# **COBALT MARKET REPORT 2023**

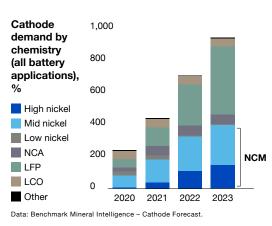
### RESILIENT COBALT MARKET IS KEY TO ACHIEVING COBALT'S GREEN ENERGY POTENTIAL

TOTAL MARKET CONTINUES TO SEE STRONG ANNUAL GROWTH SUPPORTED BY COBALT'S KEY ROLE IN BATTERY APPLICATIONS

## THE OUTLOOK FOR EVs REMAINS POSITIVE AND COBALT HAS A KEY ROLE IN THIS CRITICAL PART OF THE GLOBAL ENERGY TRANSITION.

2023 cobalt demand by end use and share of demand growth, % EV Portables 10% Super Alloys 45% 3% Hard metals 3% Catalysts 4% Ceramics Share 9% of 2023 /Colours demand Others 26%

Data: Benchmark Mineral Intelligence - Cobalt Forecast



SUPERALLOYS, PRIMARILY FOR AEROSPACE APPLICATIONS, IS COBALT'S LARGEST NON-BATTERY APPLICATION

COBALT

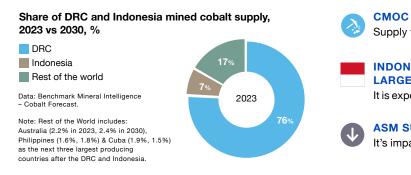
INSTITUTE



#### COBALT PURCHASING BY CHINA'S STATE RESERVE BUREAU is the first time strategic reserves have

been added to demand since 2020.

#### DRC & INDONESIAN GROWTH LIFT THE MARKET ABOVE 200 KT FOR THE FIRST TIME



CMOC BECAME THE LARGEST GLOBAL COBALT PRODUCER Supply from the Kisanfu mine exceeding market expectations.

## INDONESIA STRENGTHENED ITS ROLE AS THE SECOND LARGEST COBALT PRODUCER

It is expected to capture greater market share in the battery supply chain.

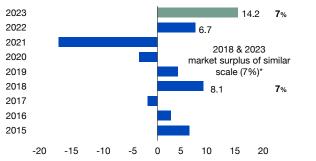
ASM SUPPLY HAS LOST MARKET SHARE It's impacted by weak cobalt prices and global mined supply going up.

### **RECORD SURPLUS ADDS FURTHER PRESSURE TO WEAK PRICING**

## THE CURRENT LOW POINT OF THE CYCLE IS EXPECTED TO PERSIST IN THE SHORT TERM, WEIGHING ON PRICES, ALTHOUGH THE MEDIUM TO LONG TERM OUTLOOK FOR COBALT REMAINS POSITIVE.

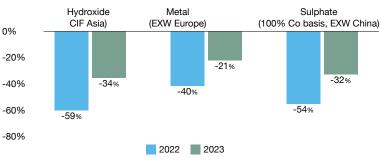
The global cobalt market surplus in 2023 was the cobalt market's largest market surplus seen in volume terms.

#### Cobalt market balance, kt cobalt



The price decline did slow in 2023 compared to 2022 when prices fell from the high point in the cycle.

### Price performance in 2022 and 2023, % change



Data: Benchmark Mineral Intelligence - Price Assessments.

Data: Benchmark Mineral Intelligence - Cobalt Forecast. Note: \* as a share (%) of total demand. Please do not hesitate to get in touch if you have any questions:

May 2024