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#### **MEDIA WORKSHOP**

#### INTRODUCTION TO THE LME





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#### Agenda



### Agenda



## London Metal Exchange

From 1877 to today

#### The origins of LME goes back even further...

- 1. Origins in The Royal Exchange, London from 1571
- 2. The Jerusalem Coffee House, Cornhill, London early 1800
- 3. The London Metals and Mining Co. **1877** (*Initial metals: Copper and Tin*)

#### Originate from the need to formalise trading into one market place with:

- fixed trading times
- standard contracts specifications
- source of price 'discovery'







## **The London Metal Exchange**

New contracts have been added to the initial Copper and Tin, over the past ~100 years



Each year, the exchange reviews its contracts and looks to launch new products to meet the needs of the industry.

### LME Volumes 2002 - 2015

In 2015, 169.6 million lots, down 4.3% from 2014, \$11.9 trillion and 3.8 billion tonnes



### LME Average Daily Turnover

#### 670,189 lots on average per day in 2015



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### The LME is the leading metal exchange

#### LME Share of exchange metal traded



### **Global commodity markets are down**

Only Tin is up since 2007 whilst lead is flat Losses as much as 72% Nickel and 87% Baltic Dry Index



Source: LME, Bloomberg

### **Primary services of the LME**



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### A diverse marketplace





### Hedger vs. Financial Player

A *Hedger* starts *with* a price exposure, buys or sells futures contracts, and therefore offsets the price exposure.

A *Financial Player* starts *without* price exposure, buys or sells futures contracts, and takes on price exposure





### The physical and paper market



# The Ring: global reference price

The home of global metals markets since 1877



1800s

1950s







2000s

1970s



### The LME today

Three venues providing execution choice



### LME traded and cleared currencies

#### LME contracts trade in US Dollars

LME contracts can also be cleared in the following currencies:

- Euro
- GB Sterling
- Japanese Yen
- And in RMB when it becomes a freely tradable currency







### The LME contract

#### Multiple benefits to using LME contracts

#### **Clearing house guarantee**

 Cleared contract holders are guaranteed financial settlement by LME Clear in the event of a counterparty default

#### Transparent, reliable pricing

- Fully transparent electronic market
- Ability to participate in setting Official and Closing Prices



#### **Multiple Broker Execution**

- Ability to execute through and hold positons with multiple brokers
- Wide range of competitive brokers

#### **Deepest liquidity**

 All market interest comes together to form best market prices

### LME prompt date structure

The LME's prompt date structure runs daily for the first 3 months, then weekly until the end of the 6<sup>th</sup> month and then monthly out to 123 months, for Copper and Aluminium





3<sup>rd</sup> Wednesday (monthly) prompt dates are available in all months

Trading horizon for other metals: Lead, Nickel and Zinc out to 63 months, Aluminium Alloy and NASAAC out to 27 months, Tin, Steel Billet, Cobalt and Molybdenum out to 15 months

# **Rolling prompt dates**

#### Tom

Tomorrow's date

#### Cash

Two business days from today (sometimes called 'Spot')

#### 3 months

3 calendar months from today

#### Two day settlement

Contracts are closed two days prior to the prompt date and settled on the prompt date



### LME and OTC markets



### Introducing Flex...

#### Increased product flexibility with the benefits of exchange trading & clearing







### **Warehouse Locations**

### Over 650 warehouses approved by the LME - 14 countries, 35 locations & LME Shield with MOU to develop along Belt and Road routes



# LME delivery: why?



### LME role in storage



### **LME Warehouses - Deliveries**

In 2015, 2.23 million tonnes were delivered in and 3.77 million tonnes were delivered out



### LME location approval process



### Warehouse companies approval



### LME warehouse reform programme

#### Reaching the conclusion of the delivery pathway



### **Queue reduction following reform...**

Copper queues now believed to be entirely operational, whilst aluminium queues are steadily decreasing





### **Discussion Paper items**



Options which modify the LME ecosystem to reduce the drivers of high charges







#### **LMEshield**

#### A new service for all metal receipt users



#### LMEshield – secure and effective commodity receipting

#### **Rationale for LMEshield**

- **2001** LME develops electronic system for warranted-metals, 'LMEsword', with c. 5 million tonnes of metal delivered in and out annually
- 2014 Post-Qingdao, leading banks request LME to extend services and expertise to offwarrant market
- 2016 Using experience gained from LMEsword and with support from commodity trading institutions LME will launch LMEshield



#### How can LMEshield help

#### Warehouses

• Enhanced risk management, improved customer confidence, operational savings



#### Banks financing institutions

• Reduced risk of fraud and standardisation of receipt structure



#### Physical commodity traders and owners

• Transparent financing and efficient ownership transfer

#### What is LMEshield?

• Secure global electronic register for efficient creation, management and transfer of off-warrant warehouse receipts



#### **Recent developments**

- 1. Ongoing engagement with working group of up to 20 warehouses, banks and trading firms
- MOU signed 21<sup>st</sup> March with Henry Bath, CMST and Mercuria to list LMEshield warehouses along China's 'The Belt and Road' routes
- 3. April 2016 launch of LMEshield service
- 4. Fee-free usage until September 2016, with accrual of further credits for usage in period







### **Liquidity Roadmap 2016**

The Roadmap draws together the LME's initiatives for enhanced market access and participation



### **Simplified access**

Different access options depending on users' preferred mode of execution

#### **Direct Market Access**

- · Multiple solutions available
- Small operational overhead
- Full control over execution
- As client or member

#### **Enhanced liquidity**

 Market making and other programmes to add liquidity across the curve

#### **Membership**

- 5 membership categories
- From full Ring trading privileges to non-clearing membership
- No need for UK domicile
- Tailored to the operational capacities and trading needs of users



### LMESelect

#### Number of trades per hour







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### **How Clearing Works**

#### Futures contracts without a clearing house



#### Futures contracts with a clearing house



### LME member default provisions

Companies Act has unique provisions for exchange traded contracts

LME and LME Clear act ahead of liquidator

- LME Clear manages Exchange Contracts
- LME manages Client Contracts
  - Client Contracts closed out at market price
  - Profits and losses netted
  - Positions transferred to other brokers

These provisions do <u>not</u> apply to OTC contracts





## LME: the world's leading liquidity pool

Part of a leading global, vertically integrated multi-asset class exchange group





# **Questions & Answers**