

# Investor Handout

November 2024



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## About Kazakhstan

#### A PEACEFUL COUNTRY

One of the first countries to voluntarily give up **nuclear weapons** The first country in Central Asia to have been a member of the **UN Security Council** Co-presided over IAEA's **International Conference on Nuclear Security 2024** Hosted **World Nuclear Fuel Cycle 2024** 

#### AN ECONOMICALLY STABLE COUNTRY

**52<sup>nd</sup> largest economy by GDP** according to World Bank 2020 ranking (from 101st in 2000)

#### Gross foreign investments

~431 billion USD over the past 30 years

#### **Credit ratings**

- Moody's Baa1 stable (2024)
- S&P BBB-/A-3 stable (2024)
- Fitch BBB stable (2024)

#### A PRO-BUSINESS COUNTRY

25th according to World Bank 2020 "Ease of Doing Business" ranking (from 63rd in 2010)
4th in terms of Enforcing Contracts and 7th in terms of Protecting minority investors according to World Bank

#### A FAST DEVELOPING ECONOMY

9th largest country by territory
20.0 mln population (2023)
12,310 USD GDP per capita (2023, IMF)
3.5% GDP growth (2024 IMF projection)
8.5% inflation (October 2024)
458.69 average USD:KZT FX rate (9M2024)

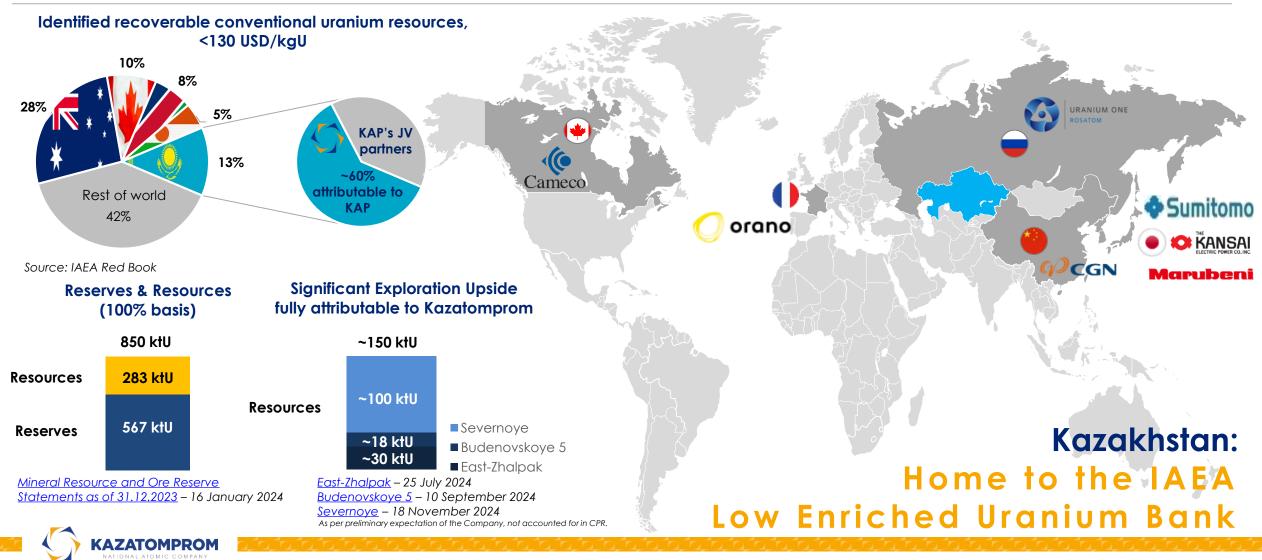
#### **ABUNDANT NATURAL RESOURCES**

- ~5,000 deposits
- 99 out of 118 periodic table elements
- **#1** zinc, tungsten, barite reserves
- **#2 uranium,** chromite, argentum, lead
- reserves
- #6 gold reserves
- #7 coal reserves
- #12 oil reserves
- #24 gas reserves



# Kazakhstan – Central to the Industry

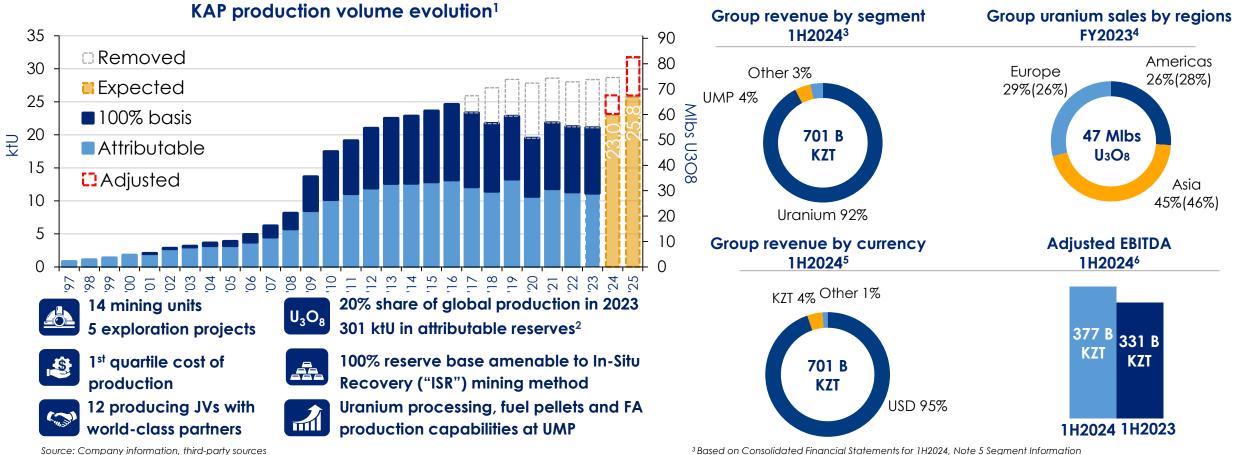
### 12 Joint Ventures located in Kazakhstan with nuclear industry leaders



## Kazatomprom at-a-Glance



Largest producer of natural uranium with priority access to one of the world's largest reserve bases



<sup>1</sup> Production volumes of  $U_3O_8$  (attributable basis) is not equal to the volumes purchased by Company and THK. Production guidance for 2024 illustrated as the middle of the guidance range disclosed in TU 2Q24, production guidance for 2025 illustrated as the middle of the guidance range disclosed in OFR 1H2024. Adjustment refers to difference between initial expectations for 2024/2025 production and latest auidance <sup>2</sup> As per the CPR letter 2023 (dated 16 January 2024)

<sup>3</sup> Based on Consolidated Financial Statements for 1H2024, Note 5 Segment Information

<sup>4</sup> Based on legal address of the clients' parent company or decision-making HQ, may differ from financial statements data under IFRS. Figures for FY2022 are shown in parentheses

<sup>5</sup> At average USD:KZT exchange rates for the relevant period, i.e. 449.00 average for 1H2024

<sup>6</sup> Adjusted EBITDA is calculated by excluding from EBITDA items not related to the main business and having a one-time effect

#### **Investor Handout**

**(AZATOMPROM** TIONAL ATOMIC COMPANY

### **Investment Thesis**



Largest producer, lowest costs

Resilient financials, committed to sustainable returns

Largest ISR uranium reserves, priority access to Kazakhstan's resources

Solid health, safety and environmental records, commitment to strong ESG MARKET LEADERSHIP WITH A FOCUS ON VALUE

Positioned for growth, global customer portfolio Committed to high international standards of governance





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20% of Global Production (2023)



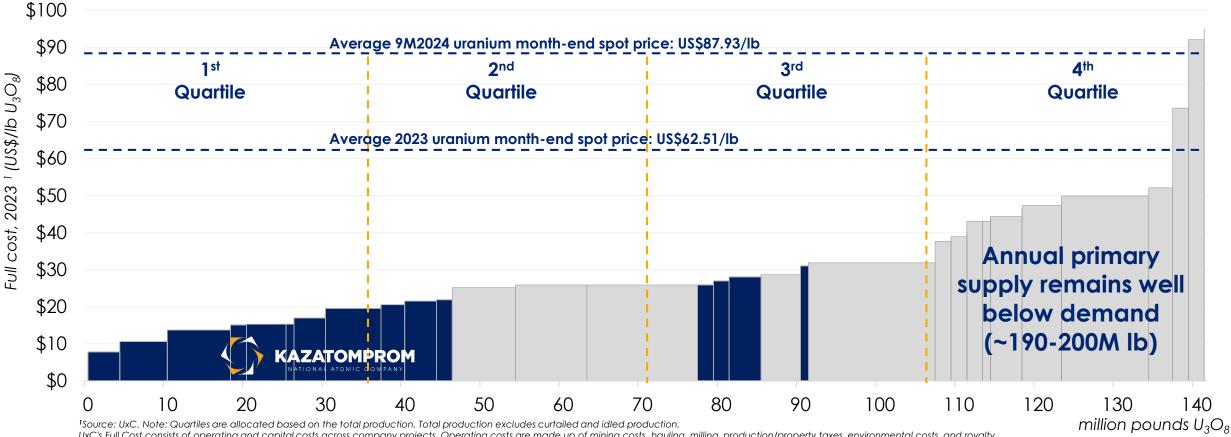
100% In-Situ Recovery mining

## **One of the Lowest Cost Producers**



• Low cash costs driven by cost-efficient ISR mining method

### 2023 Global Production Cost Curve



UxC's Full Cost consists of operating and capital costs across company projects. Operating costs are made up of mining costs, hauling, milling, production/property taxes, environmental costs, and royalty severance tax. Capital costs are made up of acquisition/exploration costs, mine development costs, mill construction costs, environmental/infrastructure costs, and General & Administrative costs.

### **OUR STRATEGY: VALUE OVER VOLUME**

Focusing on uranium mining as our core business

ATOMPRO

 Optimise production & sales volumes based on market conditions



Create value by enhancing marketing & sales capabilities

MAAAA



Implement bestpractice business processes

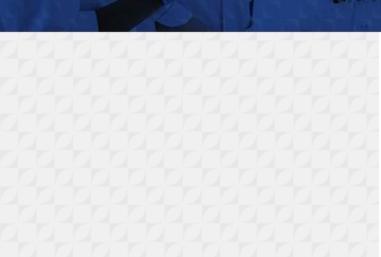


 Develop a corporate culture suitable for an industry leader

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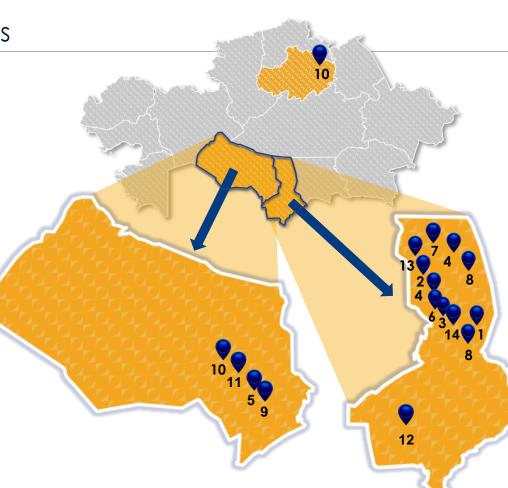
# Geography of Kazatomprom Operations 🏈

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### Natural advantages of Kazakhstan's ISR deposits

- Uranium in sandstone as coatings on sand grains at depths of up to 800 meters
- Uranium is insoluble in natural groundwater, low pH solution circulated through the orebody to dissolve it
- Closed-loop system: solution pumped to a processing facility to recover the uranium, pH is readjusted and solution is re-injected
- Upon decommissioning, groundwater has been proven to return to pre-mining chemistry through natural attenuation
- Limited operational risks with ISR mining method

KAZATOMPRON



# KAP's mining subsidiaries

- 1. KATCO
- 2. Inkai
- 3. Karatau
- 4. SMCC
- 5. Khorasan-U
- 6. Akbastau
- 7. Ortalyk
- 8. SaUran
- 9. Baiken-U
- 10. Semizbai-U
- 11. RU-6
- 12. Zarechnoye
- 13. Appak
- 14. Budenovskoye



# **Uranium mining methods**



### In-situ Recovery

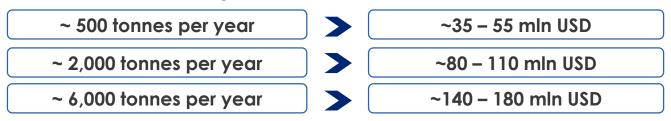


### Other mining methods

- However, ISR mining method cannot necessarily be used everywhere it requires a porous ore body so fluids can circulate confining layers above and below the ore horizon. In Kazakhstan, these conditions are found naturally over hundreds of square kilometers, with confining clay layers above and below the porous sandstone ore.
- At a typical underground or open pit mine, the ore is blasted and broken up, extracted and taken to the mill to be crushed. Acid is used to leach the metal from the crushed rock and the metal is then purified out of that solution. Such mines are generally inflexible (either ON at full design capacity or OFF due to a higher fixed cost structure) and come with high CAPEX and long development timelines.

In-Situ Recovery mining method (ISR) is a chemical process for extracting minerals through a system of technological wells. Ore is extracted to the surface by dissolving it in a chemical solution. Negative pressure between injection and extraction wells pulls the fluids in the desired horizontal direction to avoid uncontrolled "excursions".

Approximate Kazakh ISR greenfield capital cost\* based on volume:

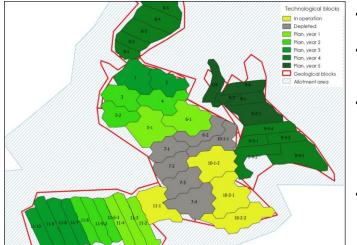


\*Includes productive solution processing shop (PSPS), camp, electricity, workshop offices, sand trap, pump station, sulfuric acid store, warehouse construction. Wellfield development costs (well construction, wellfield infrastructure, road construction, etc.) are not included. Indicative figures, assuming a 460 USD/KZT exchange rate



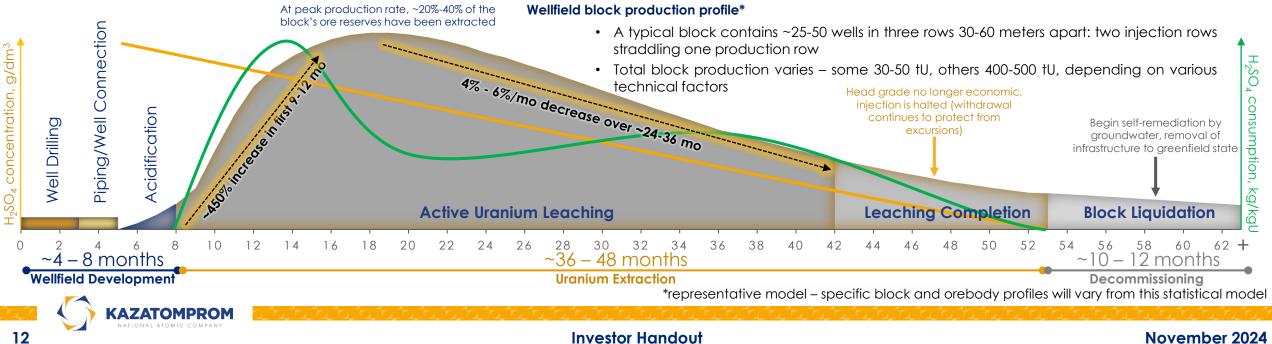
# ISR mining sequence at a deposit





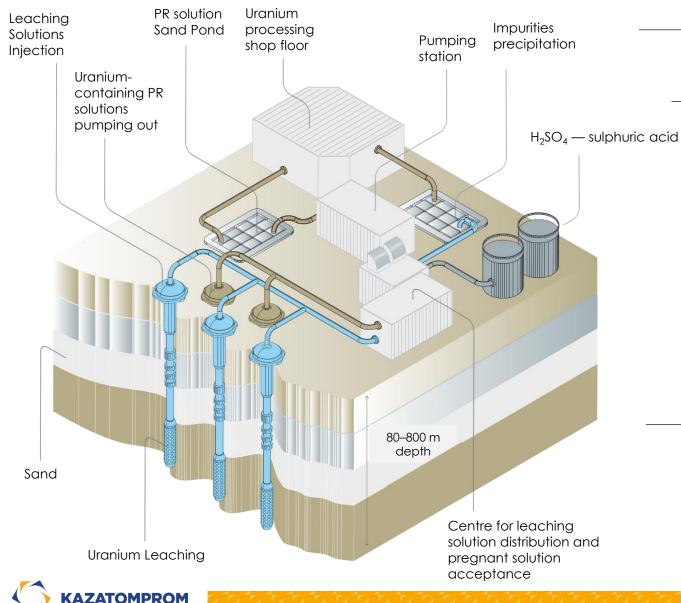
- Deposit development using the ISR method is carried out through a system of technological wells (without disturbing the earth's surface).
- The wells are combined into one technological block. Each technological block is processed individually through the ground infrastructure system. Each technological block is isolated and prepared for production in different periods relative to adjacent blocks.
- ISR method uses sulphuric acid for two distinct stages block preparation (acidification) and uranium mining:
  - Acidification from 20% to 35% of the total volume of sulphuric acid. The volume of sulphuric acid for acidification depends on the required number of blocks prepared for extraction.
  - Uranium mining from 65% to 80% of the total volume. Sulphuric acid is added to the solution during uranium mining to maintain the chemical and physical state, to enable transfer of uranium into solution.
- To provide a stable rate of uranium production, the ISR wellfield units should be placed in production in a systematic order. While some units are being leached, others are being prepared for production. When one unit is undergoing passive oxidation, another is in the terminal leach phase, while yet another one is in reclamation. More acid is needed at the stages of block preparation and closure.





#### November 2024

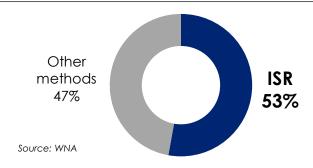
# **Overview of ISR uranium mining**



Natural uranium production by ISR vs conventional mining

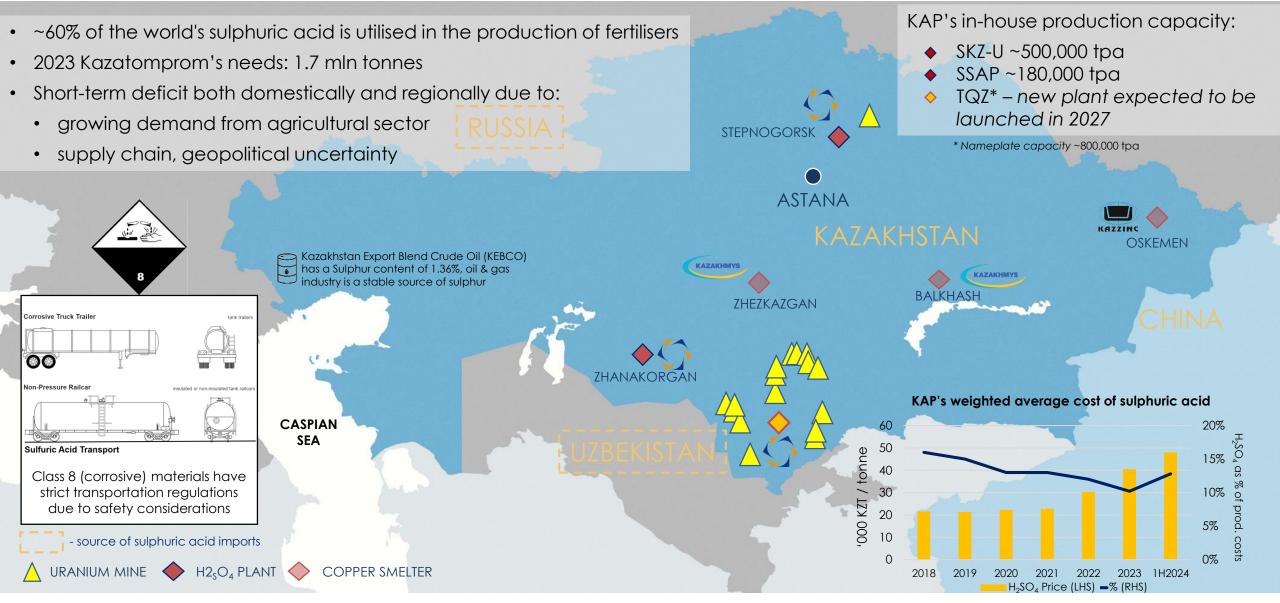
- Lower cost to build
  - $\checkmark$  Shorter construction timelines
  - ✓ Lowest quartile operating cost
  - ✓ Small environmental footprint
  - ✓ Limited health and safety exposure to personnel

Share of ISR mining in total uranium production (2023)



# Sulphuric Acid – Key ISR Component





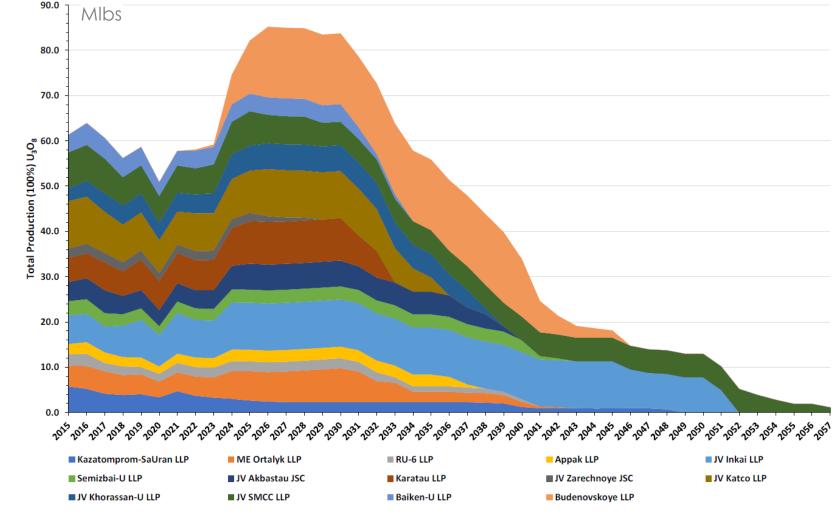
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#### November 2024

### **KAP's Production Profile**



#### Summary production profile (100% basis)



- Reserves distributed among the existing mining entities
- Chart does not include resources, which are in early exploration stage (see page 16 for more details)
- Illustrated profile as shown in the 2022 CPR report, which shows 100% SUA production level from 2024, but <u>actual production</u> plans are based on market <u>conditions and subject to supply</u> <u>chain risks</u>
- Therefore, during periods of production cuts, the illustrated curve shifts to the right, effectively extending past the nominal Life of Mine Plan depletion schedule

#### Source: SRK CPR report 2022

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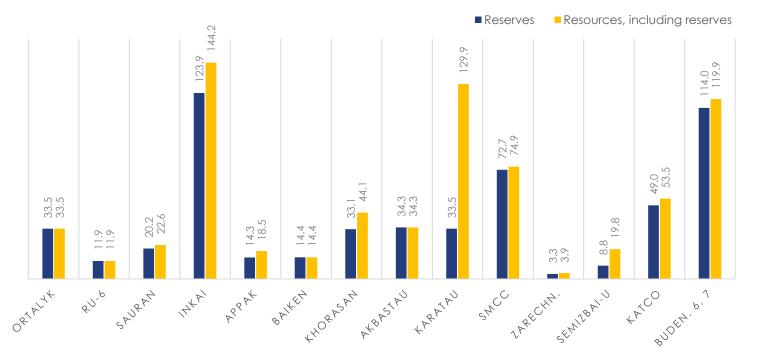
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\*SUBSOIL USE CONTRACT SUMMARY FROM CPR – NOT GUIDANCE\*

# **Kazatomprom's Upside Potential**

• 100% mineable using in-situ recovery (ISR)

### Producing assets reserves and resources (ktU)



### Pilot Production: Inkai 3 block<sup>1</sup>

- Reserves/resources: / 83 ktU
- 2024-2028: 701 tU total production expected

### Exploration project pipeline:

### Inkai 2 block<sup>2</sup>

Reserves/resources: - / ~42 ktU

#### East-Zhalpak<sup>3</sup>

Reserves/resources: - / ~30 ktU

### Budenovskoye 5<sup>3</sup>

Reserves/resources: - / ~18 ktU

#### Severnoye<sup>3</sup>

Reserves/resources: - / ~100 ktU

Large scale exploration program aimed at resource replenishment and reserves increase

Kazakhstan has 12% of the world's uranium resources (2nd largest in the world)<sup>4</sup> with 567 ktU in reserves and 850 ktU in resources, including reserves<sup>5</sup>

<sup>1</sup> The Company obtained a SUA Agreement licence for uranium mining at Inkai 3 in <u>June 2024</u>, with a pilot production period of up to four years. The subsoil use agreement for Inkai 3 has been transferred to Kazatomprom-Sauran LLP, a 100% subsidiary of Kazatomprom. <sup>2</sup> Exploration period at Inkai 2 has been extended by 4 years.

<sup>3</sup> As per preliminary expectation of the Company, not accounted for in CPR.
 <sup>4</sup> According to World Nuclear Association, as of June 2022.

<sup>4</sup> According to World Nuclear Association, as of June 2 <sup>5</sup> As of 31 December 2023.



### **Changes to KAP's Production Profile**

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CPR 2018 report

SMCC Inkai SaUran Karatau Ortalyk Akbastau Baiken-U Semizbay-U Khorasan-U RU-6 APPAK Zarechnoye Budenovskoye

Proposed changes – subject to regulatory approval

20ADE 20AIE

ktU, 100% basis

30

25

**Loda** 20 15

**U** 10

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**adjustments** <sup>30</sup> <sup>25</sup> <sup>20</sup> <sup>15</sup>

Planned <sup>2</sup>

17

CPR 2022 repor

ktU, 100% basis



### Production curve is expected to shift to the right due to:

Expected changes, subject to approval: JV Budenovskoye LLP:

- 2024: 500 tU vs. CPR: 2,500 tU
- 2025: 1,300 tU vs. CPR: 4,000 tU
- 2026: 3,750 tU vs. CPR: 6,000 tU
- 2027+: 6,000 tU/year

Appak LLP:

- 2024+: 800 tU/year vs. CPR: 1,000 tU Karatau:
- 2027+: 3,600 tU vs CPR: 3,200 tU Akbastau:
  - 2027+: 2,194 tU vs CPR: 1,931 tU

Approved, addendums to SUAs signed: JV KATCO LLP:

- 2024: 2,500 tU vs. CPR: 3,400 tU Semizbay-ULLP:
  - SUA duration extension until 2030 (previously – 2024)

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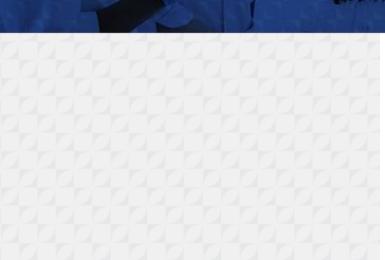
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2050K 2051K

-OSA







# Strong Fundamentals



### 🔀 Nuclear is key to energy security and net-zero emissions



Critical role to play in the transition to net zero as a safe and clean source of energy



Increasingly becoming a part of the national energy security strategies



- Stable, baseload power to underpin renewable generation
- Thousands of cumulative reactor years of safe power production



Recognized by EU, UK, CA as green



Japan restarts post-Fukushima; US plans to restart mothballed reactors; Microsoft, Oracle, Google and Amazon embracing nuclear

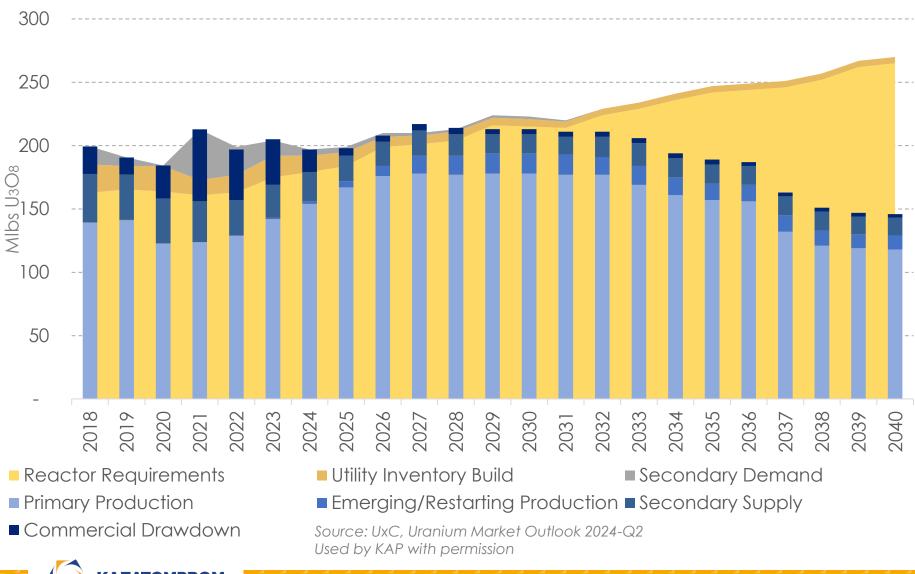


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More than 30 countries and 14 major banks pledged to support tripling nuclear output by 2050

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# Long-term Supply/Demand Dynamics

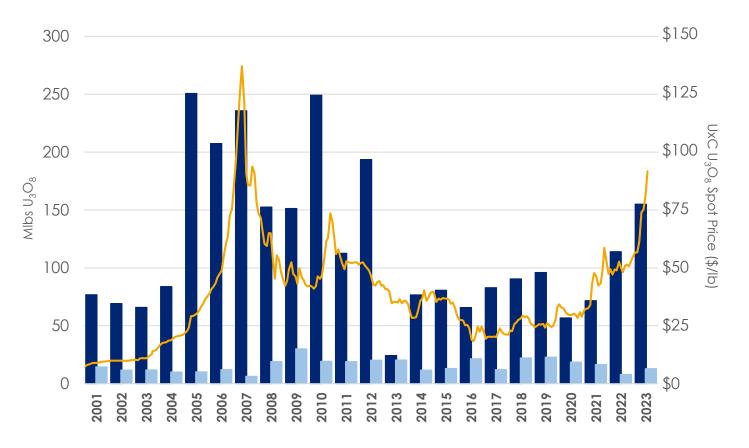


 Widening supply and demand gap

- Long mine
  - development timelines
- Rising prices incentivise new production
- Idle capacity restarts announced
  - New potential production is not sufficient to cover demand post-2030

# Historic Demand – A Long-term Market

• Historical annual spot and term trading volumes



Utility Term Utility Spot

 2005-2012 – significant long-term contracting, rolling off in early 2020s

- > 2012-2017 oversupplied market resulting in falling prices
- > 2018-2019 market balanced following significant production cuts
- > 2020-2021 limited utility contracting due to COVID-19 pandemic and high price volatility
- 2022-2030 forecast uncovered demand of ~500<sup>1</sup> million pounds U<sub>3</sub>O<sub>8</sub>, utilities expected to return to the market

<sup>1</sup>Source: UxC, with permission.

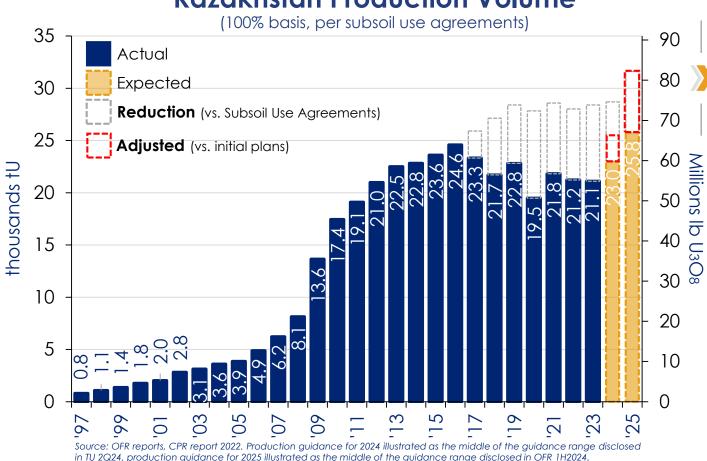
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# **Committed to Market Discipline**



 Creating long-term value through value-over-volume strategy



### **Kazakhstan Production Volume**

production guidance for 2025 illustrated as the middle of the guidance range disclosed in Adjustment refers to difference between initial expectations for 2024/2025 production and latest auidance



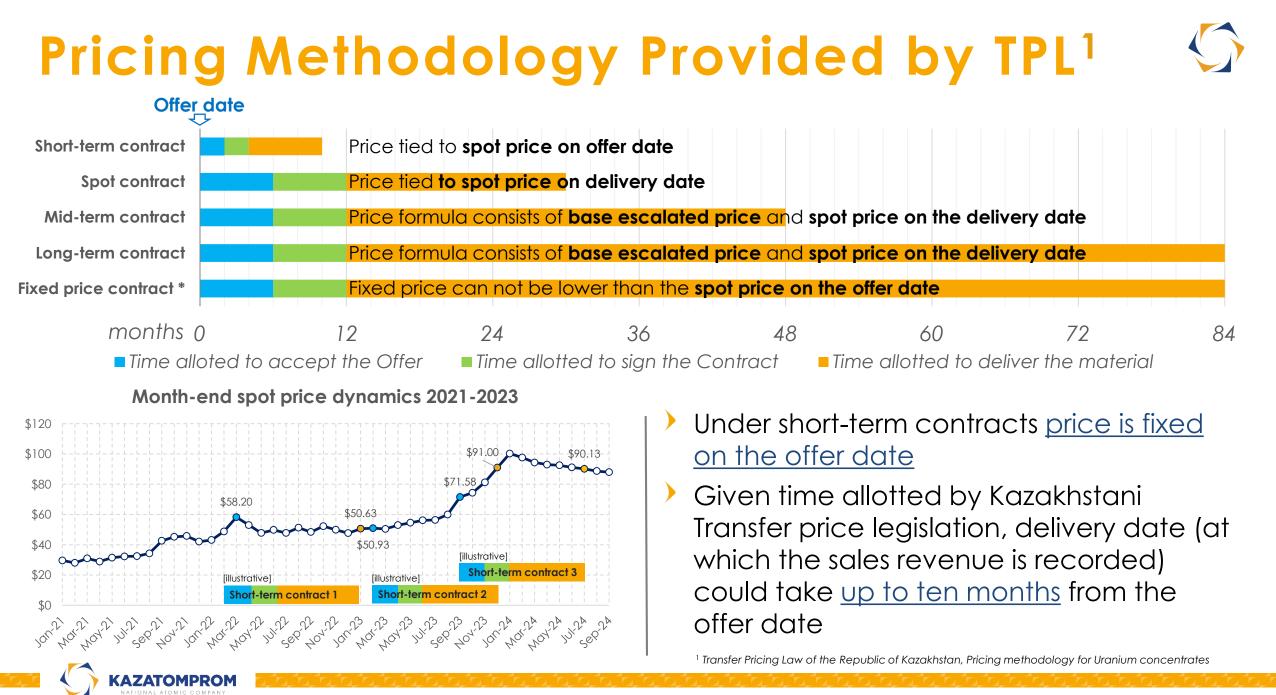
### Significant supply impact

- 2017-2023 (actual): Reduced over 42,800 tU total
- 2024 (estimate): ~6,000 tU total expected reduction vs. SUAs\*
- 2025 (expected): ~25,000 26,500 tU on 100 % basis

### **Ongoing challenges and contributions**

- Limited access to sulphuric acid
- Construction schedule delays at newly developed deposits
  - Production schedule adjustments for JV Budenovskoye and other mining entities

\*expected changes to SUAs as disclosed in OFR 1H2024 are not taken into account



### Uranium sales price sensitivity

Group's  $U_3O_8$  average realized price response to spot price change



#### \$/lb FY2021: **\$35.05** FY2022: **\$49.6**1 FY2023: <mark>\$60.53</mark> 9M2024: **\$88.92** FY2021: \$33.11 FY2022: \$43.44 FY2023: \$55.09 9M2024: \$66.81 **Š**96.75 100 \$88.49 90 S81.79 \$78.10 80 70 \$59.70 \$53.96 60 S52.56 \$68.41 S50.35 \$68.29 \$49.44 \$48.47 68.05 \$47.96 \$62.53 \$43.98 50 \$35.98 \$52.93 40 \$29.12 \$47.51 \$47.30 \$46.10 \$46.75 \$41.90 30 \$39.36 \$35.82 \$32.10 — Group average realized price Average weekly spot price 20 \$29.71 \$29.39 1Q2021 2Q2021 3Q2021 4Q2021 1Q2022 3Q2022 4Q2022 1Q2023 2Q2023 3Q2023 4Q2023 1Q2024 2Q2024 3Q2024 2Q2022 Avg. Annual Spot Price (USD) 2024E 2025E 2026E 2027E 2028E 20 26 24 25 22 40 39 40 40 40 60 50 54 56 56 58 80 67 70 74 74 75 100 83 82 89 88 92 12098 95 104 103 109 113 107 119 117 126 140

**Average Realized Prices** 

Values are rounded to the nearest dollar. The sensitivity analysis above is based on the following key assumptions:

- Annual inflation is assumed to be 2% in the US for the purposes of this analysis.

- The analysis is as of June 30, 2024 and has been prepared for 2024-2028 based on the Group's guidance of sales volume of approximately 16.5 thousand tons of uranium in the form of U<sub>3</sub>O<sub>8</sub> in 2024, assuming an average annual sales volume of approximately 22.3 thousand tons of uranium (not relevant to the guidance figure) in the form of U<sub>3</sub>O<sub>8</sub> in subsequent years. The sales volume under the contracts, as of June 30, 2024, will be sold in accordance with the existing contract terms (i.e. contracts with combined pricing mechanisms with a fixed price component (calculated in accordance with an agreed pricing formula) and/or a combination of separate spot, mid-term and long-term prices); Kazatomprom's marketing strategy does not target a specific proportion of fixed and market price contracts in its portfolio in order to remain flexible and adequately respond to ensure that the Company is able to meet the needs of the market. - A difference between sales prices and spot prices is expected for 2024, isoce diverses under some long-term contracts in 2024 incorporate a proportion of fixed pricing that was negotiated during a lower price environment.

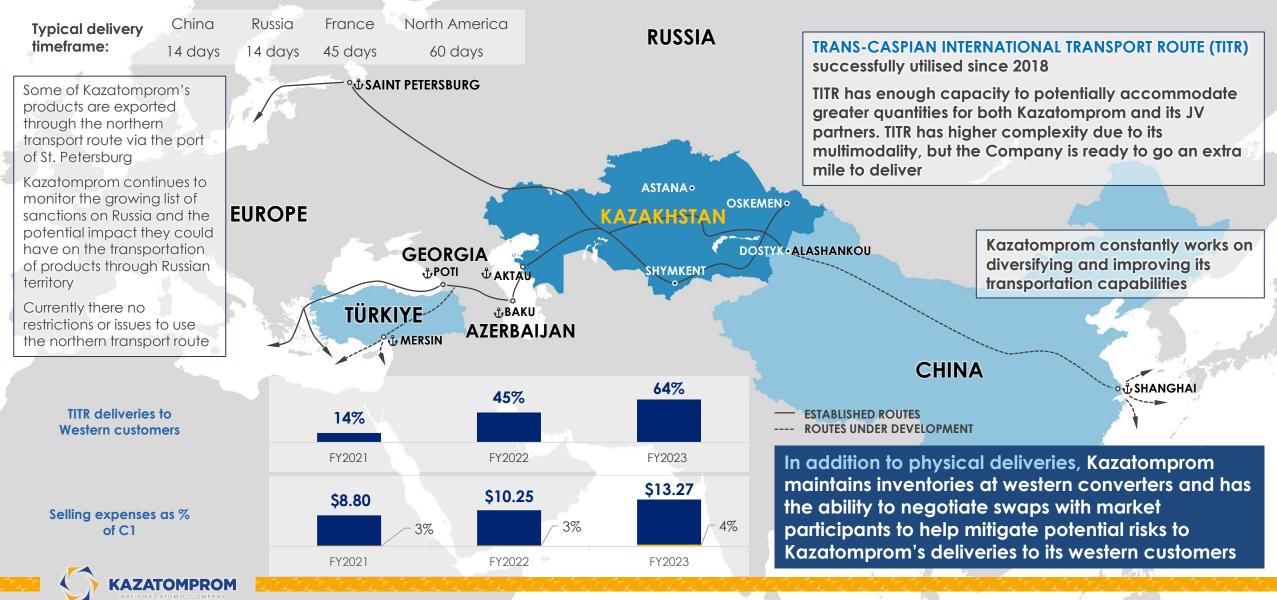
- For the purpose of the table, uncommitted volumes of U<sub>3</sub>O<sub>8</sub> are assumed to be sold under short-term contracts negotiated directly with the customers and based on spot prices.

- The average realized price at spot prices of \$20 and \$40 is not shown in this analysis for 2024E. After the first half of the year would not reduce the overage annual spot price cannot mathematically be equal to \$20 or \$40. This is because the second half of the year would not reduce the overall average price enough to reach such low values given the high price levels in the first half of the year.

- The calculations of average annual sales volume are based on CPR report data on production, except for JV Budenovskoye LLP, for which the calculation of sensitivity to spot prices is based on the assumption that production of JV Budenovskoye LLP in 2026 will be 3,750 tonnes (6,000 tonnes according to the CPR report).



# Existing and Potential Transportation Routes



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# **Global Presence, Strong Customer Base**





#### Consolidated sales of U<sub>3</sub>O<sub>8</sub> by region

(% of consolidated  $U_3O_8$  sales volume)

Region	2019	2020	2021	2022	2023
Americas	17%	24%	32%	28%	26%
Asia	53%	43%	41%	46%	45%
Europe	30%	33%	27%	26%	29%

#### Regional breakdown of U<sub>3</sub>O<sub>8</sub> sales:

 Strategic focus on a diversified sales portfolio in terms of clients, countries and regions. Our philosophy is not to put all our eggs in one basket.

#### Kazatomprom has enjoyed:

- More than 25-year track record and reputation of reliable long-term deliveries to its customers.
- Supply contracts with most major nuclear utilities around the world.
- A logistical proximity to major growth markets allowing it to grow with new nuclear entrants.



# **OPERATING AND FINANCIAL HIGHLIGHTS**

# **Mining Assets Production Breakdown**



Mining Asset	Partner	KAP Interest (%)	Accounting Treatment	Depletion (year)	1H2024, tU as U <sub>3</sub> O <sub>8</sub> , (100% basis)	FY2023, †U as U <sub>3</sub> O <sub>8</sub> , (100% basis)
SaUran	100% KAP	100	Full consolidation	2049	543	1,070
RU-6	100% KAP	100	Full consolidation	2037	424	833
Appak	Sumitomo, KANSAI	65	Full consolidation	2037	446	832
Inkai	Cameco	60	Full consolidation	2051	1,350	3,230
Baiken-U	Energy Asia <sup>2</sup>	52.50 <sup>3</sup>	Full consolidation	2033	614	1,066
Ortalyk	CGN	51	Full consolidation	2042	753	1,648
Khorasan-U	Energy Asia, Uranium One	50	Full consolidation	2038	858	1,681
Budenovskoye	SMCP	51	Full consolidation <sup>4</sup>	2045	201	180
Akbastau	Uranium One	50	Proportionate	2041	977	1,647
Karatau	Uranium One	50	Proportionate	2032	1,611	2,611
Semizbai-U	CGN	51	Equity accounting	2035	429	963
Zarechnoye	Uranium One	49.98	Equity accounting	2028	311	757
KATCO	Orano	49	Equity accounting	2035	958	2,103
SMCC	Uranium One	30	Equity accounting	2057	1,382	2,488
Source: Company info <sup>1</sup> Based on mine plans,	, CPR 2022	of Briken II. Shareho	Idam are KAR 50% and Energy Asia Holdinar Ital 50	D <i>a</i> 7	10,857	21,112

<sup>2</sup> A company registered in British Virgin Islands that owns 95% shares of Baiken-U. Shareholders are KAP 50% and Energy Asia Holdings Ltd 50%

<sup>3</sup> KAP directly owns 5% of Baiken-U and indirectly owns 47.5% of shares through Energy Asia, thus in total having 52.5% shares of Baiken-U

<sup>4</sup> JV Budenovskoye LLP entered the consolidation perimeter starting 1 January 2024

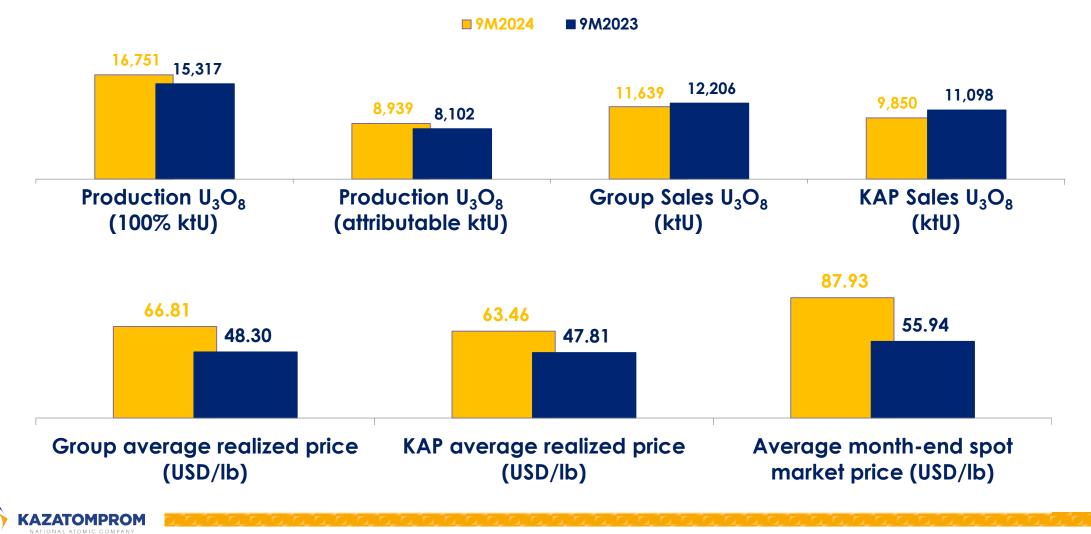
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# 9M2024 Operational Highlights



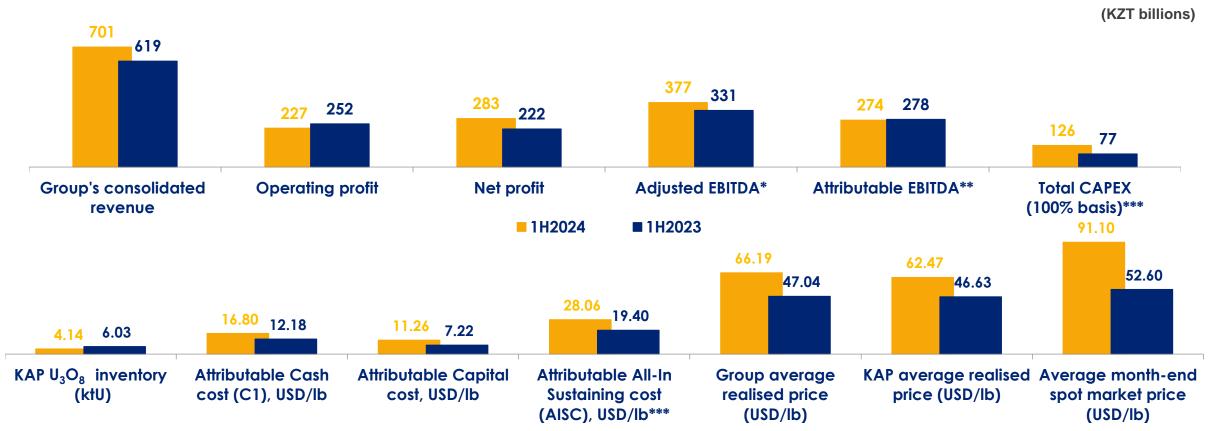
• Trading Updates published quarterly



# **1H2024 Financial Highlights**



• Operating and Financial Review published semiannually



\* Adjusted EBITDA is calculated by excluding from EBITDA items not related to the main business and having a one-time effect

\*\* Attributable EBITDA (previously "Adjusted Attributable EBITDA") is calculated as Adjusted EBITDA less the share of the results in the net profit in JVs and associates, plus the share of Adjusted EBITDA of JVs and associates engaged in the uranium segment, less noncontrolling share of adjusted EBITDA of "Appak" LLP, JV "Inkai" LLP, "Baiken-U" LLP, "Ortalyk" LLP, JV "Khorasan-U" LLP and JV "Budenovskoye" LLP, less any changes in the unrealized gain in the Group (in 1H2023 JV "Budenovskoye" LLP's EBITDA was not counted due to its minor effect)

\*\*\* Total capital expenditures (100% basis): includes only capital expenditures of the mining entities, includes significant CAPEX for investment and expansion projects. Excludes liquidation funds and closure costs.



# **Debt and Cash Overview**



#### as at June 30, 2024

#### Gross debt: US\$309m

- Debt of US\$279m
- Off Balance sheet guarantees US\$30m provided to JVs and Associates
- 69% of Debt in USD, the currency of the most of the Group's revenue
- 98% of Debt at fixed rate

#### Cash and short-term deposits: US\$323m

 KAP places cash in financially stable second-tier banks of the RoK in form of short-term highly liquid instruments

#### Dividends

 In June 2024 KAP distributed a total amount of ~US\$667m in dividends to its shareholders for the results of FY'23

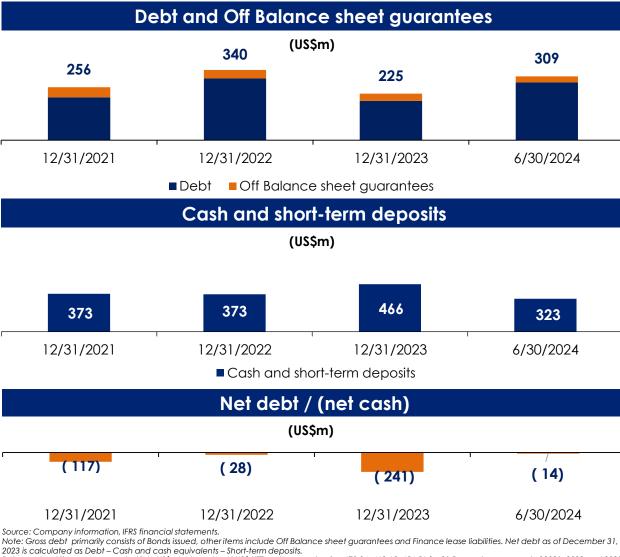
#### Net debt: US\$(14)m

 As of June 30, 2024, the total limit on the Group's revolving credit lines was USD 253 million, of which USD 248 million were available for use

FitchRatings BBB (Stable) Jan 2024

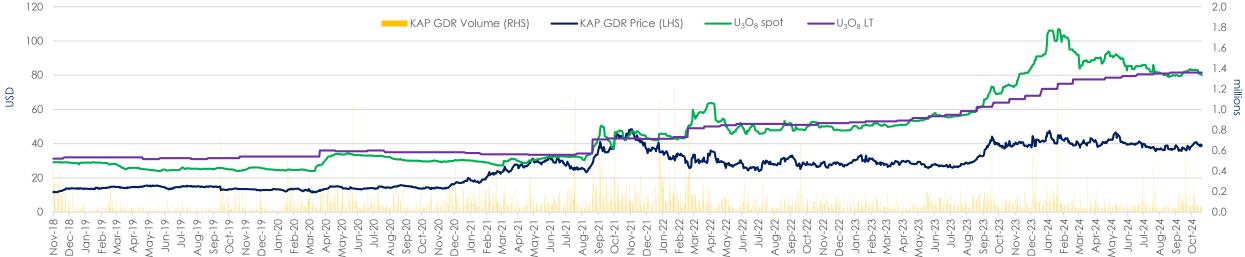
Moopy's Baal (Stable) Sep 2024





Balance sheet items are converted into US\$ at relevant spot US\$KZT exchange rates, i.e. 470.34, 462.65, 454.56 for 31 December year-end of 2021, 2022 and 2023 and 471.46 for 30 June 2024

### Financial ratios & Share price



Indicator	2019	2020	2021	2022	2023
EBITDA Margin	43.01%	47.50%	43.05%	53.69%	52.98%
ROIC	12.21%	12.22%	11.07%	20.02%	25.38%
ROA	12.04%	10.91%	7.73%	16.68%	17.39%
ROE (DuPont)	14.28%	15.71%	12.00%	27.64%	29.52%
Altman Z-score	4.63	6.57	9.17	6.96	8.21
CFO/Capex	6.48	13.24	8.17	4.48	4.81
Cash Conversion Cycle	242.24	268.52	276.69	294.27	225.64
Earnings Yield	14.69%	9.50%	7.92%	12.58%	8.66%
FCF Yield	10.80%	10.44%	2.72%	7.66%	8.61%
Dividend Yield	6.2%	6.7%	4.8%	6.9%	6.3%
Dividend payout ratio	42.11%	53.94%	106.61%	65.33%	47.94%
Cumulative TSR	19%	70%	243%	185%	310%

Source: Bloomberg, UxC, TradeTech. Dividend yield shown for dividends paid out in the calendar year, rather than fiscal year

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### Mineral Extraction Tax changes (1/2)



### MET rate is due to change in two stages

- 2023–2024: Uranium price considered for MET purposes is the average of spot prices quoted by the uranium price reporters (UxC and TradeTech) multiplied by the actual amount of uranium mined and a MET rate of 6%.
- > 2025: Starting 1 January 2025, applicable MET rate for uranium will change to 9% (only for the year 2025).
- 2026 and beyond: Starting 1 January 2026, a differentiated MET approach depending on the actual volume of annual production under each SUA and the Uranium price will be introduced.

Annual production volume	Rate, %
Up to and including 500 tU	4%
Up to and including 1,000 tU	6%
Up to and including 2,000 tU	9%
Up to and including 3,000 tU	12%
Up to and including 4,000 tU	15%
Above 4,000 tU	18%

Furthermore, if U<sub>3</sub>O<sub>8</sub> price exceeds the values specified in the table below, an additional MET rate increase will be applicable:

Weighted average U <sub>3</sub> O <sub>8</sub> price (UxC/TradeTech)	Additional rate, %
Above \$70/lb	0.5%
Above \$80/lb	1.0%
Above \$90/lb	1.5%
Above \$100/lb	2.0%
Above \$110/lb	2.5%



### Mineral Extraction Tax changes (2/2)

- MET is paid by Kazatomprom's mining entities, rather than at the group level. But MET is not calculated on a mining entity basis, but on a Subsoil Use Agreement (SUA) basis. Some mining entities hold multiple SUAs.
- MET is neither a progressive nor a marginal tax approach.
- Uranium price considered for MET purposes is the average of spot prices quoted by the uranium price reporters (UxC and TradeTech), not the average realized price.
- Uranium produced by Kazatomprom's JVs and associates is purchased from them by Kazatomprom at spot less applicable discount. In 1H2024, U<sub>3</sub>O<sub>8</sub> was purchased at a weighted average discount of 3.93% to the prevailing spot price (3.61% in 1H2023).
- This setup creates a financial incentive for Kazatomprom to keep its group average realized price as close to U<sub>3</sub>O<sub>8</sub> spot price as possible.
- A sensitivity analysis of the MET rate for different scenarios of uranium production and uranium prices for the year 2026\* has been developed for investors use:

Average annual spot price (\$/lb)	80% of CPR production volume	90% of CPR production volume	100% of CPR production volume
60	8.4%	10.4%	11.7%
70	8.8%	10.8%	12.2%
80	9.2%	11.3%	12.7%
90	9.6%	11.7%	13.2%
100	10.0%	12.2%	13.7%
110	10.4%	12.6%	14.2%

\* Calculations are based on data from the CPR report, except for JV Budenovskoye LLP, which assumes a production level of 3,750 tU (vs CPR: 6,000 tU)

• MET increases will be offset to some extent due to a decrease in taxable base for corporate income tax calculation purposes.



# **Dividend Policy**

FCF is a base for dividend distribution. Consistent cash flows with a compelling dividend yield

#### Dividends\* div. yield Cash flow from operating activities FY (KZT bln) Acquisition of PPE (incl. advances), Acquisition of intangible assets 6.7% 2019 99 Acquisition of mine development assets, Acquisition of expl/eval assets 2020 4.8% 150 Dividends from JVs/associates (claimed before AGM) Dividends from JVs/associates (declared after AGM 2021 6.9% 227\*\*\* and not taken into account for the previous period) 2022 201 6.3% Proceeds from sale of shares in subsidiaries and affiliates (net of cash outflows from shares' purchase)\*\*\* 2023 6.5% 315 Purchase of investments in JVs/associates and other investments in cash Latest dividend amounted to KZT 314.65 bln (~2.6 USD/GDR) for FY'23, paid in June 2024 Free cash flow Total price appreciation of Kazatomprom's shares since IPO: 248%\*\* Total shareholder return taking into account historical dividend payments amounts to 328%\*\* since IPO Net Debt / Adj.EBITDA\*\*\* ≤ 1.0x < 1.5x ≥ 1.5x FCF payout ratio min 75% min 50% Shareholders discretion

+100% proceeds from disposal of assets under the Comprehensive Privatization Plan 2016-2020

\* Total dividends paid for the results of the reporting period

KAZATOMPROM

\*\* As of 15 November 2024

\*\*\* Excluding assets within the framework of the Comprehensive Privatization Plan for 2016-2020, approved by the Resolution of the Government of the Republic of Kazakhstan dated December 30, 2015 No. 1141, which are subject to distribution for payment of dividends in the amount of 100%

\*\*\*\* Dividends for FY'21 include a one-time effect resulting from sale of a 49% stake in Ortalyk LLP



# Looking Ahead



2024 guidance – consistent focus on value strategy

Key performance indicators		2024 updated guidance	2024 initial guidance	2023 actual
		USD:KZT 460	USD:KZT 460	USD:KZT 456.24
Production volume $U_3O_8$ (100% basis) <sup>1,2</sup>	ťU	22,500 - 23,500	21,000 – 22,500	21,112
Production volume $U_3O_8$ (attributable basis) <sup>3</sup>	ťU	11,600 – 12,600	10,900 - 11,900	11,169
Group sales volume (consolidated) <sup>4</sup>	ťU	15,500 – 16,500	15,500 – 16,500	18,069
KAP sales volume (incl. in Group) <sup>5</sup>	ťU	11,500 – 12,500	11,500 - 12,500	14,915
Revenue – consolidated <sup>6</sup>	KZT billions	1,700 – 1,800	1,700 – 1,800	1,434
Revenue from Group U <sub>3</sub> O <sub>8</sub> sales	KZT billions	1,300 – 1,400	1,300 - 1,400	1,181
C1 cash cost (attributable basis)	\$US/Ib	\$16.50 - \$18.00	\$16.50 - \$18.00	13.27
All-in sustaining cash cost (attributable C1 + capital)	\$US/Ib	\$27.75 <b>-</b> \$29.25	\$26.00 - \$27.50	21.37
Total capital expenditures of mining entities (100% basis) <sup>7</sup>	KZT billions	285 – 305	250 – 270	201

<sup>1</sup> Production volume U<sub>3</sub>O<sub>8</sub> (tU) (100% basis): Amounts represent the entirety of production of an entity in which the Company has an interest; it disregards that some portion of production may be attributable to the Group's JV partners or other third-party shareholders. Precise actual production volumes remain subject to converter adjustments and adjustments for in-process materia.

<sup>2</sup> The duration and full impact including, but not limited to sanctions pressure due to the Russian-Ukrainian conflict and limited access to some key materials are not known. As a result, annual production volumes may differ from internal expectations.

<sup>3</sup> Production volume U<sub>2</sub>O<sub>2</sub> (tU) (attributable basis): Amounts represent the portion of production of an entity in which the Company has an interest, corresponding only to the size of such interest; it excludes the portion attributable to the JV partners or other third-party shareholders, except for JV Inkai LLP, where the annual share of production is determined as per Implementation Agreement, concluded between participants of the entity. Actual drummed production volumes remain subject to converter adjustments for in-process material.

<sup>4</sup> Group sales volume: includes Kazatomprom's sales and those of its consolidated subsidiaries – companies that KAP controls by having (i) the power to direct their returns, (ii) exposure, or rights, to variable returns from its involvement with these entities, and (iii) the ability to use its power over these entities to affect the amount of the Group's returns. The existence and effect of substantive rights, including substantive potential voting rights, are considered when assessing whether KAP has power to control another entity). For consistency, Group U<sub>3</sub>O<sub>8</sub> sales volumes do not include other forms of uranium products (including, but not limited to the sales of fuel pellets and enriched uranium product (EUP)). Yet, some part of Group U 30, production of EUP, fuel pellets and fuel assemblies (FA) at Ulba-FA LLP. <sup>5</sup> KAP sales volume: includes only the total external sales of KAP HQ and THK. Intercompany transactions between KAP HQ and THK are not included.

<sup>6</sup> Revenue estimates are based on uranium prices taken at a single point in time from third-party sources The prices used do not reflect any internal estimate from Kazatomprom, and 2024 revenue could be materially impacted by how actual uranium prices and exchange rates vary from the third-party estimates.

<sup>7</sup> Total capital expenditures (100% basis): includes only capital expenditures of the mining entities, includes significant CAPEX for investment and expansion projects. Excludes liquidation funds and closure costs. For 2024 includes development costs for mining infrastructure of JV Budenovskoye LLP, JV KATCO LLP (South Tortkuduk) and MC Ortalyk LLP (Zhalpak) for a total amount of approximately KZT 97 bln.

\* For some JVs, the Company has a right to purchase additional volumes beyond its attributable share if the JV partner chooses to forgo its entitled share of production (beyond the production volume attributable to Company).

\*\* For JV Budenovskoye LLP, 100% of the 2024-2026 annual production is fully committed for supplying the needs of the Russian civil nuclear energy industry, under an offtake contract at market-related terms

\*\*\* Please note the conversion of kaU to pounds  $U_3O_8$  is 2.5998.



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#### **Investor Handout**

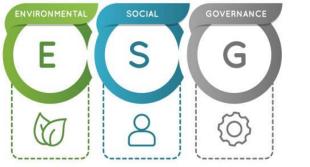
#### November 2024



# ENVIRONMENTAL, SOCIAL & GOVERNANCE

## Kazatomprom ESG Landscape





\* \* \* \* KA \* SFDR \* ES \* \* \* ar

KAP GDRs are held by ESG funds adhering to requirements of SFDR articles 6, 8 and 9

- KAP submitted a <u>CDP questionnaire</u> on climate change for the first time and received a "B" (management) score. Kazatomprom is better positioned than its wider mining sector and region peers (Average score for Asia region is "C", while the average Metal smelting, refining & forming score is "B-")
- S&P Global Ratings has assigned Kazatomprom an <u>ESG CSA score of</u> <u>41/100</u>, which is higher than the sector average score 21/100
- According to PwC, Kazatomprom remains one of the top three best Kazakh companies by the level of ESG disclosure
- Sustainable Development Program for 2023-2030 approved by the Board
- 2023-2024 Roadmap for ESG practices advancement at . Kazatomprom approved by the Board
- Integrated annual report's non-financial data disclosed in compliance with GRI, SASB, and TCFD standards & recommendations

### **Environment and Social**

- KAP extracts uranium using in-situ recovery (ISR) mining, the most environmentally friendly production method
- KAP approved Water resources management strategy for 2023-2030
- KAP approved Comprehensive Action Plan for Decarbonisation and Carbon Neutrality until 2040 within the implementation of Decarbonisation and Carbon Neutrality Strategy until 2060
- Ongoing implementation of the Board-approved Environmental and Social Action Plan (ESAP)
- KAP submitted the first progress report to the United Nations Global Compact and participated in the UNGC SDG Ambition Program

### Governance

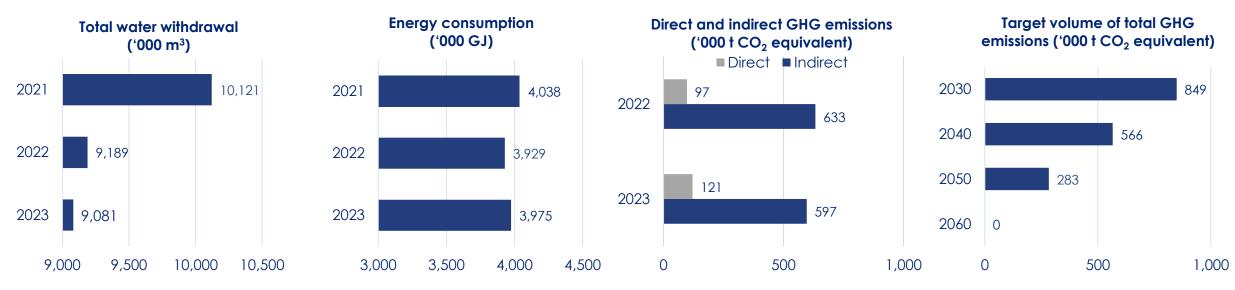
- Received Corporate Governance Rating "A"
- Consistent integration of sustainable development principles into the corporate governance system
- The Company's governance systems and principles comply with international standards recognised by the global economic community (<u>OECD Principles of</u> <u>Corporate Governance</u>)



## **Environmental protection**



• Environmental protection, including effective water and land resource management, and reduction of emissions



- ✓ 718,000 tonnes of CO<sub>2</sub> is Kazatomprom's total carbon footprint from the production of uranium oxide concentrate
- ✓ Company developed a Strategy for Decarbonization and Carbon Neutrality until 2060
- ✓ KZT 313 million invested to implement the Environmental and Social Action Plan (ESAP) in 2022
- ✓ All Group entities have implemented the energy management system in line with the ISO 50001



#### **Investor Handout**

## Strong Focus on Health and Safety

• Health, safety, including nuclear and radiation safety are priorities

### Kazatomprom companies certified ISO 14001, ISO 45001

- > Strict government regulations, frequent inspections by state authorities
- > Regular audits by Kazatomprom's HSE department
- > Ongoing knowledge exchange with JV partners and partner audits
- > Maintaining strong program governance per international standards

### **Commitment to continuous improvement**

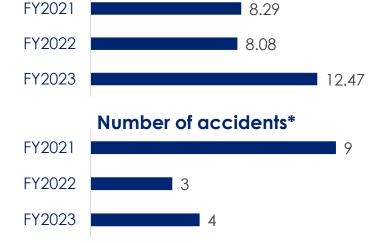
- > No environmental or radiation-related incidents year-to-date
- Vision Zero program: transformational approach to prevention, integrates safety, health and wellbeing at all levels of work
- > Emphasis on safety with increased "near-miss" reporting, implementation of "STOP" work cards

## Absence of any major environmental, industrial and radiation accidents in the Group's operations since inception

\*Defined as impact on the employee of a harmful and (or) dangerous production factor in performance of his work (job) duties or tasks of the employer, which resulted in an industrial accident, sudden deterioration of health, or poisoning of the employee that led to temporary or persistent disability, or death

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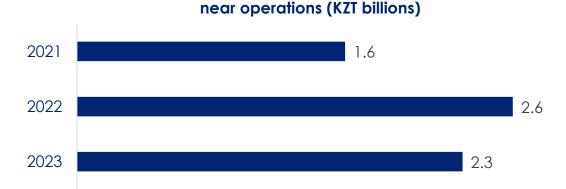
Health and Safety programs expenses (KZT billions)

November 2024

## Social Impact

KAZA

- KAP recognises the impact of its businesses on both local and global social development
- Social Stability Index (Samruk Research Services) 74% (2023)
- KAP ranks among the top employers of choice in the industry
- Leadership Development Program aimed at developing managers at the levels of CEO, CEO-1, and CEO-2 (70% of the recent appointees are the successors from the management pool)



- Significant contributions to well-being and socioeconomic development of the regions of operations by:
  - generating significant tax revenues for regional budgets;
  - making payments to regional budgets under subsoil use contracts;
  - providing jobs for the local population



## **Corporate Governance**



### Management Board

### Board of Directors



Meirzhan Yussupov

Chief Executive Officer

23 years of experience, including 11 years in the nuclear industry



Chief Operations

Officer



**Kuanysh Omarbekov Dastan Kosherbayev** 

> Chief Strategy and International **Development Officer**

13 years of experience, 13 years of experience, including 9 years in the all in the nuclear industry nuclear industry



**Marat Tulebayev** 

**Chief Financial** Officer

18 years of experience, including 10 years in the nuclear industry



Arman Argingazin Independent Director

#### Chair of the Board

Committees • HSF Nomination and Remuneration

**Meirzhan Yussupov** 



**Nodir Sidikov** Independent Director

Strategic Planning • Audit and Investments



**Armanbay Zhubaev** 

Independent

Director



Vacant position Independent Director

#### **Darkhan Sagindykov** Chief Procurement and General Affairs Officer 14 years of experience

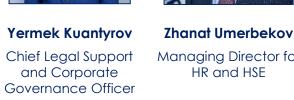


14 years of experience

Vladislav Baiguzhin **Chief Commercial** Officer

15 years of experience

AZATOMPROM





24 years of experience,

nuclear industry

chaired

Board Member, CEO

**Aidar Ryskulov** Board Member, SK representative

Yelzhas Otynshiyev Board Member, SK representative

Yernat Berdiqulov Board Member, SK representative

3 Board members including Chairman are **INED**s

✓ All Board committees chaired by INEDs





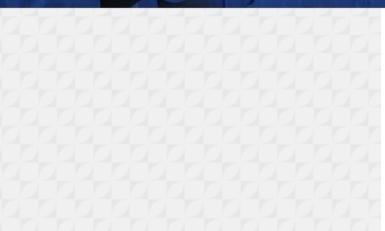
#### **Investor Handout**

#### November 2024

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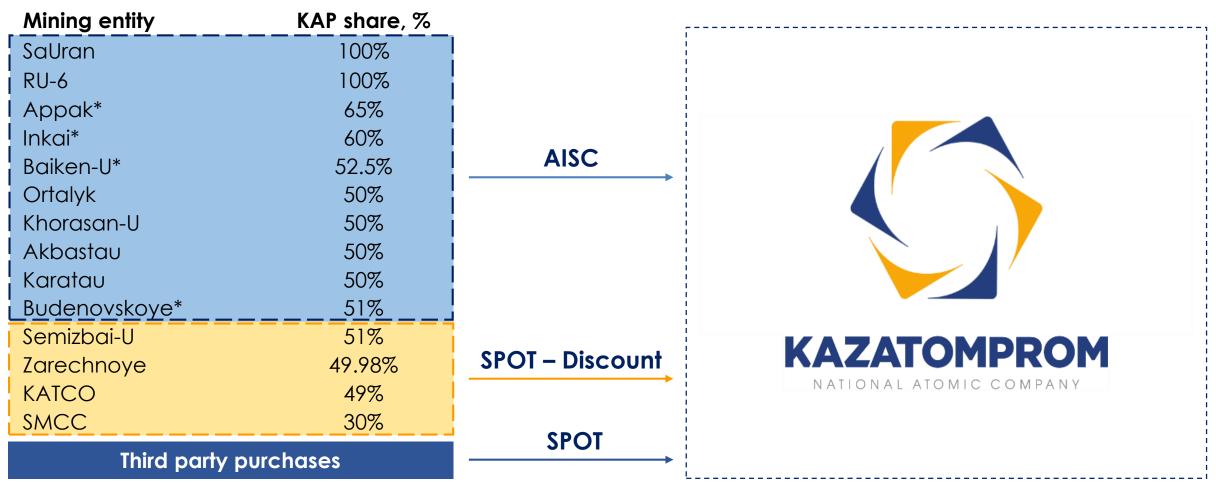






## **Sources of Uranium Sold**

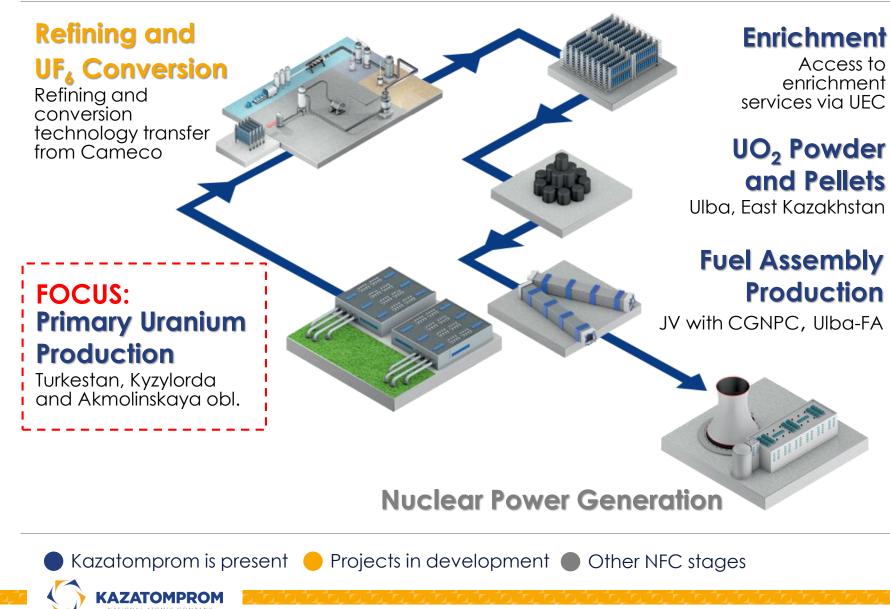




- U produced by the Company and its consolidated subsidiaries, sales accounted at full margin (cost of production)
- U produced and purchased from JVs and associates @ spot minus discount
- U purchased from third parties / market
- \* As disclosed in 2018 IPO Prospectus and other disclosures, attributable share in production and in purchases from mining entities might differ based on SUAs

KAZATOMPROM

## The Nuclear Fuel Cycle



Focusing on uranium mining as our core business

Optimise production & sales volumes based on market conditions

## **Ulba Metallurgical** Plant (UMP)

### UMP at a Glance

- One of the world's largest facilities for fuel pellet and rare metals production
- UMP's operational know-how and operational platform provide KAP with optionality in participating in other segments of the NFC (depending on economic feasibility)
- Established in 1949, became a subsidiary of KAP in 1997
- Location: Ust-Kamenogorsk, East Kazakhstan Region
- Facilities are under IAEA safeguards
- UMP obtained two rare metals exploration licences<sup>1,2</sup>
- Production facilities include:
  - U<sub>3</sub>O<sub>8</sub>, ceramic grade UO<sub>2</sub> and fuel pellet production shops
  - Fuel fabrication plant
  - Scrap processing facility
  - Rare metals production facilities

<sup>&</sup>lt;sup>1</sup> Kazatomprom will develop its own deposit of rare metals – 4 May 2023 <sup>2</sup> Kazatomprom will explore a new deposit of rare metals – 15 April 2024



### Key features of UMP products

U<sub>3</sub>O<sub>8</sub>

High purity of nuclear grade products

UO <sub>2</sub> powder	Technical properties may vary depending on customer specifications
Fuel pellets	Regulated microstructure and pellet type. Use of burnable absorbers
Fuel assemblies	UMP's subsidiary, Ulba-FA plant exports nuclear fuel since 2022
Beryllium	One of only three enterprises in the world with full production cycle from ore concentrate processing to finished products output
Tantalum	The sole facility in the region with tantalum production capabilities
Other	Optionality of participating in segments parts of the NFC cycle

## **Ulba-FA LLP**

## Kazakhstan-Chinese joint venture

### The founders are **Ulba Metallurgical Plant JSC**

(a subsidiary of NAC Kazatomprom JSC), holding a **51% interest**,

and

### CGNPC-URC

(a subsidiary of China General Nuclear Power Corporation), holding a **49% interest**  ULBA-FA •••• •••• VIIbba-TBC

Ulba-FA LLP has obtained Framatome certificates confirming that the plant is authorised and capable of manufacturing AFA 3G<sup>TM</sup> type AA and type A assemblies with a capacity of 200 tonnes of uranium per year<sup>1</sup>.

All requirements of CGNPC-URC, the guaranteed purchaser of the fuel assemblies, have been met, and the plant has obtained the status of being a certified supplier for the Chinese nuclear industry. A single FA consists of 264 fuel rods, which are long metal rods loaded with uranium fuel pellets, which are manufactured by the Ulba Metallurgical Plant.

Framatome AFA 3G™

The most used fuel assembly design in pressurized water reactors (PWRs) worldwide, including Belgium, China, France, Germany, South Africa, Spain, Sweden and US.

<sup>1</sup> <u>https://kazatomprom.kz/en/media/view/kazatomprom\_certification\_afa\_3g</u>









<u>KAP KX</u> – common shares (ISIN KZ1C00001619) <u>KAPY KX</u> – GDR (ISIN US63253R2013) KAP LI – GDR (ISIN US63253R2013)

Kazatomprom Investor Relations +7 (7172) 45 81 80 <u>ir@kazatomprom.kz</u> <u>Analyst Coverage</u>



THE WORLD'S LARGEST URANIUM **PRODUCER** WITH **PRIORITY ACCESS** TO KAZAKH URANIUM DEPOSITS, AND A ROBUST FINANCIAL PROFILE COMBINING GROWTH AND **PROFITABILITY WITH ONE OF** THE LOWEST AVERAGE **OPERATING COSTS** IN THE INDUSTRY