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AGENDA: PLATINUM QUARTERLY: Q1 2023 AND UPDATED 2023 FORECAST



1. Introduction

Trevor Raymond, CEO

2. Platinum Quarterly, fundamentals review Edward Sterck

3. Current thematics

Edward Sterck

4. Questions

Trevor Raymond Edward Sterck



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 Supply, demand and balance: Q1'23, and 2023 forecast

Edward Sterck, Director of Research

3. Current thematics

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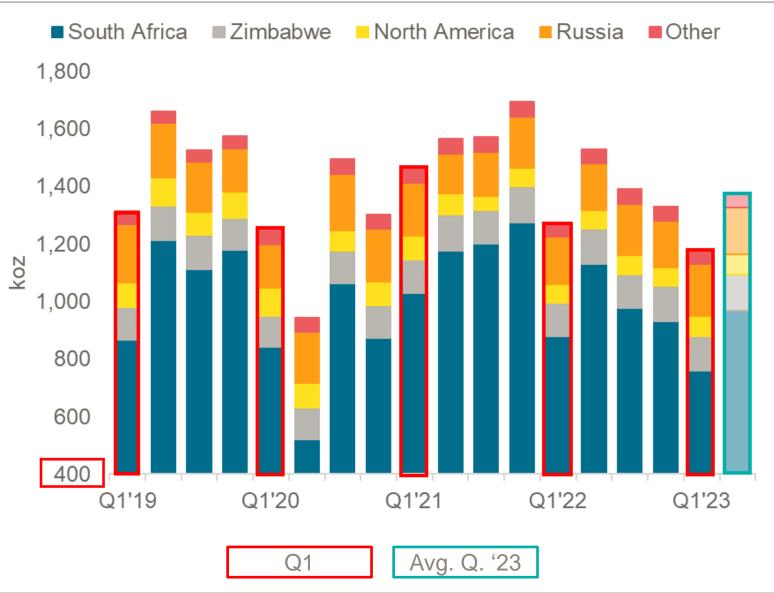
Q1 2023 SUPPLY: TOTAL SUPPLY DOWN 9% YOY ON SA MINE CHALLENGES & REDUCED VEHICLE SCRAPPAGE



| SUPPLY | Q1 2022 // | Q4 2022 | Q1 2023 | YoY | QoQ |
|-------------------------------------|------------|---------|---------|------|------|
| Refined Production | 1,273 | 1,329 | 1,178 | -8% | -11% |
| South Africa | 878 | 931 | 759 | -14% | -18% |
| Zimbabwe | 117 | 123 | 121 | 3% | -2% |
| North America | 66 | 65 | 69 | 5% | 6% |
| Russia | 163 | 160 | 180 | 10% | 12% |
| Other | 49 | 49 | 48 | -2% | -2% |
| Inc(-)/Dec(+) in Producer Inventory | +24 | +23 | +24 | -2% | 3% |
| Total Mining Supply | 1,298 | 1,352 | 1,201 | -7% | -11% |
| Recycling | 469 | 408 | 413 | -12% | 1% |
| Autocatalyst | | 299 | 301 | -15% | 1% |
| Jewellery | | 92 | 95 | -3% | 4% |
| Industrial | 17 | 17 | 17 | -1% | -1% |
| Total Supply | 1,766 | 1,759 | 1,614 | -9% | -8% |

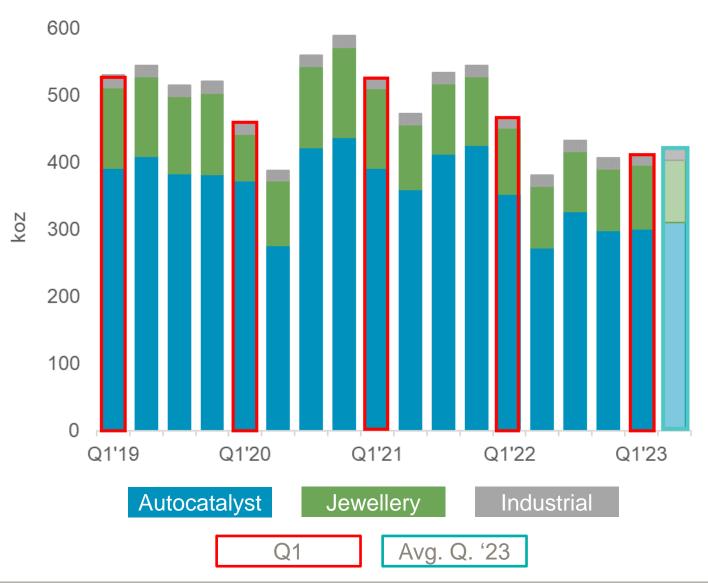
Q1 2023 REFINED MINE SUPPLY: DOWN 8% YOY ON PRODUCTION CHALLENGES IN SA





Q1 2023 RECYCLING: DOWN 12% YOY ON SCRAP AUTOCATALYST SUPPLY CHAIN CHALLENGES





Q1 2023 DEMAND: UP 28% YOY ON BETTER AUTO AND INDUSTRIAL WHILE INVESTMENT RECORDED INFLOWS



| DEMAND | Q1 2022 // | Q4 2022 | Q1 2023 | YoY | QoQ |
|------------------------------------|------------|---------|---------|------|-------|
| Automotive | 737 | 757 | 806 | 9% | 6% |
| Autocatalyst | 737 | 757 | 806 | 9% | 6% |
| Non-road | | | | n/a | n/a |
| Jewellery | 466 | 457 | 455 | -2% | 0% |
| Industrial | 527 | 531 | 570 | 8% | 7% |
| Chemical | 113 | 273 | 236 | 108% | -13% |
| Petroleum | 44 | 52 | 42 | -4% | -19% |
| Electrical | 30 | 24 | 23 | -24% | -5% |
| Glass | 127 | -21 | 56 | -56% | n/a |
| Medical & Biomedical | 68 | 69 | 71 | 5% | 2% |
| Other | 145 | 134 | 143 | -2% | 6% |
| Investment | -165 | -54 | 175 | n/a | n/a |
| Change in Bars, Coins | 59 | 1 | _102 | 71% | 7188% |
| Change in ETF Holdings | -166 | -62 | 43 | n/a | n/a |
| Change in Stocks Held by Exchanges | -58 | 7 | 30 | n/a | 314% |
| Total Demand | 1,566 | 1,691 | 2,006 | 28% | 19% |
| Balance | 201 | 68 | -392 | n/a | n/a |

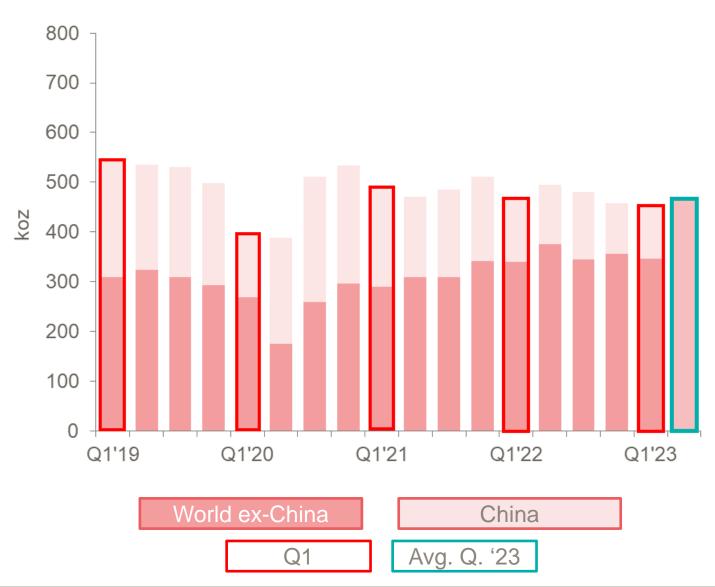
Q1 2023 AUTOMOTIVE: UP 9% SUPPORTED BY HIGHER LOADINGS AND SUBSTITUTION





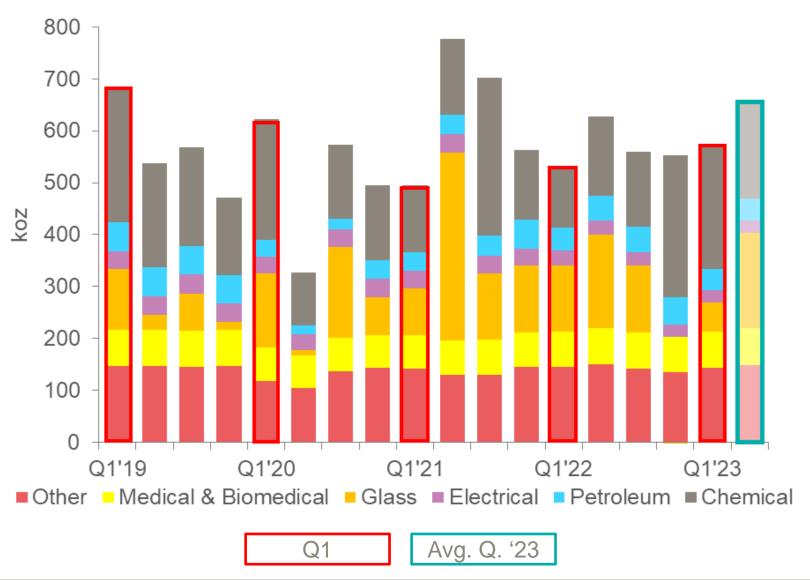
Q1 2023 JEWELLERY: DOWN 2% YOY AS CHINA'S REOPENING BROUGHT LITTLE RELIEF





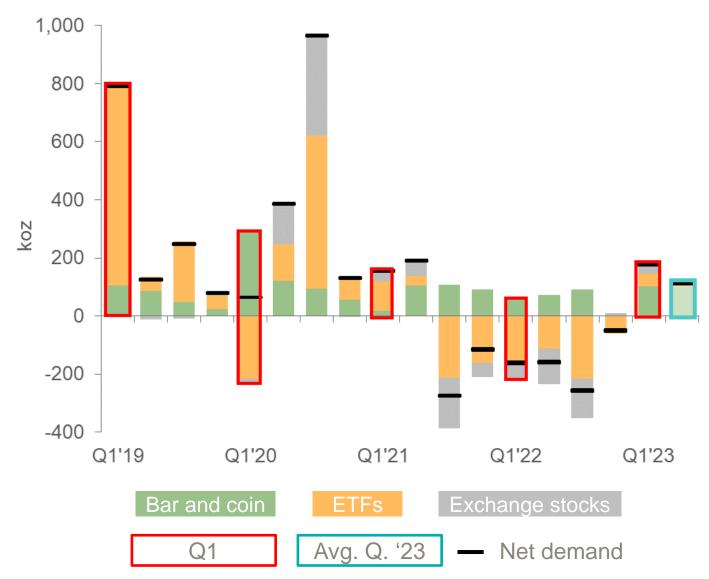
Q1 2023 INDUSTRIAL DEMAND: UP 8% YOY ON THE TIMING OF CHEMICALS CAPACITY ADDITIONS





Q1 2023 INVESTMENT DEMAND: IMPROVED Q/Q AND Y/Y - ON NET ETF INFLOWS





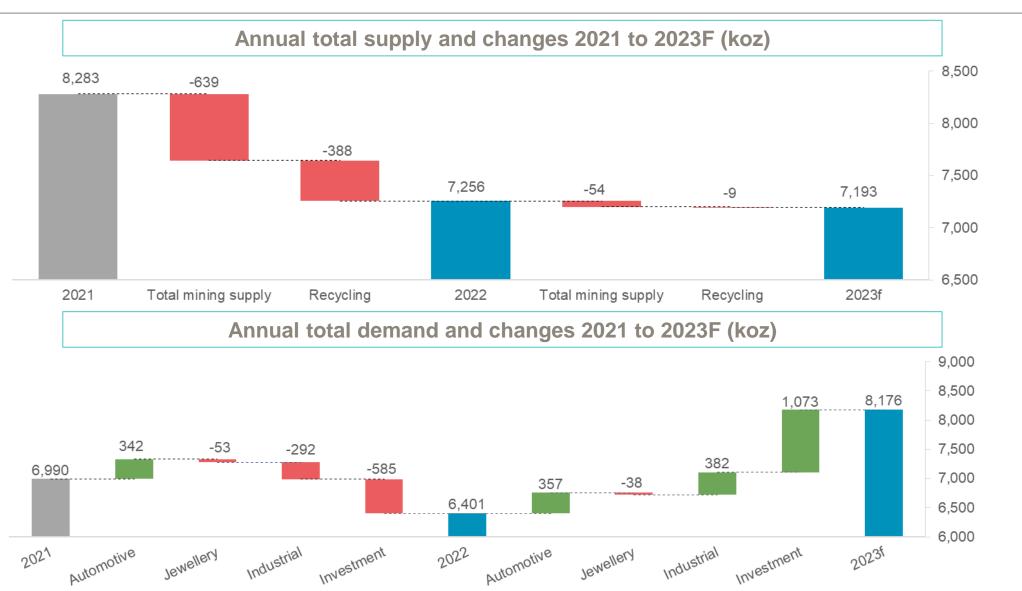
2022 - 2023F FULL YEAR: HIGHER 2022 SURPLUS, 2023 IN DEFICIT, CONSTRAINED SUPPLY & DEMAND GROWTH



| SUPPLY | 2022 | | YoY, oz | |
|---------------------------------------|-------|-------|---------|-------|
| Refined Production | 5,522 | 5,511 | -11 | 0% |
| South Africa | 3,915 | 3,873 | -42 | -1% |
| Zimbabwe | 480 | 502 | 22 | 5% |
| North America | 263 | 284 | 21 | 8% |
| Russia | 663 | 647 | -16 | -2% |
| Other | 201 | 205 | 4 | 2% |
| Inc (-)/Dec (+) in Producer Inventory | +43 | +0 | -43 | -100% |
| Total Mining Supply | 5,565 | 5,511 | -54 | -1% |
| | | | | |
| Recycling | 1,691 | 1,682 | -9 | -1% |
| Autocatalyst | 1,250 | 1,243 | -8 | -1% |
| Jewellery | 372 | 370 | -2 | -1% |
| Industrial | 68 | 69 | 1 | 2% |
| Total Supply | 7,256 | 7,193 | -63 | -1% |
| | | | | |
| DEMAND | | | | |
| Automotive | 2,897 | 3,255 | 357 | 12% |
| Jewellery | 1,899 | 1,861 | -38 | -2% |
| Industrial | 2,245 | 2,628 | 382 | 17% |
| Investment | -640 | 433 | 1,073 | N/A |
| Total Demand | 6,401 | 8,176 | 1,775 | 28% |
| | | | | |
| Balance | 854 | -983 | -1,838 | N/A |
| | | | | |
| Above Ground Stocks | 4,774 | 3,790 | -983 | -21% |

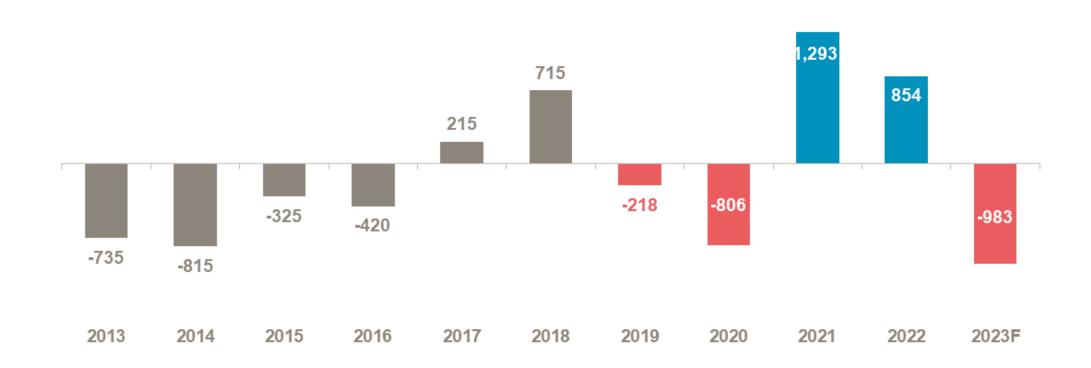
2023 OUTLOOK: MUTED SUPPLY UP 1% AND STRONG POSITIVE SWING IN DEMAND UP 28% (>1.7 MOZ)





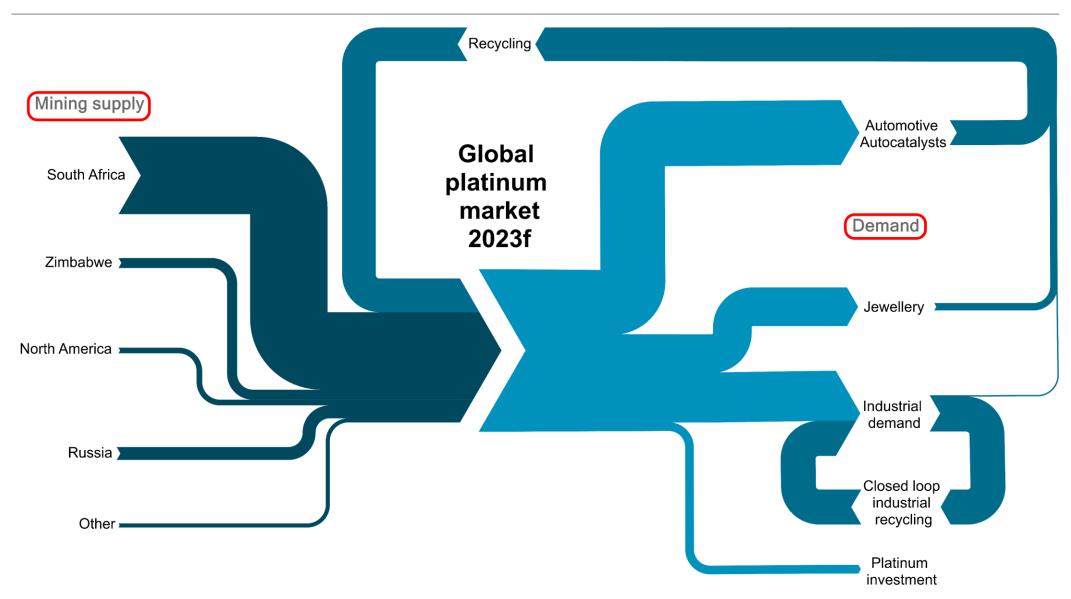
MARKET BALANCE: MOVING TO DEFICIT IN 2023 AFTER TWO YEARS OF SURPLUSES, A MOVE OF OVER 1.8 MOZ





EXPECTED PLATINUM FLOWS FROM MINERS TO DEMAND SEGMENTS AND RECYCLING RETURNS: ANNUAL 2023F





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3. Current thematics

- Strong underlying demand
- Risks to supply
- Swing to positive investment demand
- Largest ever market deficit

Edward Sterck, Director of Research

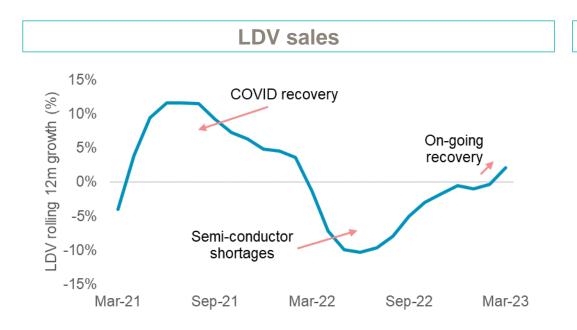
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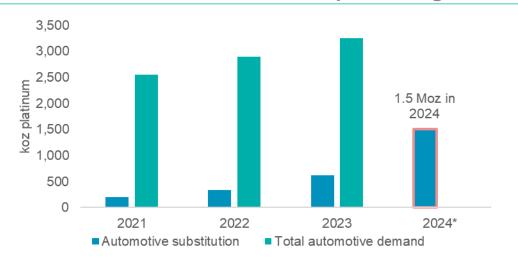


AUTOMOTIVE: FAVOURABLE TRENDS SEEMINGLY PLAYING OUT TO SUPPORT PLATINUM DEMAND





Substitution drives automotive platinum growth



Automotive demand +12% year-on-year

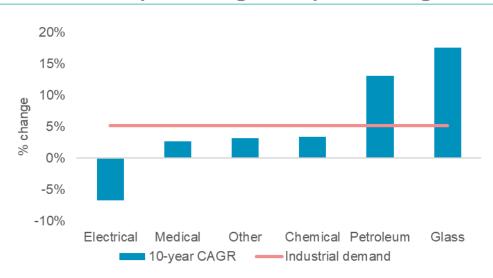
- Recovering LDV sales
- Heavy-duty and Non-road legislation
 - Substitution: 615 koz in 2023

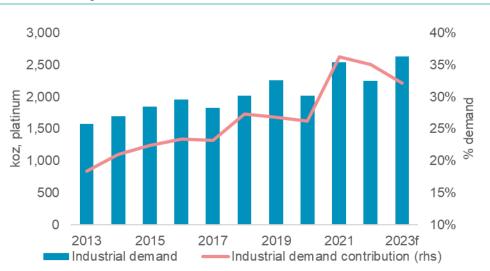
INDUSTRIAL DEMAND DELIVERS RELIABLE GROWTH DESPITE AN UNCERTAIN ECONOMIC BACKDROP



Industrial platinum growth per sub-segment

Industrial platinum demand to reach record in 2023





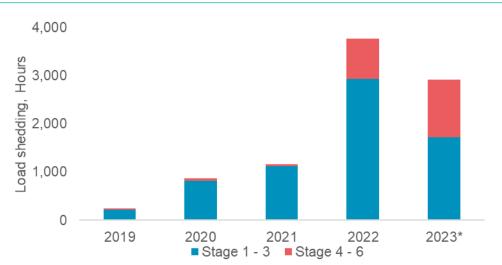
- Industrial demand +5.2% CAGR over ten years
- Demand to reach a new record in 2023 at 2,628 koz

SHIFTING TO THE METAL: SUPPLY RISKS ARE ALREADY CAUSING GUIDANCE REVISIONS





Downward revisions to mined supply persist



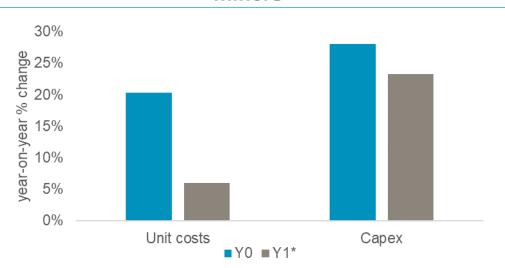


- Electricity shortages in South Africa intensified through Q1 2023
 - Refined production impacts from Stage 4 and above
 - Already witnessing 2023 production downgrades

SHIFTING TO THE METAL: SUPPLIERS APPEAR TO BE FACING SEVERAL HEADWINDS



Inflation remains challenging on aggregate for SA miners



Platinum outperforming PGM basket prices from 2022

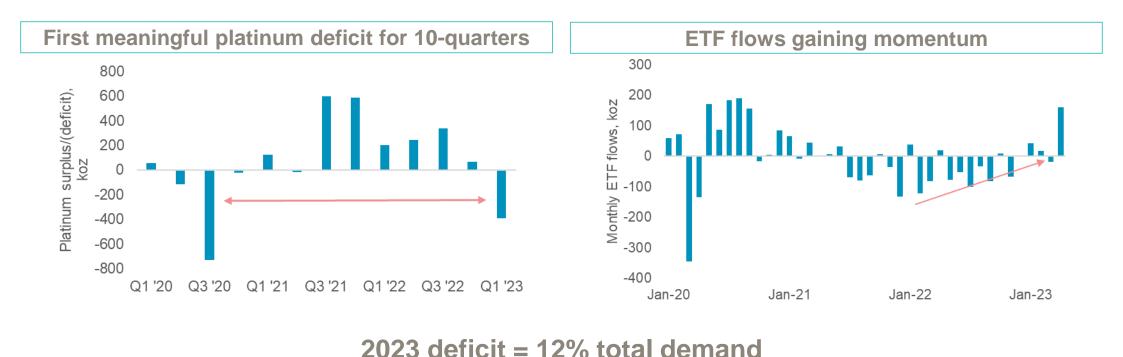


Attraction of metal over miners

- High cost inflation
- Capex biased to renewing ageing infrastructure, not growth
- Platinum outperforming the PGM basket (softening palladium and rhodium)

SHIFTING TO THE METAL: PLATINUM'S FIRST SUBSTANTIAL QUARTERLY DEFICIT IN TEN QUARTERS





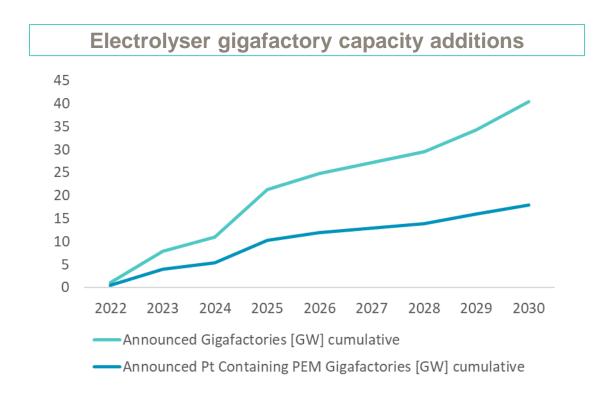
- Robust fundamentals driving positive net ETF investment
 - South Africa led ETF inflows
- Increased awareness of the deficit could drive further investment demand

TRACKING GREEN HYDROGEN THROUGH ELECTROLYSERS AND LOHC



Electrolysers and LOHCs can be used to track green H2 outlook

- Significant announced electrolyser capacity additions with almost 50% PEM market share and significant upside potential
- Deployment of LOHC infrastructure, such as toluene



WHY INVEST IN PLATINUM? SUPPLY RISKS, DEMAND GROWTH, DEFICITS, H2 & STRONG INVESTMENT CASE





- Forecasting a record deficit in 2023
- Strong growth in underlying demand despite challenging economic conditions
- Material risks to sustained supply from electrical shortages in South Africa and sanctions against Russia
- Sea change in investment demand moving into positive territory as investors look to capitalise on deficits
- A new, and fast growing, end source of demand from the hydrogen economy

WPIC INITIATIVES AND UPCOMING RESEARCH









WPIC initiatives:

- Shanghai Platinum Week starts on 26th June
- Added a new partner in China with specialist capabilities in platinum fabrication and strong wholesale distribution network
- Aiming for a first product partner in South Korea in 2023

WPIC Research:

- Associate analyst hired
- Additional capacity to support additional PGM and hydrogen research

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