

The Mining Watch is a mining bulletin of the Chamber of Mines of Zimbabwe for its members and stakeholders. It is produced by



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CHAMBER OF MINES



OF ZIMBABWE

Daily Mining Watch

This is your daily dose of information on mineral prices, mineral commodity markets and mining insights.

Quote of the Day: Gold: The bulls are currently slipping in their grip on the market - **Richard Perry (Hantec Markets)**

MINERAL PRICES

Precious Metals: Gold, Silver & PGMs

Table 1: Precious Metal Prices -USD/oz

Metal	Current <small>24 August 2020</small>	Previous <small>21 August 2020</small>	+/- (%)
Gold	1,943.95	1,924.35	+1.0%
Silver	26.88	26.85	+0.1%
Platinum	932	925	+0.8%
Palladium	2,194	2,205	-0.5%
Rhodium	12,500	12,500	-
Iridium	1,645	1,645	-
Ruthenium	270	270	-

Source: Johnson Matthey (PGMs), World Gold Council (Gold), Kitco (Silver)

Mining Intelligence
 Tuesday 25 August 2020

Top gains

Nickel 2.1%
 Gold 1.0%

Top losses

Tin -2.8%
 Zinc -0.8%

Covid-19 Count

Zimbabwe

Screened 193 727
 Tested positive 6 070
 Recovered 4 950
 Deaths 155

Global

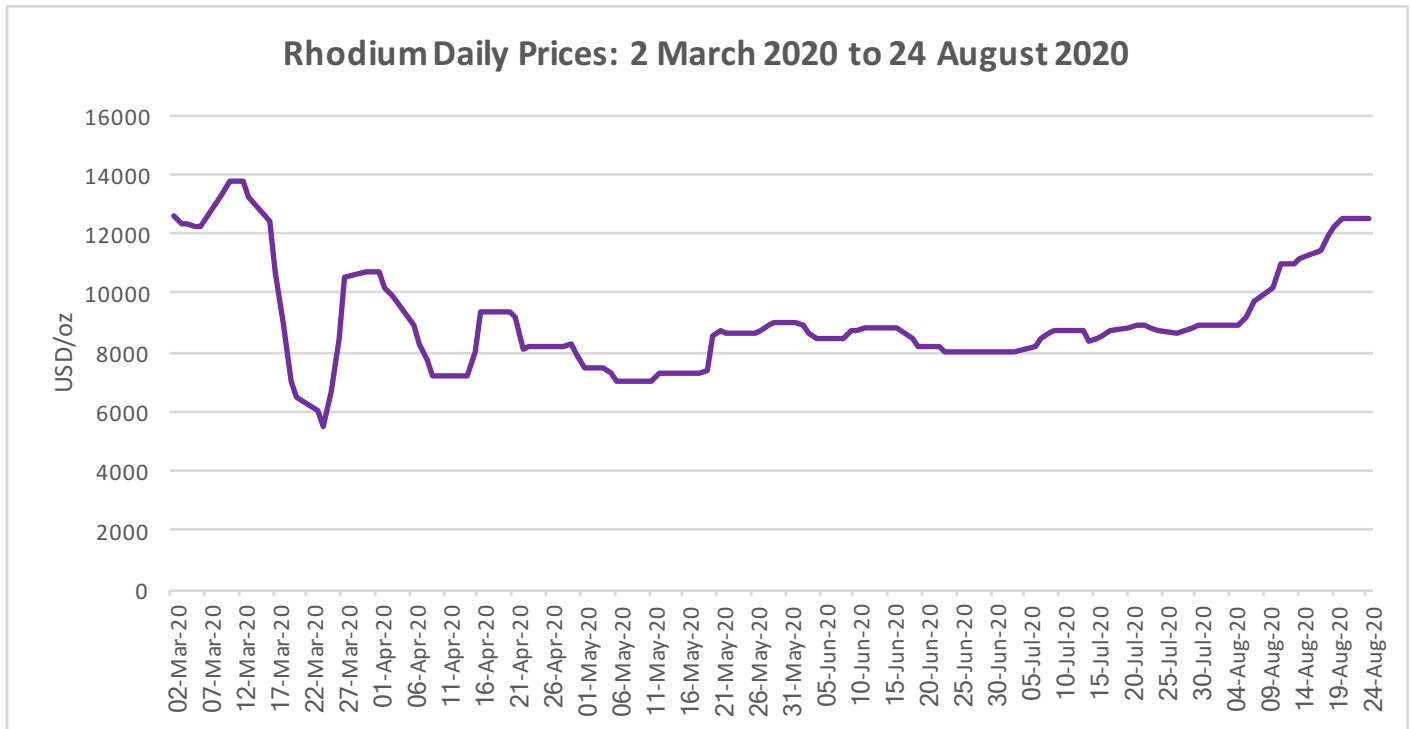
Tested positive 23.8M
 Recovered 16.3M
 Deaths 817K



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Market Insight:

Rhodium traded unchanged at \$12,500/oz with an average monthly price of \$10,823.44/oz according to Johnson Matthey. The metal has gained 40.4% from the beginning of the month of August with prices underpinned by supply deficits.



Source: Johnson Matthey

Base Metals

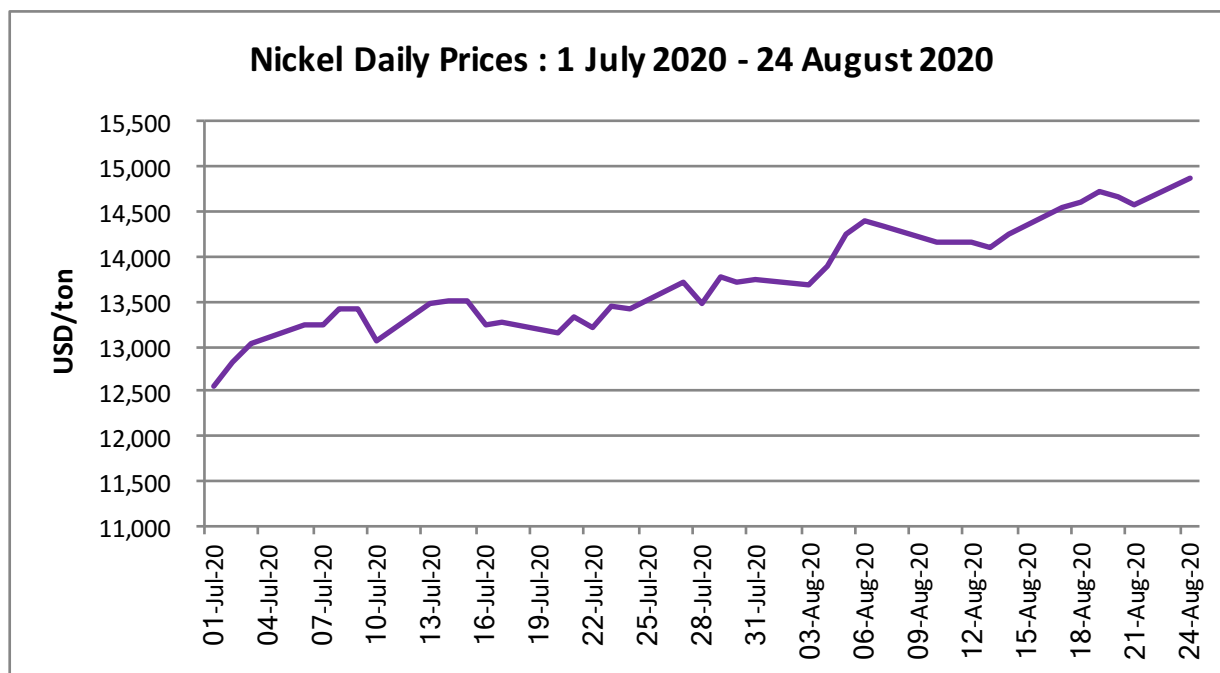
Table 2: Base Metal Prices - USD

Metal	Current 24 August 2020	Previous 21 August 2020	+/- (%)
Nickel/ton	14,862	14,562	+2.1%
Copper/ton	6,579.50	6,564.50	+0.2%
Cobalt/ton	33,030	33,045	0.0%
Aluminium/ton	1,735.50	1,722.50	+0.8%
Lead/ton	1,960	1,965	-0.3%
Tin/ton	17,170	17,660	-2.8%
Zinc /ton	2,430	2,450	-0.8%

Source: London Metal Exchange

Market Insight:

Base metals prices on the London Metal Exchange were mixed during trading, with market optimism over a Covid-19 vaccine rising after US regulators approved the use of convalescent blood plasma as a treatment option, while continued weakness in the US dollar index also provided support for some of the metals. Leading in gains for base metals was nickel which gained 2.1% from the previous trading day.



Source: London Metal Exchange

Energy Materials

Table 3: Energy Material Prices -USD

Metal	Current 24 August 2020	Previous 21 August 2020	+/- (%)
Thermal Coal	48.80	49.65	+0.3%
Coking Coal, /toncfr China	98.29	98.29	-
Oil\$/Barrel (OPEC Basket)	44.92	45.05	-0.3%

Source: Business Insider (Thermal Coal), Fastmarkets (Coking Coal), OPEC (Oil)

Market Insight:

Seaborne prices were relatively flat amid a quiet seaborne spot market.



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Battery Materials

Metal	Current <small>24 August 2020</small>	Previous <small>21 August 2020</small>	+/- (%)
Vanadium Pentoxide 98% V2O5 \$/t	12,562	12,562	-

Source: Fast Markets

Weekly Updates

Lithium

Market Insight:

Lithium remained flat in the week as prices have been under increasing downward pressure since the beginning of 2020, due to the disruptions and uncertainty caused by the pandemic in an already low-priced environment.

Battery Materials

Table 5: Battery Materials Prices -USD

Metal	Weekly Median Price <small>(Assessed 20 August 2020)</small>	Weekly Median Price <small>(Assessed 13 August 2020)</small>	+/- (%)
Lithium Carbonate /kg (CIF China, Japan, Korea)	6.5-8	6.5-8	-
Lithium Carbonate/kg (CIF Europe and US)	8-9	8-9	-
Lithium Hydroxide	9.75-10.50	9.75-10.50	-
Spodumene (5-6% Li ₂ O) /ton CIF China	370-400	370-400	-
Graphite Flake 94%C /ton FoB China	430	430	-

Source: Fast Markets

Table 6: Chrome Metal Prices -USD

Metal	Weekly Median Price <small>(Assessed 21 August 2020)</small>	Weekly Median Price <small>(Assessed 14 August 2020)</small>	+/- (%)
Chrome Ore 40- 42% Cr (lumpy)	190	190	-
Chrome Concentrates 42% Cr, (\$/t) CIF China	133	133	-
Charge Chrome(Southern Africa), 50% Cr, \$/t, CIF China	1,520.76	1,520.76	-
High Carbon Ferro-chrome, 60% Cr (\$/t)	1,906.46	1,906.46	-
Low Carbon Ferro – Chrome	4,132.50	4,132.32	-

Source: Fast Markets

MINING INSIGHTS

The 2020 KPMG Global Mining Survey provides shared and deep insights of leaders in the mining sector from the major mining regions of the world based on feedback from across the globe (16 countries were surveyed) highlighting the significant risks, challenges, threats, and opportunities for the industry. Commodity prices and permitting risk occupied the number 1 and number 2 risks, respectively. Along with the access to capital, community relations and social license to operate, these were the top risks identified by mining leaders in 2020.

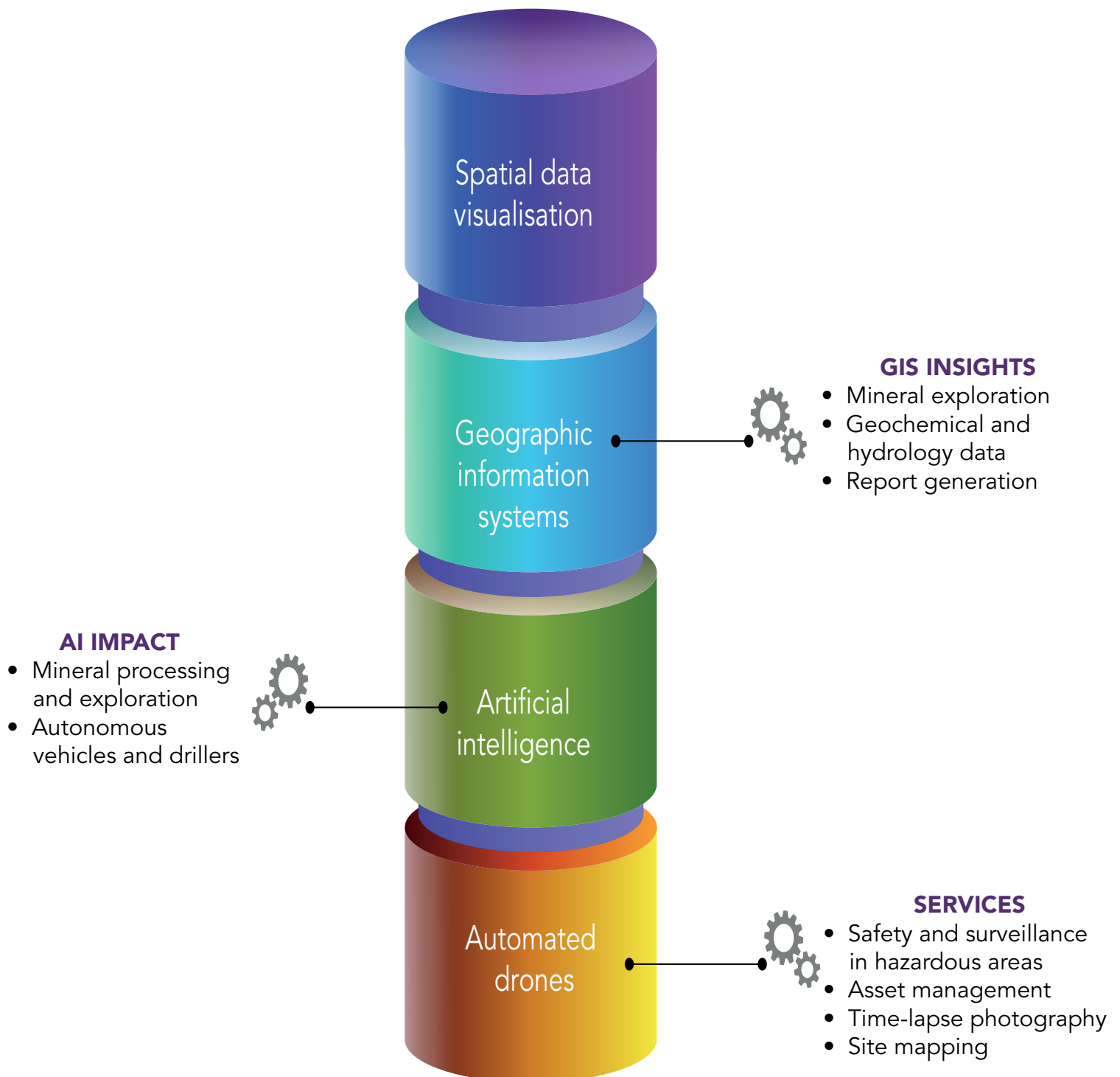
TRENDS IN MODERN MINING TECHNOLOGY

1. SPATIAL DATA VISUALISATION

- Three-dimensional (3D)
- Virtual Reality (VR)
- Augmented Reality (AR)

2. GEOGRAPHIC INFORMATION SYSTEMS

Geospatial data represents an object's location, size, and shape. By visualising this kind of data, miners gain more insight into the represented system or mine environment.



3. ARTIFICIAL INTELLIGENCE

The mining industry evolves rapidly, so machine learning and AI impacts the way mines today make choices for the future. AI helps to ensure safety and reliability for both miners and the land that mines use.

4. AUTOMATED DRONES

In recent years, drones or unmanned aerial systems (UAS) have started to make headway across the mining industry. UAS now produce the same results as a helicopter at a lower cost. Drones, when set to perform operational tasks, help to improve the industry.

UPCOMING EVENTS



LIVE WEBINAR
26 August 2020 | 13h00 GMT

DRC MINING WEEK **MINING**

The banner features a green background with a glowing blue grid pattern. In the center, there is a stylized battery icon with four segments, each containing a different texture representing different minerals or materials.



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