

CENTRAL  
ASI  
METALS  
PLC

PEEL HUNT  
ESG CONFERENCE

SUSTAINABILITY  
AND  
TSF4 CASE STUDY

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CEO





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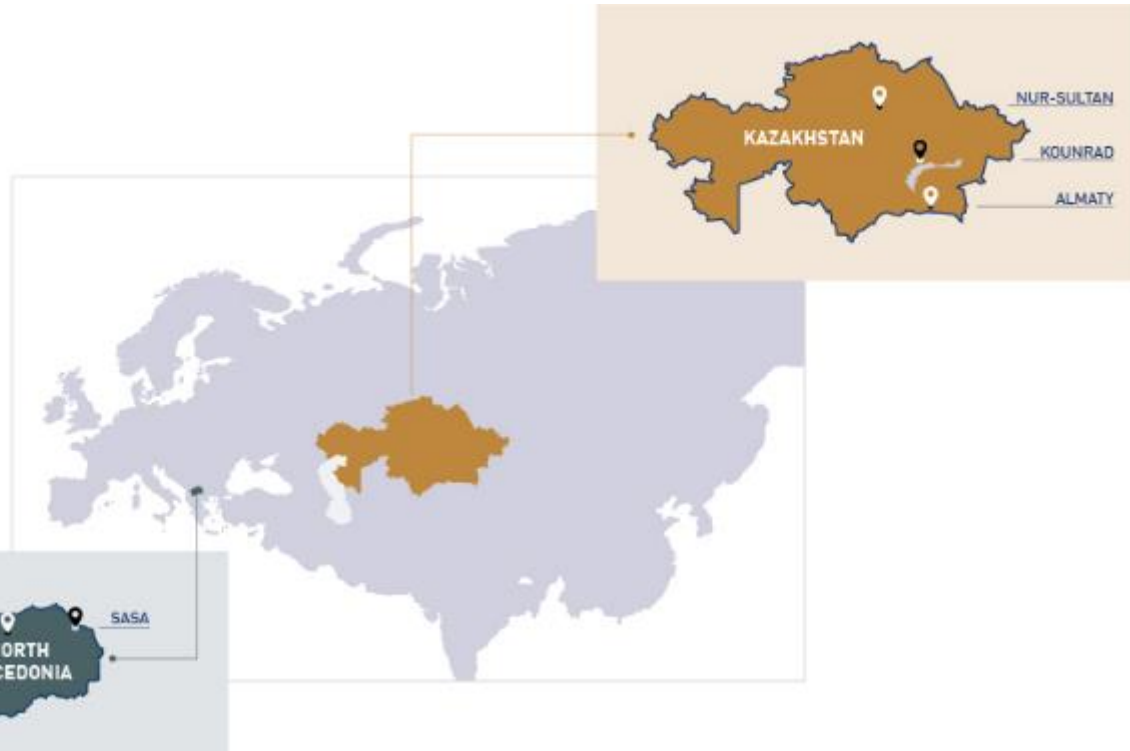
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January 2021

# CENTRAL ASIA METALS (CAML) OPERATIONS



## NORTH MACEDONIA

- Population, 2.1 million
- GDP per capita, \$6,143



## SASA (100%)

- Underground zinc and lead mine, northeast North Macedonia
- Production commenced in 1960's
- Produces 23,000-25,000t zinc and 29,000-32,000t lead in concentrate annually
- Life of mine to 2038 (reserves and resources)
- 2020 production, 23,815t zinc and 29,742t lead

## KAZAKHSTAN

- Population, 18.3 million
- GDP per capita, \$11,165



## KOUNRAD (100%)

- In-situ dump leach and SX-EW processing facility, central Kazakhstan
- In production for 8 years
- Produces 12,500-14,000t copper, one of the lowest cost producers globally
- Life of operation to 2034
- 2020 production, 13,855t copper

# SUSTAINABILITY OVERVIEW

## Delivering value through stewardship

- Strong corporate governance
- 2020 audit of suppliers to confirm ethical supply chain
- Well developed risk management procedures

## Maintaining health and safety

- Sasa
  - 2020, zero LTIs
  - 702 days since last LTI
- Kounrad
  - 2020, zero LTIs
  - 959 days since last LTI

## Focusing on our people

- Group People Manager appointed in 2020
- 100% Kazakh workforce at Kounrad
- 99% local employment at Sasa
- Low staff turnover (10-11%)

## Caring for the environment

- All copper produced from waste material at Kounrad
- 43% reduction in 2019 fresh water usage at Sasa
- Scope 1 and 2 emissions published
  - Q1 2021, climate change strategy work underway
- Gap analysis work on GISTM

## First sustainability report published Q2 2020

Next report to be to GRI standards



## Our communities (COVID-19)

- Sasa support
  - Purchase of medical equipment and PPE, food and provisions for vulnerable people, contribution to national COVID-19 fund, purchase of tablets to aid home schooling
- Kounrad support
  - Purchase of PCR machine and back-up generator for local hospital, food packages for vulnerable over 65s

# TAILINGS STORAGE FACILITY 4 ('TSF4') INCIDENT

## TSF4 leakage 14 September 2020

- Slump of dam wall on western valley side
- Short term leakage of tailings into the local river
  - 8,000m<sup>3</sup>, of which 3,000m<sup>3</sup> was the coarse fraction of the dam wall and the remainder water and the fines fraction
- Leakage stopped soon after (c.1.5hrs)
- No one harmed in incident
- Production stopped
- Leakage occurred due to water ingress along the composite liner interface through to the dam
  - Resulted in loss of strength and the subsequent subsidence of the dam crest
- Retained Knight Piésold to advise on TSF4 incident
- Biggest challenge in CAML company history





# TSF4 REPAIRED, FULL PRODUCTION OCTOBER 2020

## Accepting responsibility

- **Repair of TSF4**
  - Physical and monitoring improvements made to TSF4
  - Appointed global industry consultants, Knight Piesold
- **National relations**
  - Many visits to site and meetings nationally with professors, ministries, Prime Minister to ensure their comfort with our approaches and to receive necessary permits
- **Local community relations**
  - Strong relationship and daily conversations with local mayor and other community members
- **PR in North Macedonia**
  - Use of effective local PR agency to advise
  - Open and transparent approach
- **RNS announcements / investors**
  - Regular update announcements (under-promise)
  - Dialogue with major shareholders (be available)
  - Reinstated dividend when possible / appropriate



River remediation on separate slide

# RIVER REMEDIATION WORK PROGRESSING

## Good progress made with river clean-up

- Wardell Armstrong has advised on river remediation programme
- Environmental fine of €65k paid
- Community relations remain strong
- Kamenica River remediation commenced October 2020. Clean-up process separated into two phases:
  - Phase 1
    - Physical removal of all reasonably extractable tailings from the full 13km length of the river to Lake Kalimanci
    - Completed during Q4 2020
  - Phase 2
    - Installation of in-stream sediment traps to collect the tailings not recovered during Phase 1 and removal of that remaining material over time.
    - Sediment traps installed during Q4 2020, removal of material to continue into 2021
    - Biodiversity work underway

Riverside Development Project to be undertaken during 2021

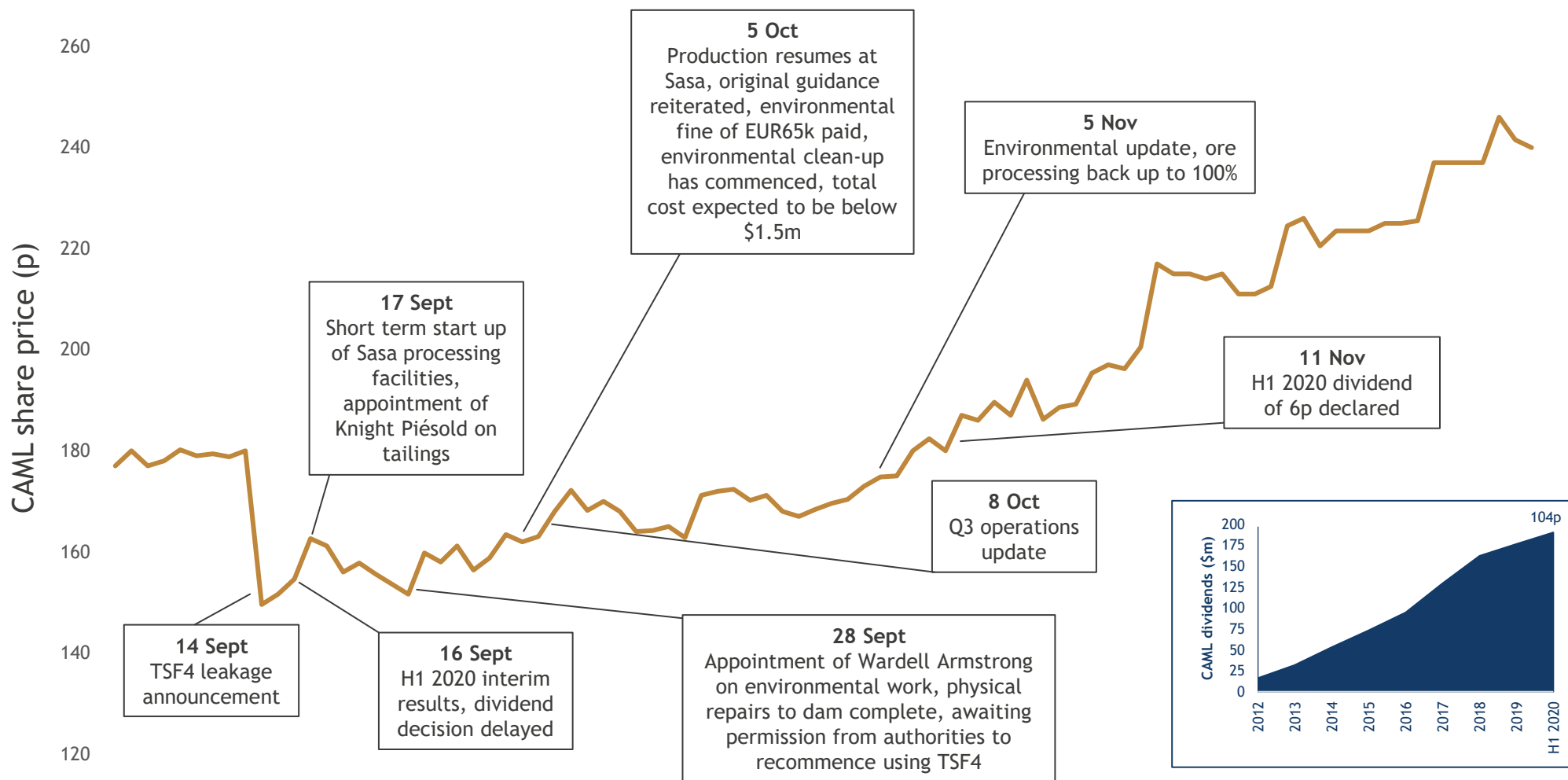
## Phase 1 now complete



## Sediment traps for Phase 2



# CAML SHARE PRICE PERFORMANCE





## CONTACT DETAILS

### DIRECTOR OF CORPORATE RELATIONS

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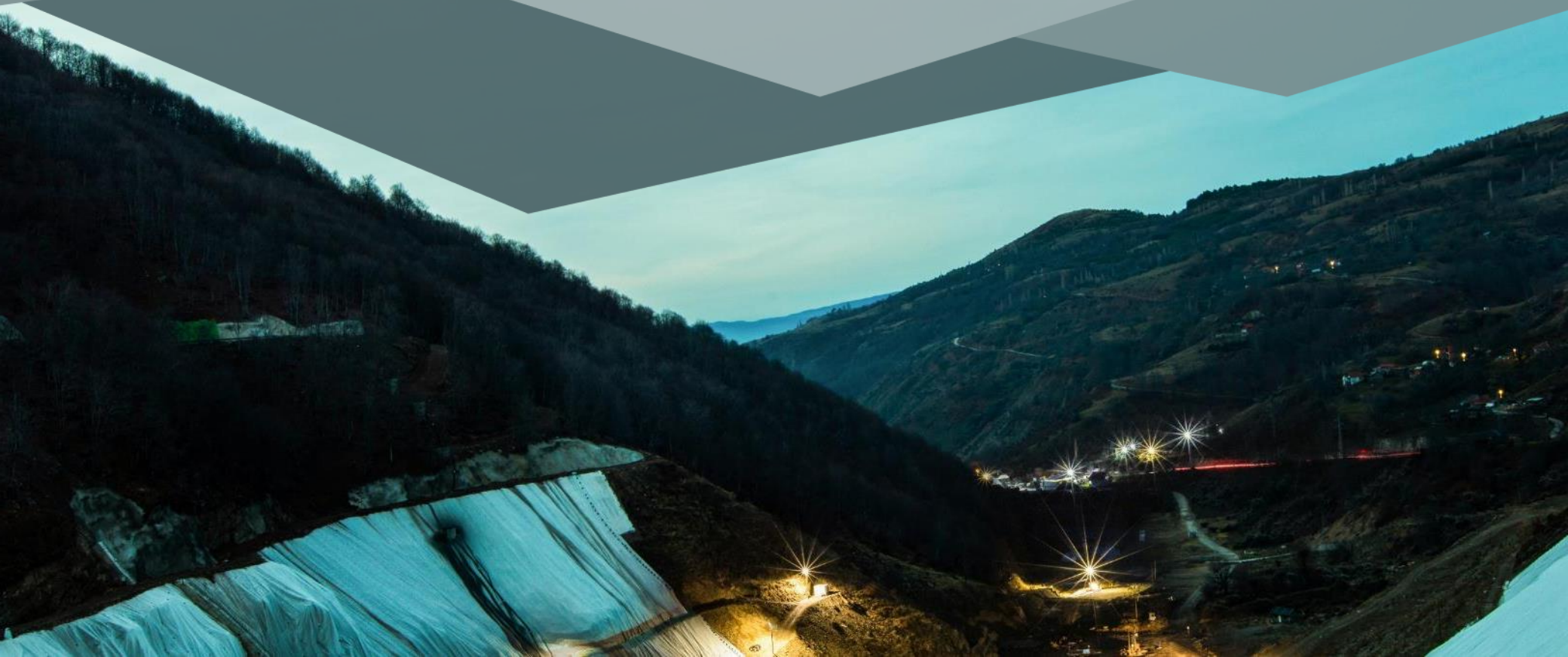
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<https://www.centralasiametals.com/>

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# Appendix



# COVID-19 UPDATE

## Kazakhstan

- Nationally, over 170,000 cases
- 780+ cases reported in Balkhash, town closest to Kounrad operation
- Employees currently with COVID-19, one
- No disruption to production or sale of copper

МИНИСТЕРСТВО ЗДРАВООХРАНЕНИЯ РЕСПУБЛИКИ КАЗАХСТАН

КОМИТЕТ КОНТРОЛЯ КАЧЕСТВА И БЕЗОПАСНОСТИ ТОВАРОВ И УСЛУГ МИНИСТЕРСТВА ЗДРАВООХРАНЕНИЯ РЕСПУБЛИКИ КАЗАХСТАН

НАЦИОНАЛЬНЫЙ ЦЕНТР ОБЩЕСТВЕННОГО ЗДРАВООХРАНЕНИЯ

**НОВЫЙ КОРОНАВИРУС 2019-nCoV**

**МНОГИЕ ЛЮДИ ЗАДАЮТСЯ ВОПРОСОМ: Новый коронавирус – что это?**

Коронавирусы - это большое семейство вирусов, которые распространены как среди животных, так и среди людей. Новый коронавирус 2019 года (2019-nCoV) - это вирус, который является причиной вспышки респираторного заболевания, впервые обнаруженной в Ухани, Китай. По сообщениям, на ранних стадиях многие из пациентов, участвовавших в вспышке заболевания в Ухане, Китай, имели какую-то связь с крупным рынком морепродуктов и животных, что предполагает распространение от человека к человеку. Министерство здравоохранения и Всемирная организация здравоохранения работают над предупреждением возникновения и распространения вируса в Республике Казахстан.

**КАКИЕ СИМПТОМЫ И ПРИЗНАКИ ЗАБОЛЕВАНИЯ?**

- Кашель
- Повышение температуры
- Пневмония
- Одышка
- Рвота
- Диарея

В случае прогресса, у больного могут развиться очень серьезные осложнения, которые могут привести к смерти. Это:

- Легочная недостаточность
- Почечная недостаточность

**КАК 2019-nCoV ПЕРЕДАЕТСЯ ОТ ЧЕЛОВЕКА К ЧЕЛОВЕКУ?**

Предполагается, что 2019-nCoV передается также как предыдущие коронавирусы и грипп:

1. Через прямой контакт с больным человеком
2. Во время чихания и кашля
3. Через контакт с ладонями, предметами и посудой больного человека

**СУЩЕСТВУЕТ ЛИ ЛЕЧЕНИЕ ДЛЯ 2019-nCoV?**

На сегодняшний день специфического лечения нет. В странах где зарегистрированы подтвержденные случаи заболевания, проводится симптоматическое лечение.

**СУЩЕСТВУЕТ ЛИ ВАКЦИНА ОТ 2019-nCoV?**

**ВАКЦИНЫ НЕТ**

На сегодняшний день вакцина не разработана.

[www.hls.kz](http://www.hls.kz)

## North Macedonia

- Nationally, over 89,000 cases
- 2,700+ cases in wider Delcevo / Makedonska Kamenica area close to Sasa mine
- Employees currently with COVID-19, two
- No disruption to production or sale of zinc and lead concentrates