

# TiO<sub>2</sub> – A Critical Mineral For The Aerospace, Defense, Energy & Consumer Products Industries

## Temas Team

Kyler Hardy

EXECUTIVE CHAIRMAN & DIRECTOR

Tim Fernback, *MBA, CPA, CMA*

CEO & DIRECTOR

David Robinson, *CPA, CA*

CFO & DIRECTOR

Rory Kutluoglu, *B.Sc, P.Geo*

TECHNICAL DIRECTOR

## Corporate Structure

**16,137,398**

Shares Outstanding

**7,148,028**

Warrants

**1,386,500**

Options

**24,671,926**

Fully Diluted

**~12.4%**

Insider Ownership

*\*As of February 2024*

CSE: **TMAS** OTCQB: **TMASF** FRA: **26P**

## Opportunity Overview



### Project Focus

"Concentrating on two advanced critical metal projects in Quebec, with PEA on La Blache completed and plans to drill Lac Brule 2024



### Metallurgical Advancements

Completed pilot plant testing on La Blache mineralization in 2022, yielding a high-quality 97.8% Titanium Dioxide (TiO<sub>2</sub>) product.



### Intellectual Property & Patents

Maintains a significant IP portfolio focused on eco-friendly extraction and processing technologies for metals such as Nickel, Iron, Gold, Titanium Dioxide, Zinc, and upcoming Rare Earth Elements.



### Cost Reduction & Validation

The University of Minnesota's study validated that ORF Technologies' TiO<sub>2</sub> processing could cut costs by over 65% compared to industry averages.



### Environmental Commitment

Implements closed-loop processing technology, minimizing waste by recycling and reusing chemicals.



### Corporate & Ownership

ORF Technologies holds 50% of a diverse extraction and metallurgical process portfolio, supported by a tight share structure with significant insider ownership.

## Projects

### La Blache *100% Owned*

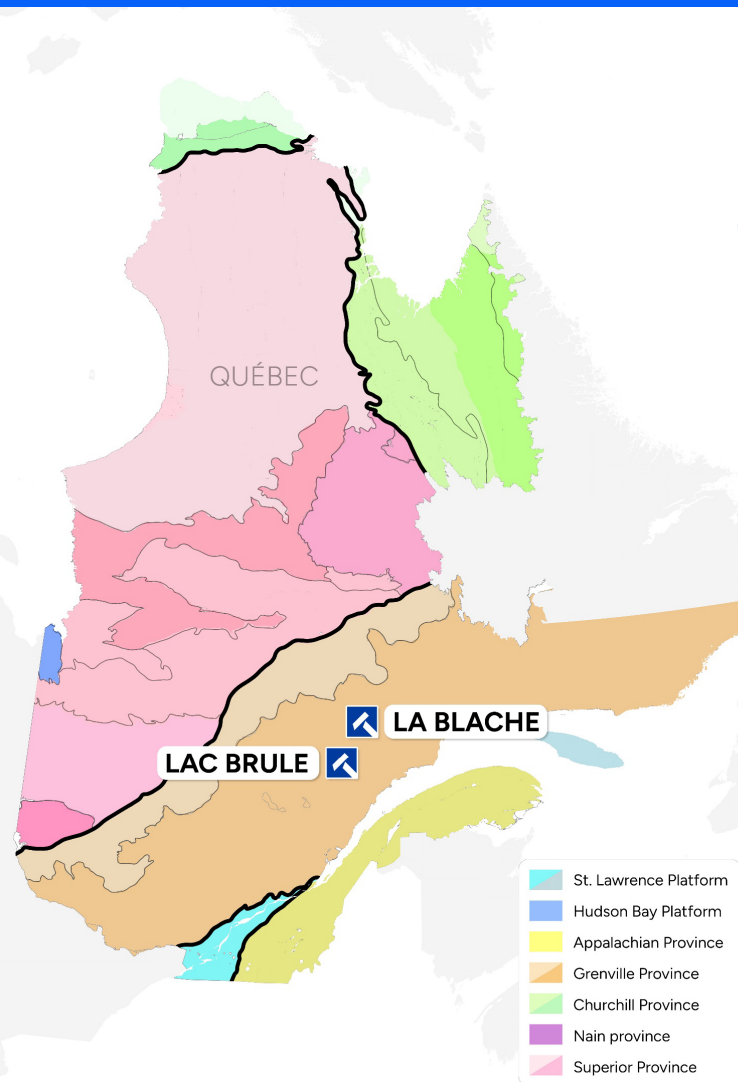
Iron Titanium Vanadium

- PEA completed and to be published shortly
- 2022 field program provided basis of update resource estimate
- Property is part of La Blache Anorthosite Complex, focusing on Farrell-Taylor magnetite-ilmenite lens.
- Exploration identified 2 additional lenses with initial drill holes.
- Pilot Plant results: 80% TiO<sub>2</sub>, 94% Fe<sub>2</sub>O<sub>3</sub>, 99% V<sub>2</sub>O<sub>5</sub> recoveries; produced 97.8% high-grade TiO<sub>2</sub> concentrate.
- Excellent infrastructure (Power, Rail, Road).
- Located 127km north of Baie-Comeau, Quebec.

### Lac Brule *100% Owned*

Titanium Iron Vanadium

- Exploration program is designed, and permits are pending – mid 2024 start date
- PEA planned for late 2024
- 64km by road from Labrieville
- Historic drilling conducted across 2 mineralized lenses
- Mineralization is amenable for the application of our TiO<sub>2</sub> processing technology
- Historic metallurgical benchwork attained 94% TiO<sub>2</sub>, 95% V<sub>2</sub>O<sub>5</sub> and 99% Fe<sub>2</sub>O<sub>3</sub> concentrate grades



## PEA Summary for La Blache

Parameter	Units	Value
Post-tax Net Present Value (NPV <sub>8</sub> )	CAD \$ Billion	6.8
Post-tax IRR	%	55.1
Initial capital cost (Capex) (including 15% contingency)	CAD \$ Billion	1.2
Capex payback from commercial production	Months	25
Pre-production Development	Years	2
Life of Mine ("LOM")	Years	14
Gross Project Revenue	CAD \$ Billion	37.2
EBITDA (Operating Profit)	CAD \$ Billion	23.1
Net Project Cash Flow (pre-tax)	CAD \$ Billion	21.8
Average Annual Gross Revenue	CAD \$ Billion	2.7
LOM average annual EBITDA	CAD \$ Billion	1.6
Net operating margin	%	62.0