Asia steel market – Is steel scrap the next strategic raw material? LME Asia Metals Seminar 2023

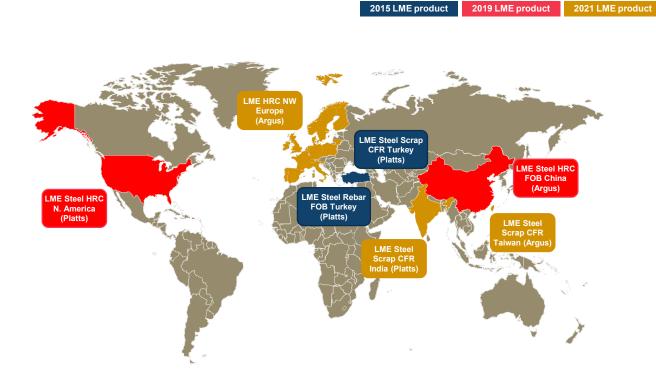
Edric Koh, Vice President May 2023



SETTING THE GLOBAL STANDARD

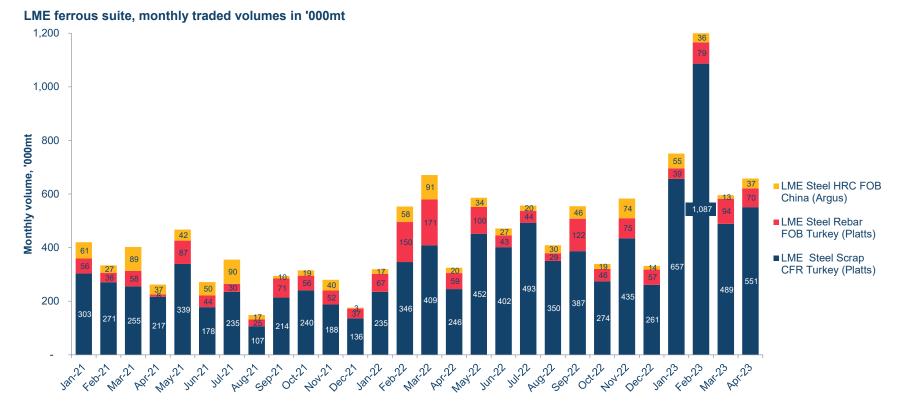


Seven steel futures to connect regional markets and provide a global service



Source: LME

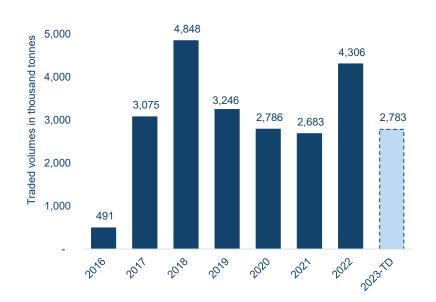
Over 30 million tonnes of steel futures have traded on the LME since Nov 2015



Source: LME Notes: data as of 02 May 2023

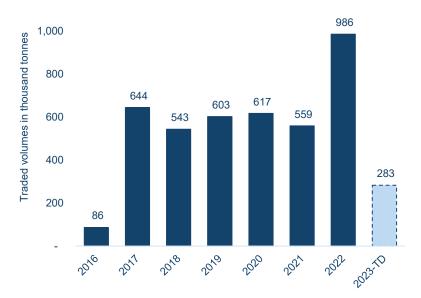
LME Steel Scrap CFR Turkey (Platts)

6,000



LME Steel Rebar FOB Turkey (Platts)

1,200



Source: LME Notes: data as of 02 May 2023

LME Steel Scrap CFR Taiwan (Argus) LME Steel HRC FOB China (Argus) LME Steel Scrap CFR India (Platts) 1,200,000 16,000 16,000 15,000 1,041,410 14,000 14,000 1,000,000 12,000 12,000 Traded volumes in tonnes Traded volumes in tonnes Traded volumes in tonnes 800,000 9,770 10,000 10,000 600,000 8,000 8,000 485,190 458,840 440,580 5,460 6,000 6,000 400,000 3,780 3,450 4,000 4,000 2,850 200,000 140,860 2,000 2,000 2019 2020 2021 2022 2023-TD 2021 2022 2023-TD 2021 2022 2023-TD

Source: LME Notes: data as of 02 May 2023

5

Electronic liquidity initiatives

Ferrous Liquidity Window

On 1 November 2022 we introduced a Liquidity Window for LME Steel Scrap CFR Turkey and LME Steel Rebar FOB Turkey:

- From 4:00pm to 4:30pm UK time on LMEselect every day
- Bid offer as tight as one tick (\$0.50) on M2, M3 and M4
- Traded sizes up to 50 lots (500 tonnes) per clip
- Good depth with 1,000s tonnes quoted within a \$10-\$12 bid offer spread

Ferrous Liquidity Provider programmes

- The two new programmes went live on 1 November 2022 replacing the previous Ferrous LP programme
- The new programmes have already attracted more participants and there is a pipeline of interested prospects
- The application window will remain open until October 2023
- · Each programme is tailored to the needs of a specific subset of contracts
- · Increased the requirements to improve liquidity
- Shifted quoting activity for the Asian contracts to earlier in the day to facilitate trading during Asian hours

| Contract | BQty | Bid | Offer | OQty | Turnover | LQty | | Las |
|----------------|------|--------|--------|------|----------|------|---|--------|
| SCDNOV22 | 1 | 341.00 | 347.00 | 10 | 3 | 1 | | 347.00 |
| | 20 | 340.00 | 347.50 | 2 | | | | |
| | 1 | 339.00 | 348.00 | 1 | | | | |
| | 1 | 338.00 | 349.00 | 2 | | | | |
| | 1 | 337.50 | | | | | | |
| SCDDEC22 | 1 | 353.50 | 354.00 | 1 | 30 | 10 | ÷ | 354.00 |
| | 2 | 353.00 | 354.50 | 1 | | | | |
| | 1 | 350.50 | 355.00 | 20 | | | | |
| | 10 | 350.00 | 357.00 | 1 | | | | |
| | 3 | 349.50 | 357.50 | 7 | | | | |
| | 20 | 349.00 | 358.00 | 5 | | | | |
| | 5 | 348.00 | 358.50 | 1 | | | | |
| | 6 | 347.50 | 359.00 | 1 | | | | |
| | | | 360.00 | 25 | | | | |
| | | | 369.50 | 20 | | | | |
| SCDJAN23 | 1 | 359.00 | 362.00 | 20 | 13 | 1 | | 360.0 |
| | 1 | 358.50 | 363.50 | 2 | | | | |
| | 1 | 358.00 | 364.50 | 5 | | | | |
| | 10 | 357.00 | 365.00 | 1 | | | | |
| | 5 | 354.50 | 367.00 | 10 | | | | |
| | 25 | 350.00 | 370.00 | 2 | | | | |
| SCDFEB23 | 1 | 362.00 | 366.00 | 1 | | | | |
| | 1 | 361.50 | 366.50 | 2 | | | | |
| | 1 | 361.00 | 367.00 | 10 | | | | |
| | 5 | 357.50 | 367.50 | 5 | | | | |
| | 10 | 357.00 | | | | | | |
| SCDMAR23 | 1 | 366.50 | 369.50 | 1 | 1 | 1 | | 368.5 |
| | 1 | 366.00 | 370.00 | 1 | | | | |
| | 1 | 363.00 | 371.00 | 1 | | | | |
| | 1 | 360.00 | 373.00 | 1 | | | | |
| | 1 | 359.50 | 376.50 | 1 | | | | |
| SCDAPR23 | 1 | 369.00 | 372.50 | 1 | | | | |
| | 1 | 367.50 | 373.00 | 22 | | | | |
| | 1 | 365.50 | 375.50 | 1 | | | | |
| | 2 | 363.00 | 379.00 | 1 | | | | |
| SCDMAY23 | 1 | 371.00 | 375.00 | 22 | | | | |
| | 1 | 369.00 | 378.00 | 1 | | | | |
| | 1 | 368.00 | 381.00 | 1 | | | | |
| | 2 | 365.00 | | | | | | |
| SCDJUN23 | 1 | 373.00 | 378.00 | 2 | | | | |
| SCDJUL23 | 1 | 371.00 | 380.00 | 2 | | | | |
| SCDAUG23 | 1 | 372.00 | 380.00 | 2 | | | | |
| SCDSEP23 | 4 | 372.00 | 382.00 | 4 | | | | |
| SCDOCT23 | 4 | 371.00 | 381.00 | 4 | | | | |
| SCDNOV23 | 4 | 371.00 | 381.00 | 4 | | | | |
| SCDDEC23 | 4 | 371.00 | 381.00 | 4 | | | | |
| SCDN0V22-DEC22 | 1 | 13.00c | 6.50c | 2 | 3 | 1 | | 6.50 |
| SCDDEC22-JAN23 | 1 | 8.50c | 5.00c | 1 | | | | |
| SCDDEC22-FEB23 | 3 | 12.50c | 8.00c | 1 | | | | |
| SCDDEC22-MAR23 | 1 | 16.00c | 12.50c | 2 | 1 | 1 | | 12.50 |
| SCDDEC22-APR23 | 1 | 18.50c | 15.00c | 1 | | | | |



15-min delayed prices on Ime.com

CLME METALS - TRADING - CLEARING - MARKET DATA - PHYSICAL SERVICES

Q Search the LME

Trading day summary Intraday prices Volume and open interest Price graph 🔒 Five-day look-back

INTRADAY PRICES Shown in US\$

24 Nov 2022

| LMEselect quotes* | | | | | | |
|-------------------|---------------------|--------|--------|---------------------|--|--|
| Contract | Bid quantity (lots) | Bid | Ask | Ask quantity (lots) | | |
| Month 1 | 2 | 344.00 | 346.00 | 1 | | |
| Month 2 | 4 | 351.00 | 352.00 | 17 | | |
| Month 3 | 2 | 358.00 | 359.50 | 2 | | |
| Month 4 | 2 | 361.50 | 362.00 | 1 | | |
| Month 5 | 1 | 363.50 | 364.50 | 1 | | |
| Month 6 | 6 | 365.00 | 370.50 | 2 | | |
| Month 7 | 2 | 365.00 | 372.50 | 2 | | |
| Month 8 | 2 | 368.50 | 374.50 | 2 | | |
| Month 9 | 2 | 370.50 | 372.00 | 2 | | |
| Month 10 | 1 | 370.00 | 370.50 | 1 | | |
| Month 11 | 2 | 372.50 | 377.00 | 2 | | |
| Month 12 | 2 | 371.50 | 376.00 | 2 | | |
| Month 13 | 2 | 371.50 | 375.50 | 2 | | |
| Month 14 | 2 | 371.50 | 375.50 | 2 | | |
| Month 15 | 0 | 0.00 | 0.00 | 0 | | |

*Quotes are 15 minute delayed or the latest data available.

| LMEselect + interoffice intraday prices* | | | | | | |
|--|------------|----------|-----------------|-----------------|------------------------|--|
| Contract | Last price | % change | Absolute change | Last trade time | Previous Closing Price | |
| Month 1 | 345.50 | - 0.14 | - 0.50 | 08:30:39 | 346.00 | |
| Month 2 | 352.00 | - 0.98 | - 3.50 | 08:30:39 | 355.50 | |
| Month 3 | 359.00 | - 0.28 | - 1.00 | 08:30:39 | 360.00 | |
| Month 4 | - | - | - | - | 363.50 | |
| Month 5 | 366.50 | - 0.81 | - 3.00 | 04:44:43 | 369.50 | |
| Month 6 | 370.50 | + 0.14 | + 0.50 | 08:29:46 | 370.00 | |
| Month 7 | 372.50 | 0.00 | 0.00 | 08:29:46 | 372.50 | |

Source: LME Notes: data as of 24 November 2022 am UK

Disclaimer

© The London Metal Exchange (the "LME"), 2023. The London Metal Exchange logo is a registered trademark of The London Metal Exchange.

All rights reserved. All information contained within this document (the "Information") is provided for reference purposes only. While the LME endeavours to ensure the accuracy, reliability and completeness of the Information, neither the LME, nor any of its affiliates makes any warranty or representation, express or implied, or accepts any responsibility or liability for, the accuracy, completeness, reliability or suitability of the Information for any particular purpose. The LME accepts no liability whatsoever to any person for any loss or damage arising from any inaccuracy or omission in the Information or form any consequence, decision, action or non-action based on or in reliance upon the Information. All proposed products described in this document are subject to contract, which may or may not be entered into, and regulatory approval, which may or may not be given. Some proposals may also be subject to consultation and therefore may or may not be implemented in a modified form. Following the conclusion of a consultation, regulatory approval may or may not be given to any proposal put forward. The terms of these proposed products, should they be launched, may differ from the terms described in this document.

Distribution, redistribution, reproduction, modification or transmission of the Information in whole or in part, in any form or by any means are strictly prohibited without the prior written permission of the LME.

The Information does not, and is not intended to, constitute investment advice, commentary or a recommendation to make any investment decision. The LME is not acting for any person to whom it has provided the Information. Persons receiving the Information are not clients of the LME and accordingly the LME is not responsible for providing any such persons with regulatory or other protections. All persons in receipt of the Information should obtain independent investment, legal, tax and other relevant advice before making any decisions based on the Information.

LME contracts may only be offered or sold to United States foreign futures and options customers by firms registered with the Commodity Futures Trading Commission (CFTC), or firms who are permitted to solicit and accept money from US futures and options customers for trading on the LME pursuant to CFTC rule 30.10.

The LME is authorised and regulated by the Financial Conduct Authority in respect of its benchmark administration activities under the European Benchmarks Regulation (Regulation No (EU) 2016/1011) ("BMR"), as onshored into UK law.

The names "S&P Global Platts" and "Platts" and the Platts logo are trademarks of S&P Global Inc. and have been licensed for use by The London Metal Exchange. S&P Global Platts, a division of S&P Global Inc. also licenses The London Metal Exchange to use Platts Steel Rebar FOB Turkey, Platts TSI Scrap HMS 1/2 80:20 CFR Turkey, Platts TSI HRC EXW US Indiana, Platts TSI HRC EXW Ruhr, Platts HRC SAE1006 FOB China, Platts Aluminum Transaction Premium DDP US Midwest and Platts Molybdenum Oxide Daily Dealer (Global); (the "Assessments") in connection with the listing, facilitation of trading of, settlement and clearing of certain contracts (the "Contracts") based upon the Assessments. The Contracts are not sponsored, endorsed, sold or promoted by S&P Global Platts or its affiliates or licensors. S&P Global Platts, its affiliates and licensors make no representation or warranty, express or implied, either regarding the Contracts or the advisability of investing in securities or commodities generally or the ability of the Assessments to track general market performance or commodity price movements. S&P Global Platts, its affiliates and licensors disclaim any and all warranties, express or implied, including, but not limited to, any warranties of merchantability or fitness for a particular purpose or use as to the Assessments or any component thereof or any communications (whether written, oral, electronic or other format), and shall not be subject to any damages or liability, including but not limited to any indirect, special, incidental, punitive or consequential damages (including but not limited to, loss of profits, trading losses and loss of goodwill).

ARGUS, ARGUS MEDIA, the ARGUS Logo, Argus HRC FOB Tianjin China are trademarks and are used under licence from Argus Media Limited. All copyrights and database rights in the Argus HRC FOB Tianjin China index belong exclusively to the Argus Media group and are used herein under licence. Argus takes no position on the purchase or sale of LME products which reference Argus or the Argus HRC FOB Tianjin China index and excludes all liability in relation thereto.