



Large Scale Copper Exploration in Zambia



www.arcminerals.com

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Arc Minerals Overview



- Tier-one copper asset in Zambia
- Comprehensive airborne geophysical programme and soil sampling programme completed
- 14 large and well-defined targets identified
- Achieved some of the best intersections in the Zambian Copperbelt including: 18m grading 2.35% Cu and 39m grading 1.47% Cu
- Signed Exclusivity Agreement with Anglo American
- Experienced Board and management team with a proven track record of successful development of mineral projects

Capital Structure (AIM: ARCM)

As at 23 Oct 2020	In GBP
Share Price	4.05p
Shares in issue	976m
Market Capitalisation	£40m/US\$51.5m

Key Shareholders

Board and Management	14.20%
Karl-Erik von Bahr	7.11%

Highly Experienced Board

Significant Skin in the Game



Nick von Schirnding | *Executive Chairman*

Nick von Schirnding has over 25 years' experience in the mining sector across a number of geographies. Nick was CEO of Asia Resource Minerals plc, a FTSE listed mining company. Prior to this Nick was a senior executive with Anglo American plc and De Beers. Nick is also chairman of Fodere, a private minerals processing business with a plant at Highveld steel and a non-executive director of AIM listed Jangada Mines. Mr von Schirnding is also an advisor to Apollo Management, a leading US private equity group.

Rémy Welschinger | *Finance Director*

Rémy is the founder of Limehouse Capital, an investment holding company specialising in natural resources projects. Up until 2018, he was Head of Commodities Sales in Europe for Deutsche Bank. Prior to that, Mr. Welschinger was an Executive Director in the Fixed Income and Commodities division of Morgan Stanley in London. Rémy is also a Non-Executive Director of ASX listed Infinity Lithium.

Mumena Mushingi | *Non-Executive Director*

Mr Mumena Mushingi is a Zambian based entrepreneur with a long-standing history in the mining and minerals industry. Mr Mushingi founded Zamsort Limited in 2005 and has been instrumental in developing the Kalaba prospect.

Caleb Mulenga | *Non-Executive Director*

Mr Caleb Mulenga previously spent 8 years at the Development Bank of Zambia, subsequently moving into the private sector and establishing Superior Milling Limited, of which he is currently the Executive Chairman. He currently serves as the Chairman of Access Bank Zambia. Mr Mulenga also holds a bachelor's degree in Business and Economics from the University of Zambia and an MBA from Webster University.

Brian McMaster | *Non-Executive Director*

Brian McMaster has almost 20 years' experience in the area of corporate reconstruction, turnaround, performance improvement and 20 years in the mining and exploration industry. His recent experience includes founding Harvest Minerals and Jangada Mines, AIM listed companies.

Delivering on Our Objectives

Completed Non-Core asset sales :

- ✓ Šturec – sold for a gross consideration of up to \$8m (Dec 2019)
- ✓ Casa – sold for a consideration up to \$50m (Mar 2020)

Substantial drilling programme completed in Zambia

- ✓ Multiple Tier 1 targets identified
- ✓ Over 17,000m drilled to date (\$3.5m)
- ✓ 14 large and well-defined copper targets identified
- ✓ High-grade oxide copper zone identified for near-term production

Deal with a Major Mining Group

- ✓ Signed Exclusivity Agreement with Anglo American

Large scale corporate cash savings programme completed

Zamsort – Zaco

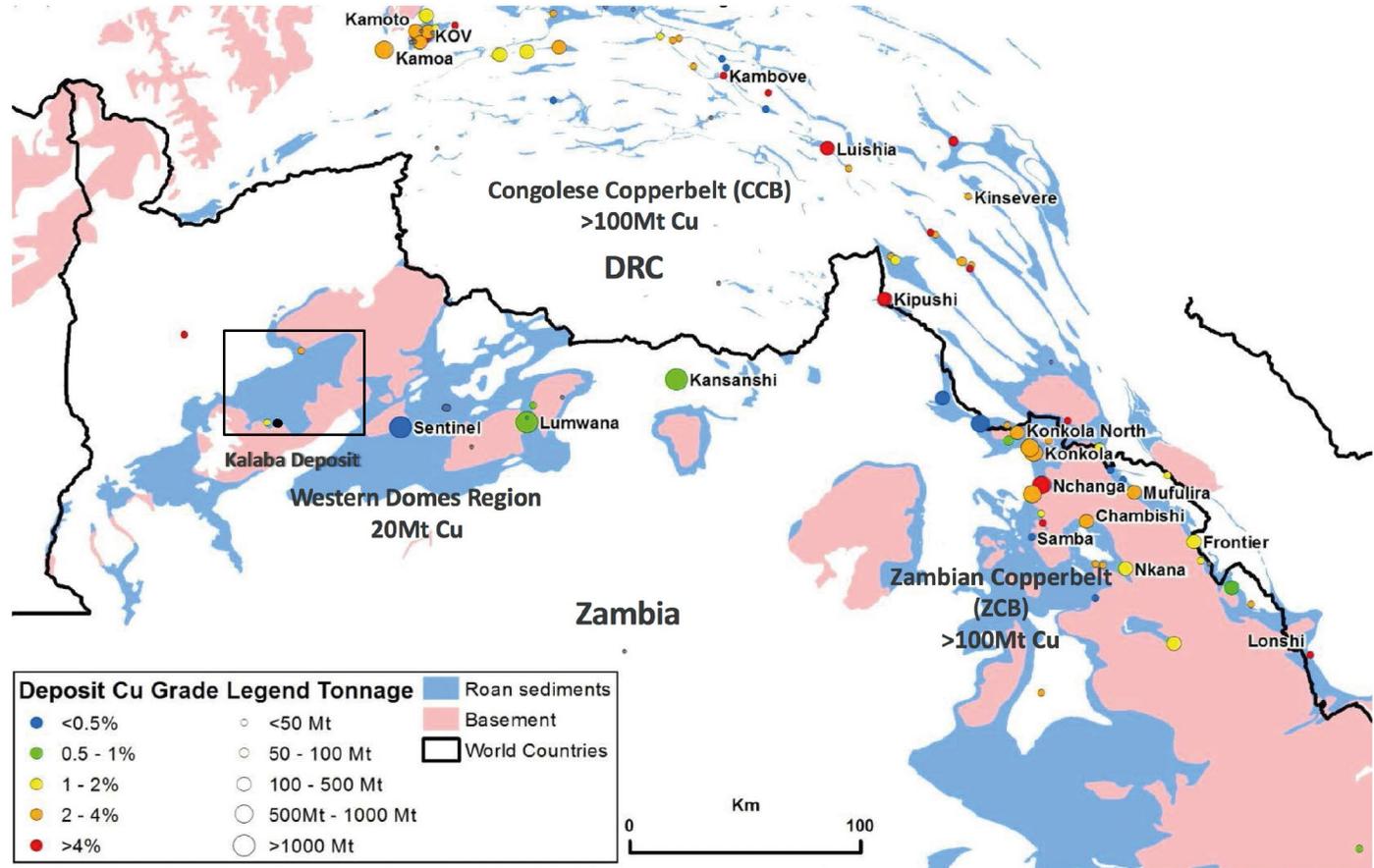
A Highly Prospective Copper Project



- 66% interest in Zamsort and 72.5% interest in Zaco
- Zamsort and Zaco licenses cover c.872km² (Zamsort 407km² and Zaco 465km²)
- Located in a highly prospective region of Zambia (in close proximity to First Quantum's Sentinel and Kansanshi and Barrick's Lumwana mines)
- Zamsort and Zaco licenses were explored by Anglo American and hosts 9 of Anglo's top 30 Zambian copper exploration targets
- Airborne geophysical and comprehensive soil sampling programme completed (54,000 soil samples)
- Over 17,000 meters drilled to date



Prolific Mineral Region



Western Domes Region – potential for large discoveries in proximity to basement blocks

Operating in the Right Postcode



- During the last 15 years, three new major mines have been constructed to exploit mineral Resources in the western part of the Zambian Copper Belt
- This region now accounts for more than 80% of Zambia’s copper production

Major Mines in the Domes Region – Comparable Geology

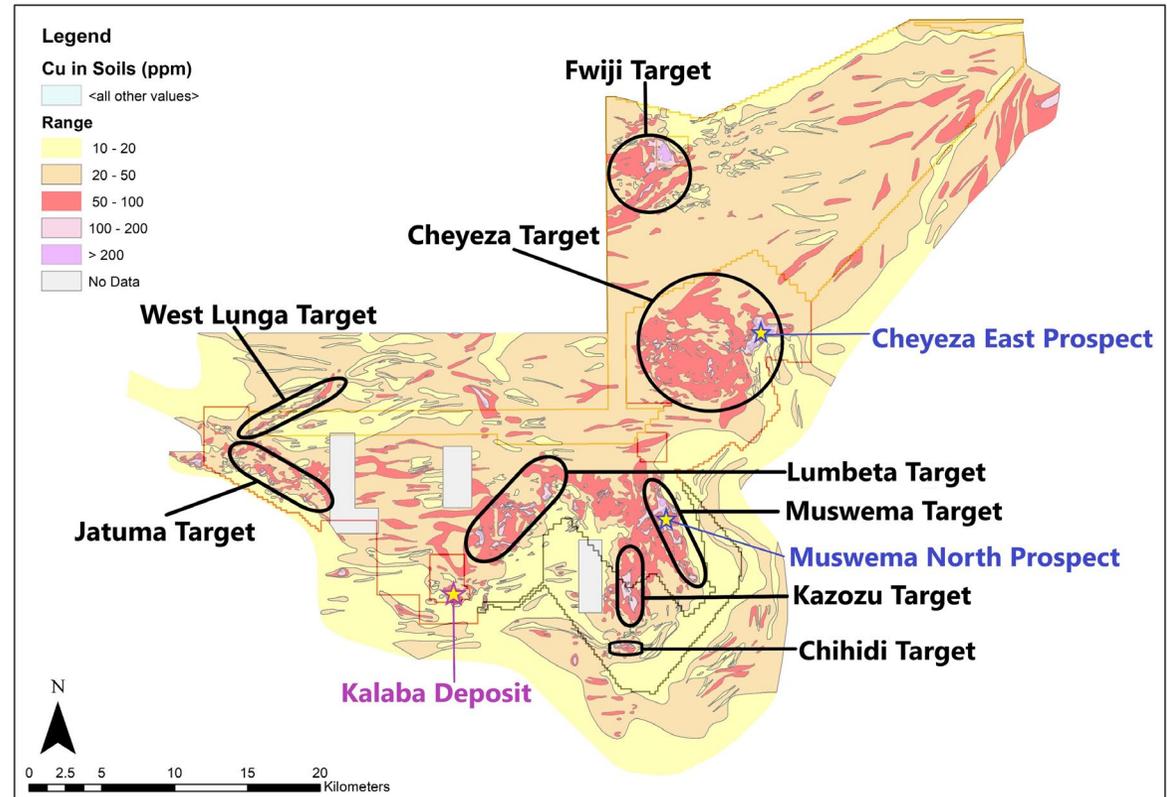
	Sentinel (2014)	Lumwana (2009)	Kansanshi (2005)
Owner	First Quantum Minerals (100%)	Barrick Gold (100%)	First Quantum Minerals (80%)
Resource	923.3Mt @ 0.53% Cu	678Mt @ 0.48% Cu	662Mt @ 0.59%Cu
Reserve	869.7Mt @ 0.49% Cu	374.6Mt @ 0.55%Cu	746Mt @ 0.69% Cu
Production (2019)	220,006 tonnes Cu	107,985 tonnes Cu	232,243 tonnes Cu and 145Koz Au
Distance from license	40km	100km	200km

Source: Wood Mackenzie and Company Websites

Exciting Exploration Programme



- Discoveries made at Cheyeza East, Muswema and Fwiji
- Follow up drilling programme underway
- Signed exclusivity with Anglo American
 - 2,500 soil samples assayed using ALS ME-MS61L Super Trace Lowest Detection Limits 4-acid digest.
 - Initial results confirm Muswema as a high priority target
 - Fwiji, Cheyeza and Lumbeta confirmed as additional targets of major interest
 - Rig has been deployed to Muswema as a priority target for immediate drilling

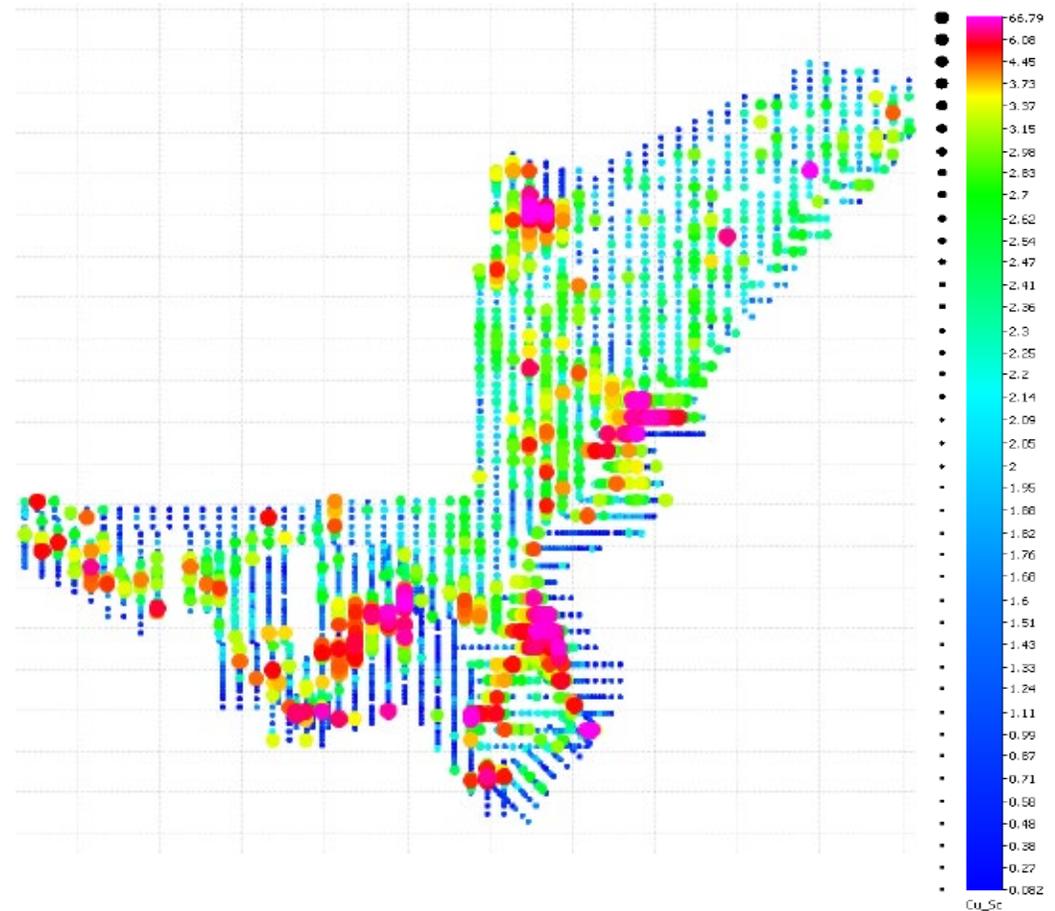


Anglo American Exclusivity

Multi-Element Geochemical Characterization and Targeting



- Immobile element distributions used to characterise lithological and metal trends within the survey area
- A fully integrated targeting exercise, considering additional datasets of geophysics, radiometrics, drilling and mapping data etc currently underway to zone in on targets



Cu:Sc using the ALS ME-MS61L Super Trace Lowest Detection Limits 4-acid digest

Significant 2020 Work Programme



Actively Exploring for Tier 1 Copper Assets in the Western Copperbelt of Zambia

Arc Minerals – Exciting Investment Proposition



- Multiple Tier-1 copper assets in Zambia
- Achieved some of the best intersections in the Zambian Copperbelt including: 18m grading 2.35% Cu and 39m grading 1.47% Cu
- Studying near-term copper opportunity
- Signed Exclusivity Agreement with Anglo American
- Experienced Board and management team with a proven track record of successful development of mineral projects
- Strong structural copper fundamentals

Contact us



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Appendices

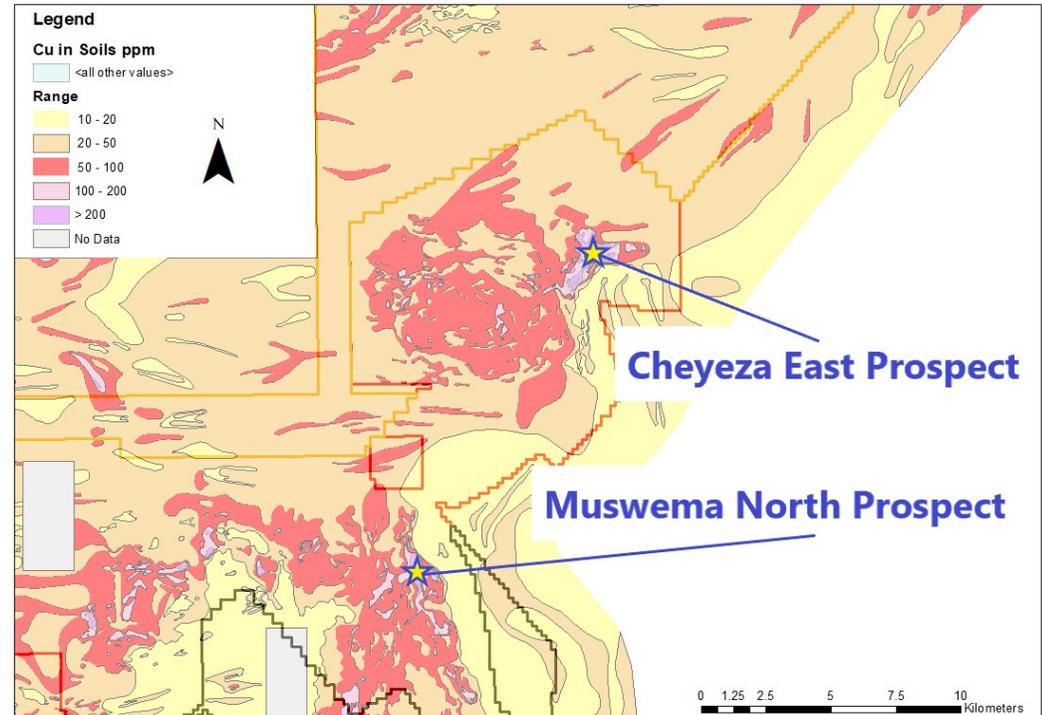


2 Significant Early Discoveries

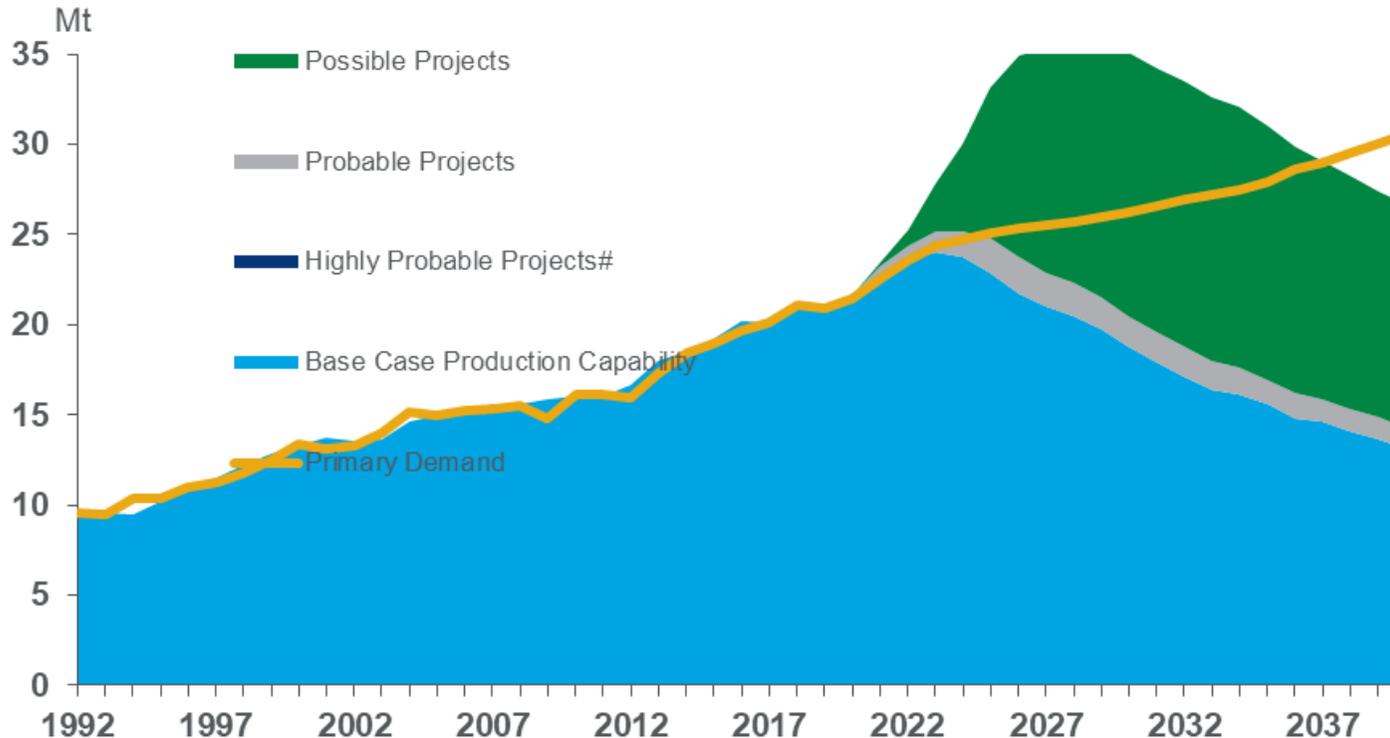


High-grade oxide copper zone discovered in 2019

- Cheyeza East Prospect
 - 18m grading 2.35% Cu
 - 39m grading 1.47% Cu
- Muswema North Prospect
 - Copper bearing sulphides intersected at depth
 - Copper-cobalt mineralisation intersected



Why Copper? Solid Fundamentals



Source: Wood Mackenzie

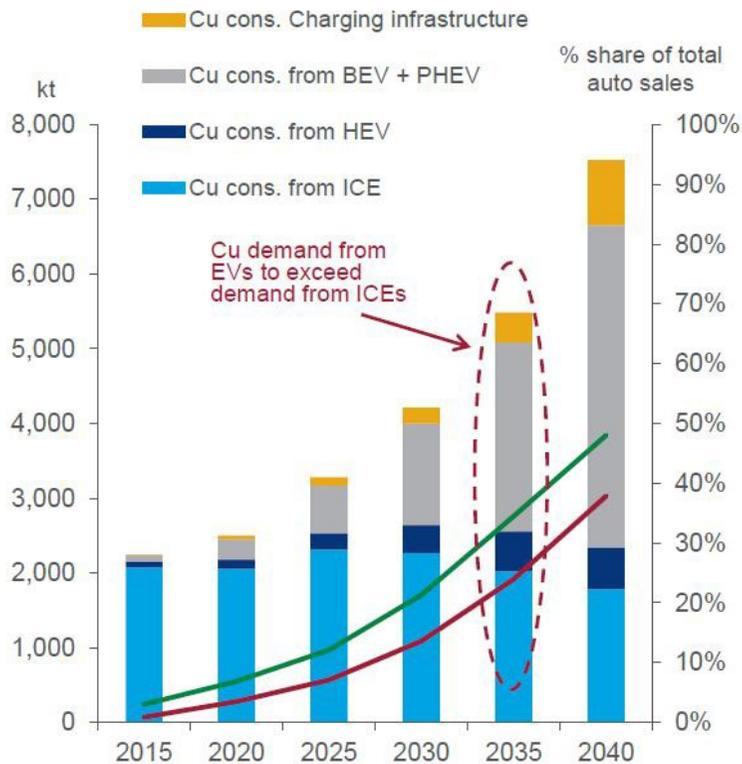
Note: #In order to be consistent with other Wood Mackenzie metals market services, the highly probable category will no longer be used for copper mining projects

- Multiple industrial uses – low substitution
- World population and power consumption increasing
- All power generation and transmission requires copper
- Renewable energy requires much greater copper intensity

Electrical Vehicles Growth

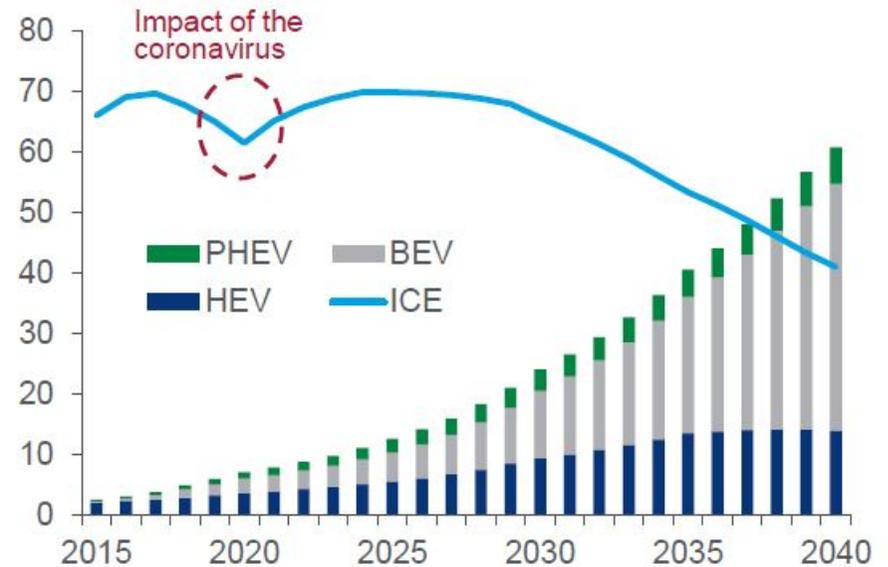


Demand for EVs Will Impact the Copper Market



Source: Companies' Websites

EV Sales to grow at an average of 12% p.a. between 2019 and 2040



Source: Companies' Websites