



# Bluejay

mining plc

## Discovering and Delivering Commodities for our Future, in Greenland and Finland

Arctic Mining: Environmental issues, mitigation and pollution control for marine and coastal mining

March 23<sup>rd</sup> 2023

Bluejay Mining CEO Bo M. Stensgaard



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# Premium resource portfolio in Greenland & Finland



## Disko-Nuussuaq (Ni-Cu-Co-PGM-Au)



- Potential to host a **new world-class nickel deposit** – analogues to **Noril'sk Nickel District**.
- District-scale multiple targets over 2,776km<sup>2</sup> licence area.
- Massive nickel-sulphide mineralised boulder ran 6.9% Ni, 3.7% Cu, 0.6% Co, 2g/t PGM\*.
- **Drill ready targets.** >30-years of historical datasets.
- **US \$ 15m JV with KoBold Metals** for exploration & drilling related activities (to earn-in up to 51%).
- Ongoing programme.

## Dundas (ilmenite sands - titanium)

**CONFIDENTIAL PARTNER**

- **Large-scale mineral sand mining project.**
- **Fully permitted 30-yr** Exploitation Licence granted.
- Certified EIA & SIA to highest ESG standards.
- **Offtake Agreement signed for up to 340,000 tpa** (80% of planned annual production).
- Lead arranger appointed for project financing.
- Revised Mineral Resource Estimate expected mid-2023.
- **Feasibility Study underway.**

## Kangerluarsuk (Zn-Pb-Ag-Cu)

- Targeting sediment-hosted Zn-Pb-Ag ± Cu deposits.
- 692km<sup>2</sup> licence **adjacent to the former high-grade Black Angel Zn-Pb-Ag mine** (produced 11.2 MT @ 12.6% Zn, 4.1% Pb and 29 g/t Ag)\*.
- **Funded 2023 drill season (US \$ 2m) to commence on identified targets.**

## Thunderstone (Au and base metals)

- Regional licence (920 km<sup>2</sup>) – **true greenfield region; 1st phase completed.**



## Enonkoski (Ni-Cu-Co-PGM)



- Licences cover entire prospective belt that hosts two former Ni-Cu mines.
- Historic drill intercepts include: 32.90m @ 4.09% Ni, 0.56% Cu, 0.17% Co and 19.70m @ 6.12% Ni, 1.94% Cu, 0.29% Co\*.
- **US \$ 20m JV with Rio Tinto** for exploration and drilling related activities (to earn-in up to 75%).
- Ongoing programme.

## Hammashlathi (Cu-Zn-Au-Ag)

- High-grade VMS mineralisation. Licences cover **entire prospective belt.**
- **Former open-pit & underground mine** produced +10 Mt @ 1.16% Cu, 1.55% Zn, 0.59 g/t Au and 5.2 g/t Ag between 1973-86\*.
- Extensions to the mined orebody demonstrated by recent drilling, and several near-mine geophysical targets. **Drill ready.**

## Outokumpu (Cu-Co-Zn-Ni-Ag-Au)

- Licences cover the majority of the Outokumpu copper belt, **a prolific mining district.** High-value commodity basket.
- Several former high-grade mines – entire Outokumpu Belt produced 44Mt @ 3.1% Cu. The Outokumpu (Keretti) and Vuonos Mines produced combined 34.4 Mt @ 3.6% Cu\*.
- **New near-mine and along strike targets; drill ready.**

## Black Shales Project (Ni-Zn-Cu-Co)



- **Partial divestment** of Paltamo and Rautavaara licenses in Finland to Metals One plc - cash and shares of **US \$ 5m.**
- Bluejay will appoint a technical director to the board.



Listed on London AIM ('JAY')  
US OTC ('BLLYF') and Frankfurt  
(‘S5WA’) Exchanges.  
Current Market Capitalisation of  
c. £40.2M GBP

£/€

Strong institutional backing  
& Greenlandic & Danish Government backed  
institutional investors



Skilled Board, Management & Consultancy  
teams. Strong experienced in-country  
resources, develop and operational  
expertise  
linked with business and commodity market  
expertise.



**March 2018:** Prospector and  
Developer of the Year 2017 by  
Government of Greenland

High ESG Standards  
Trusted local partner

\*Not JORC Compliant





NORTH-WEST GREENLAND

**The Dundas Ilmenite (Titanium)  
Project**

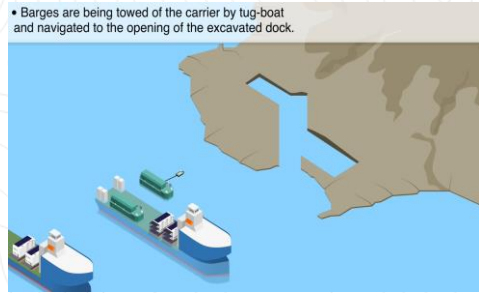
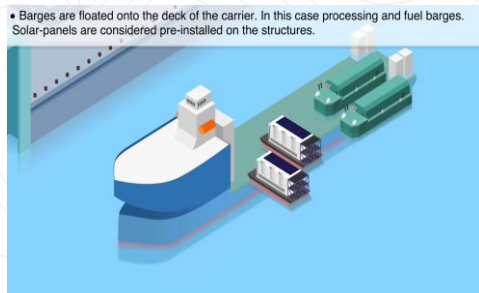
Large-scale, fully permitted project

# Dundas Story Board

## Mine Construction, Production, Re-location & Reclamation

- New concept: Dry-docked barge-based processing plant and infrastructure with fabrication and commissioned off-site Dundas.
- Additional new concepts in the project: Conveyor systems, new more simple mining method and alternative method for ore preparation stage. Renewable energy being considered.

➤ **Lower risk, realisable and resilient project.**



## Dundas

### Mine Construction, Production, Re-location & Reclamation



**DUNDAS**  
T I T A N I U M

#### **DUNDAS TIANTIUM A/S**

– Dry-dock barge concept presentation –  
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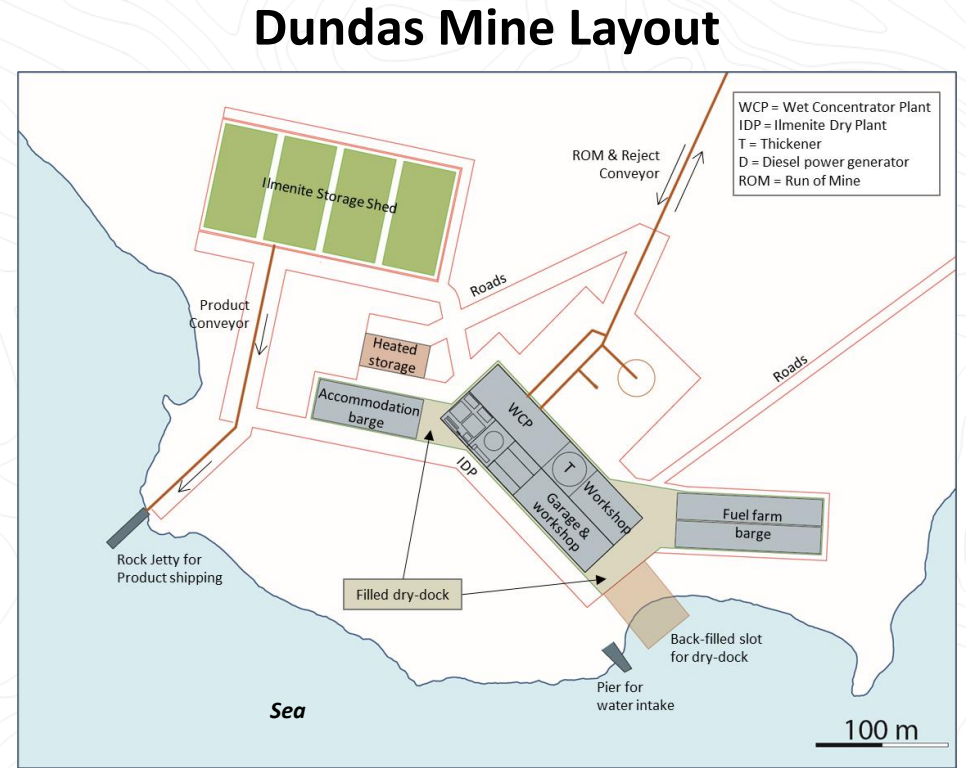
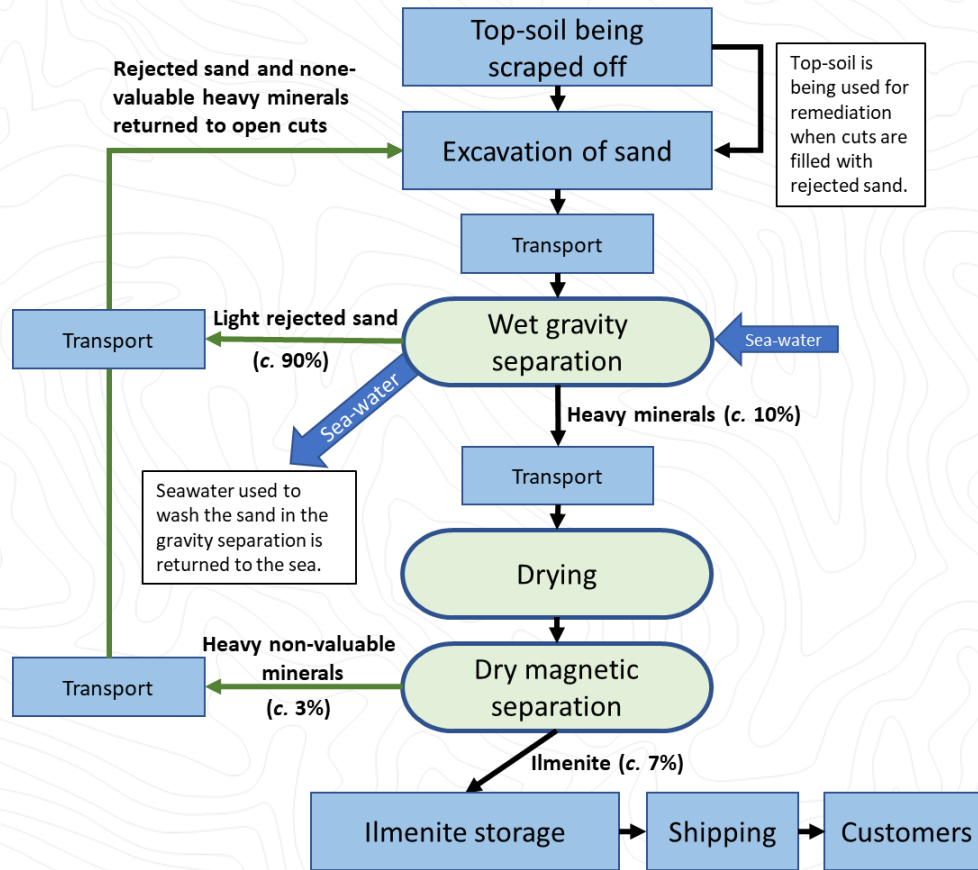
December 2022 – concepts under development [*vers. Dec. 2022*]



*Dundas Titanium A/S is part of Bluejay Mining PLC corporate group.*



# Basic Mining & Processing



- Simple and proven:**
- Excavation by dozer
  - Easy transport by conveyor
  - Simple screening
  - Wet gravity plant
  - Dry magnetic plant
  - Bulk-carrier to market

- Low environmental impact:**
- Electrification
  - No tailings or waste; natural products – rejected sand
  - Return as back-fill in excavated open pits (90%)
  - Easy mine reclamation

- Planned scenario:**
- Onshore mining
  - All year production
  - 440,000 tonnes of ilmenite concentrate per year when in full production
  - 120 employees on-site



**Bo Møller Stensgaard**  
**Managing Director, CEO**