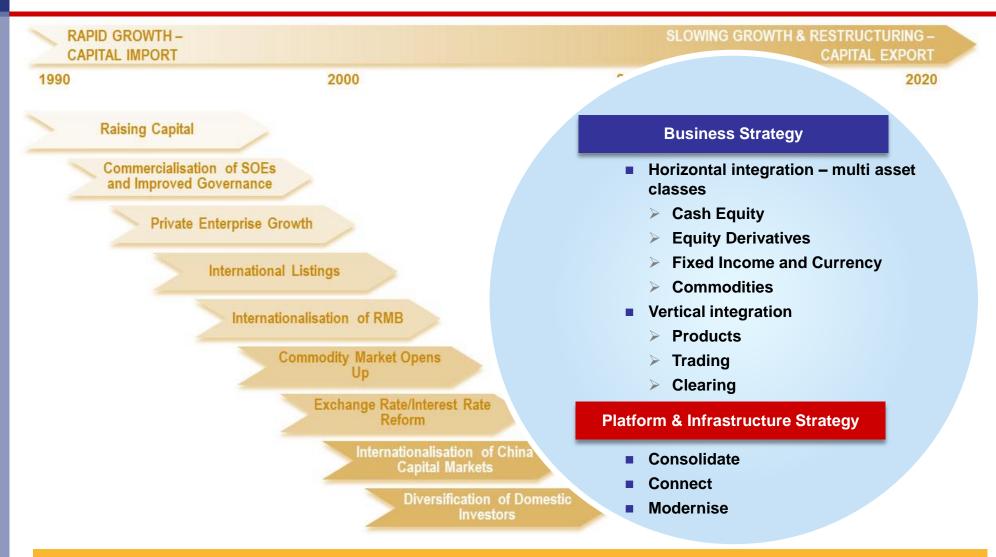
## **Evolution of China's Growth Story**





#### HKEx Strategic Plan 2013-2015 — Leverage China's Capital Account Opening and Aim for Global Leadership

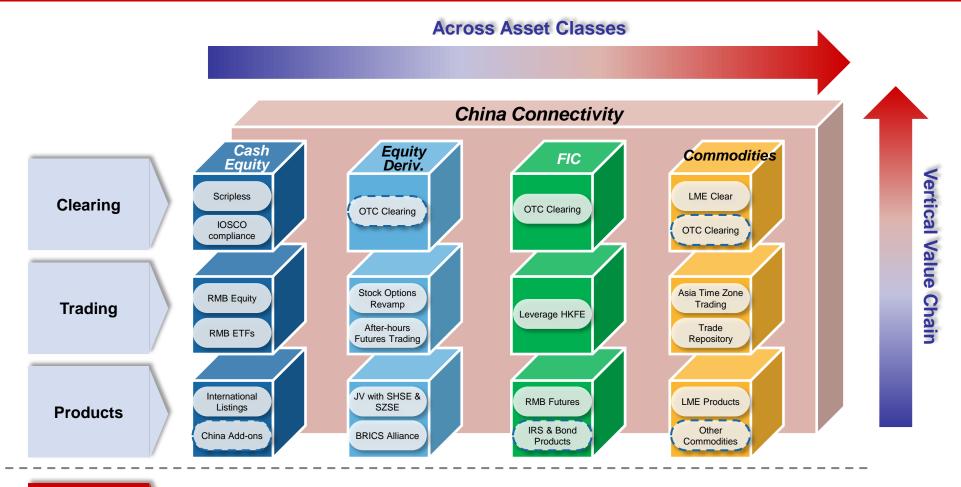




Strategic Focus 2013-2015: Mutual Market Access with China + Global Leadership

# HKEx Group Business Strategy = Horizontal Asset Classes + Full Vertical Integration







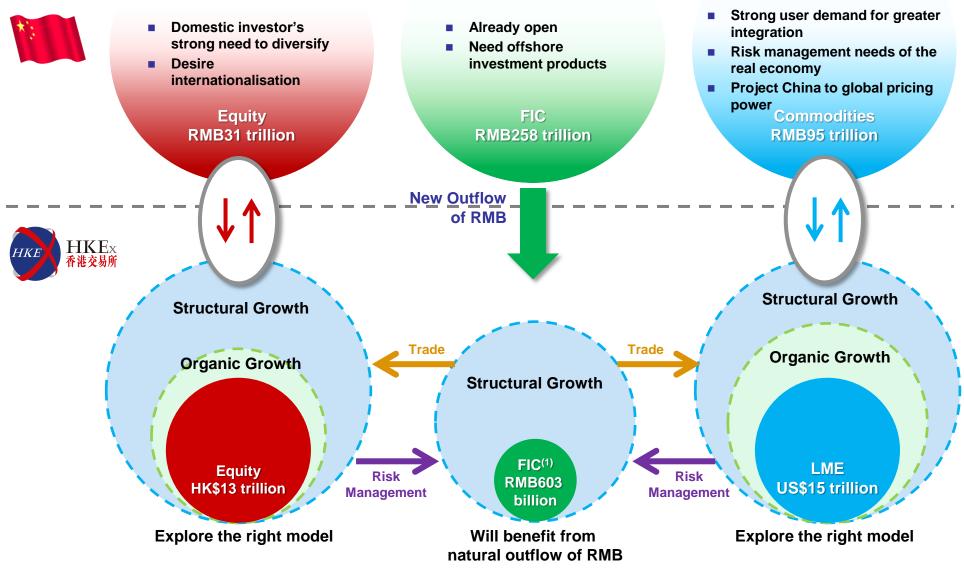






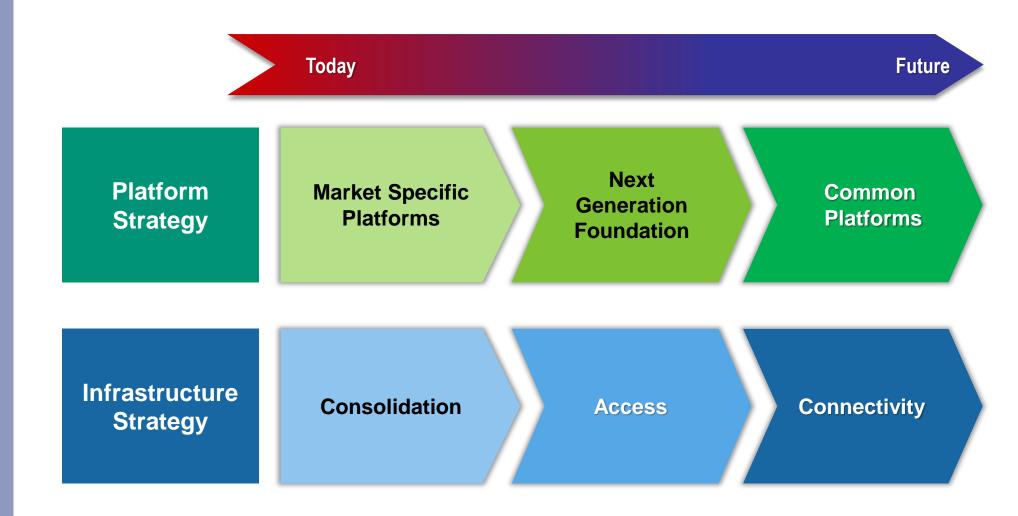
# Leverage LME as a Catalyst to Facilitate an Accelerated Capital Account Opening





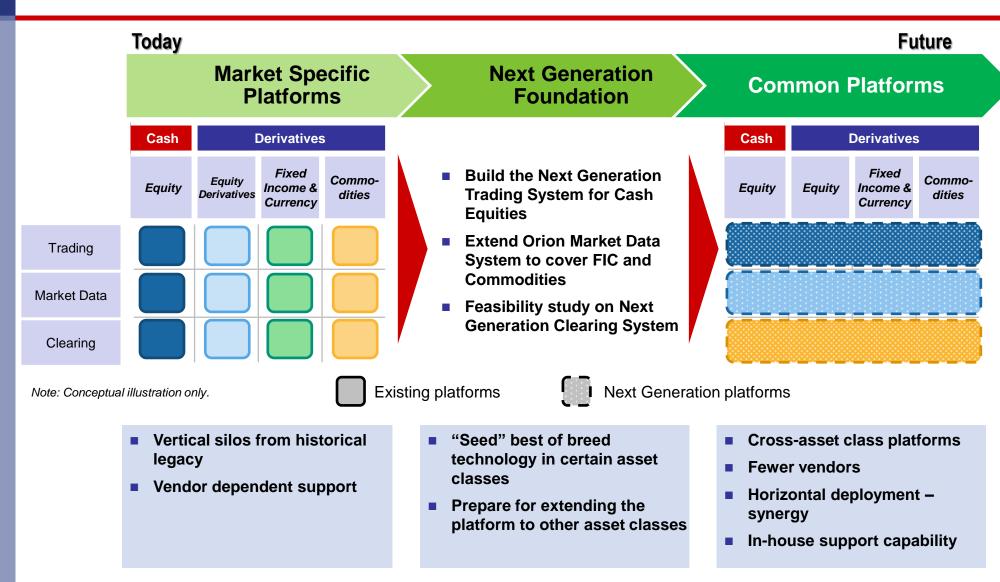
# **Strategic Plan 2013-2015 – Platform and Infrastructure Strategy**





### Platform Strategy – Transitioning to Cross-Asset Common Platforms





### Infrastructure Strategy



Today Future

Consolidation

Access

Connectivity

#### **TKO Data Centre**



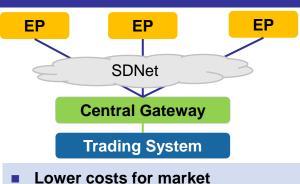
- Consolidate IT offices and multiple data centres – operational efficiency achieved
- Cash system migrated in Oct 2012
- Foundation for Next Gen platforms

#### **Hosting Services**



- Lower latency & ecosystem
- Launched in Dec 2012

#### **Central Gateway**



#### **Mainland Market Data Hub**

- Mainland WOFE set up
- Distribution of Market Data to Mainland via data hub

#### **LME Point of Presence in HK**

Facilitate Asian participants' access to LME

#### **Global Networks**

- Increase exposure to overseas participants
- Attract global network into our ecosystem so that we can receive increased overseas liquidity

## **Conclusion on Strategic Plan 2013-2015**



**Strategic Vision:** 

To build HKEx into a leading global vertically-integrated multi-asset class exchange

**Foundation:** 

Continuing growth of HKEx's core business

**Opportunity:** 

Managed but accelerating opening of China's capital account

**Key Catalyst:** 

The acquisition of the LME

Mutual Market Access + Global Leadership

## **Agenda**



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## **Leading Hong Kong's Next Transformation**

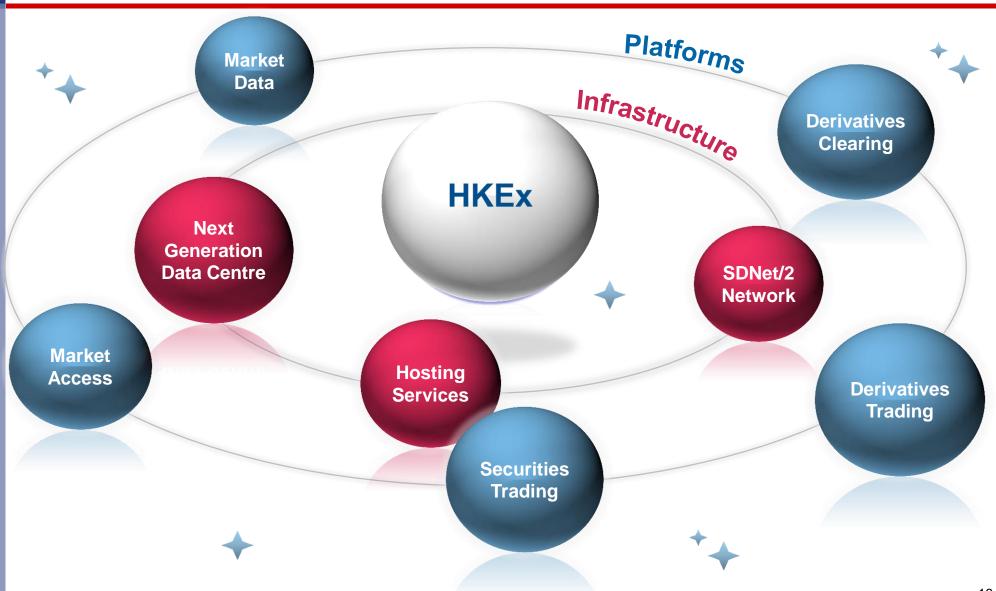


# **Leading Hong Kong's Next Transformation**



# **Essential Technology Investment**





### Infrastructure



Next Generation Data Centre

- ✓ State-of-the-art
- ✓ Consolidation of legacy HKEx data centres

Hosting Services

- ✓ Low latency access to HKEx platforms
- √ Tier-4 standard hosted ecosystem

SDNet/2 Network

- ✓ Higher bandwidth
- ✓ Competitive pricing

### **Platforms**



Market Data

Market Access

- ✓ Suite of market data products
- ✓ Remote distribution (e.g. Mainland)
- ✓ Cost reduction
- ✓ Additional functionality

Securities Trading

- ✓ Enhancements and revision of legacy functionality
- ✓ Lower latency and higher capacity

Derivatives Trading

> Derivatives Clearing

- ✓ Increased capacity to support options market expansion
- ✓ Industry leading low latency trading platform
- ✓ Increased performance and throughput capacity
- ✓ Faster response time to daily operational processing

#### SDNet/2



#### Circuit migration planned for 3 phases

- Phase 1 AMS/3 & MDS/IIS (2700 circuits, completed Jul 2012)
- Phase 2 HKATS/DCASS/PRS (1250 circuits, completed Mar 2013)
- Phase 3 CCASS/3 & CCMS (900 circuits, commenced Mar 2013)

Participant briefing completed Feb/Mar 2013

Circuit application
Mar 2013

Circuit installation
Apr – mid Jun 2013

Market rehearsal end Jun – mid Jul 2013

Circuit migration (2-3 batches) end Jul – early Aug 2013

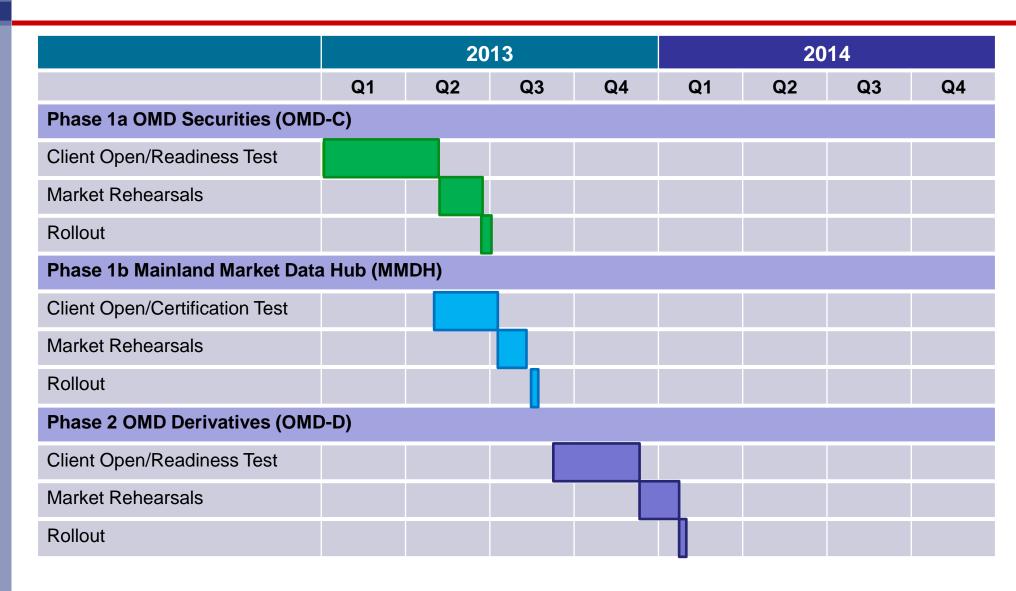
# **Orion Market Data (OMD)**



OMD Implementation	Status
<ul> <li>Phase 1a – OMD Securities (OMD-C)</li> <li>Securities Standard</li> <li>Securities Premium</li> <li>Securities FullTick</li> <li>OMD Index</li> </ul>	<ul> <li>First batch client rollout on-boarding in progress:</li> <li>Client Readiness Test till April 2013</li> <li>Market Rehearsal target for May/Jun 2013</li> <li>Second batch client rollout on-boarding schedule to be announced.</li> </ul>
Phase 1b – Mainland Market Data Hub (MMDH)  • Securities Standard	<ul> <li>Feed Enrollment up to end Mar 2013</li> <li>Testing lines to be installed by April 2013</li> <li>Client connecting to MMDH for testing from April 2013</li> </ul>
<ul> <li>Phase 2 – OMD Securities (OMD-D)</li> <li>Derivatives Standard</li> <li>Derivatives Premium</li> <li>Derivatives FullTick</li> </ul>	<ul> <li>Feed Enrollment to commence in April 2013</li> <li>On-boarding tools &amp; canned data to be available in Q2 2013.</li> </ul>







## **Orion Central Gateway (OCG)**



- OCG Software Development and Testing is in progress
- EP and BSS Vendor Readiness

#### Completed Events

- ✓ EP Briefing Session & Publication of Interface Specification (Oct 2012)
- ✓ Technical Briefing Session & Release of Offline OCG Simulator (Dec 2012)

#### Upcoming Events

- > EP Enrollment and submission of OCG Simulator test results (Q2 2013)
- > End-to-end Test (Q3 2013)
- Market Rehearsals (Q4 2013)
- Rollout (Target Q4 2013 subject to result of MR)





Events	Q4 2012	Q1 2013	Q2 2013	Q3 2013	Q4 2013
Distribution of Offline OCG Simulator					
EP Enrolment					
EP Submission of Simulator Test Results					
OCG End-to-end Test					
Market Rehearsals					
Rollout					

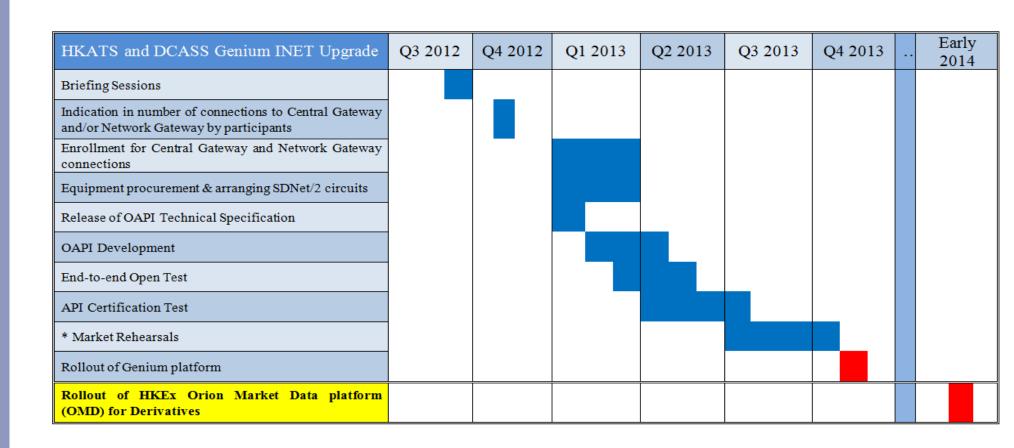
## **HKATS & DCASS System Upgrade**



- Backend platform migration from OpenVMS & Windows to Linux.
- Introduction of high speed message bus for capacity increase & latency reduction.
- Largely compatible with current version in terms of OAPI and frontend GUI.
- OAPI development environment opened up for Participant development since late March 2013.
- OAPI program certification to be completed prior to Market Rehearsal.
- Hardware procurement (e.g. Linux Network Gateways, SDNet/2 circuits, etc.), where appropriate, and software installation should be completed before Market Rehearsal.

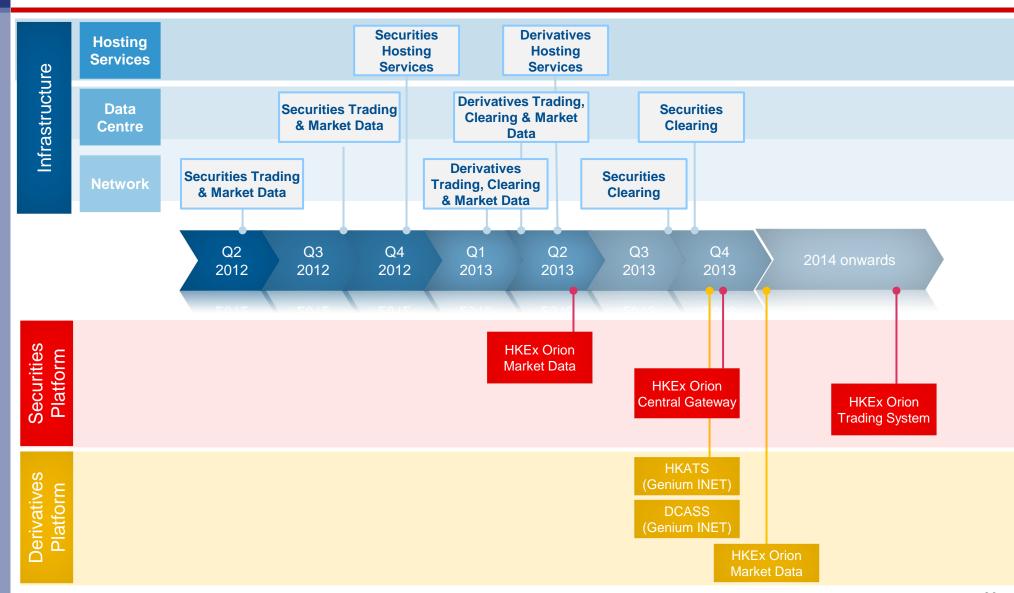
## **Tentative Implementation Schedule**





## Implementation Schedule





# **Thank You**