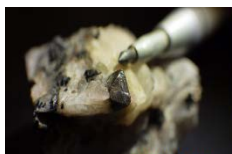


### WHO WE ARE

- TSX-V listed company that focus on **Niobium**.
- The Company has extensive **experience** in the niobium production and markets.
- Major Shareholders;
  - Osisko Gold Royalties: 20%
  - CDPQ/Sodemex: 4%
- Committed to responsible development.



### STOCK INFORMATION (\$CAD)

|                    |               |
|--------------------|---------------|
| Symbol             | NBY           |
| Exchange           | TSX-V         |
| Market Cap         | \$30 M        |
| Shares Outstanding | 52 M (59M FD) |
| 52-week high       | \$0.61        |
| 52-week low        | \$0.15        |
| Cash (Mar 2020)    | \$2.0 M       |

### WHAT IS NIOBIUM?

- Metal classified as **critical and strategic** to the USA and EU.
- Makes steel stronger, lighter, corrosion resistant and **reduces GHG**.



Wind Mills



Structures & Bridges



Automotive



Stainless Steel



Toshiba new technology



Li Battery

- Only **3 producers** of ferro-niobium in the world.
  - Niobec (Canada) & CBMM & China Moly (Brazil).
  - CBMM coming a dominant supplier (**80% market share**)
- 90% niobium consumes in high strength steels.
- Demand is constantly growing (**+15% CAGR last 3 years**).
- Contribute to **GHG reduction**.
- Highly **profitable** mining operations.
- **MAKES STEEL GREENER & SAFER!**
- Highly used in **Superalloys** (jet & gas turbines).



### JAMES BAY NIOBIUM PROJECT

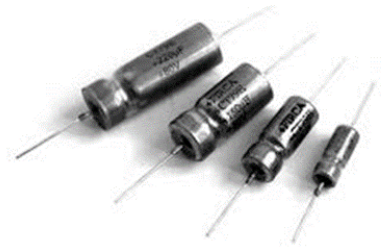
Company **Flagship** project.

- James Bay Lowlands in **Ontario**.
  - 40 km from:
    - Town of Moosonee/Moose Factory.
    - Rail, winter roads, electric power.
- Full **feasibility** study completed by Bechtel in 1969.
  - Very High Recovery rate: **78%**.
- Protection Agreement - **Moose Cree First Nation**.
- 2020 Mineral Resources Estimates (NI43-101)
  - 30 Mt @ 0.53% Nb<sub>2</sub>O<sub>5</sub> Indicated
  - 34 Mt @ 0.52% Nb<sub>2</sub>O<sub>5</sub> Inferred      **NSR: \$170/t**
  - 64 Mt @ 0.52% Nb<sub>2</sub>O<sub>5</sub>
  - (Niobec mine /Quebec: abt 75Mt @ 0.55% Nb<sub>2</sub>O<sub>5</sub> w/65% recovery)
- **PEA** underway (Q4 2020).
  - Open pit & Underground Scenarios.



### CREVIER NIOBIUM / TANTALUM PROJECT // QUEBEC

- **Niobium & Tantalum** resource.
  - Niobay owner at 72.5% (Niobec Inc 27.5%)
  - 25.4 Mt at 0.20% Nb<sub>2</sub>O<sub>5</sub> & 234 ppm Ta<sub>2</sub>O<sub>5</sub>.
  - 2010 PEA - Metchem
- Strong **local & First Nation** support.
- High purity **Niobium oxide** and **Tantalum**.
- 2019 - Internal PEA Update.
- 2020 - Lab **metallurgical tests** underway.
- Demand **growth** in both Nb oxide & Tantalum.



1. The estimates are not 43-101 compliance and needs to be validated by technical/economical studies.

#### FORWARD-LOOKING STATEMENTS

Some of the statements in this fact sheet reflect estimates by Niobay Metals with regard to its future performance and are simply forecasts of its future activities, performance and future results. All statements other than statements of fact are forward looking as they are subject to known and unknown, uncertainties and other factors that could have an impact on the activities and results anticipated in this fact sheet. These risk factors are discussed in greater detail in Niobay Metals's most recent Annual Information Form filed on SEDAR.