Corporate Presentation
July 2015
Forward Looking Statements

Certain information contained in this document may include "forward-looking information". Without limiting the foregoing, the information and any forward-looking information may include statements regarding projects, costs, objectives and future returns of the Company or hypotheses underlying these items. In this document, words such as "may", "would", "could", "will", "likely", "believe", "expect", "anticipate", "intend", "plan", "estimate" and similar words and the negative form thereof are used to identify forward-looking statements. Forward-looking statements should not be read as guarantees of future performance or results, and will not necessarily be accurate indications of whether, or the times at or by which, such future performance will be achieved. Forward-looking statements and information are based on information available at the time and/or the Company management's good-faith beliefs with respect to future events and are subject to known or unknown risks, uncertainties, assumptions and other unpredictable factors, many of which are beyond the Company's control. These risks uncertainties and assumptions include, but are not limited to, those described in the section of the Management's Discussion and Analysis (MD&A) entitled "Risk and Uncertainties" as filed on March 31, 2015 on SEDAR.

The Company does not intend, nor does it undertake, any obligation to update or revise any forward-looking information or statements contained in this document to reflect subsequent information, events or circumstances or otherwise, except as required by applicable laws.
Extracting all value from a variety of mineral and industrial waste feedstocks
Today’s resource processing is …

...inefficient and creates waste
Lots of waste, such as red mud

3 billion tonnes stored globally

+ 120 million tpa

- Waste product from alumina production
- Financial liability for producers
- Ecologically damaging

Contains high-value elements:
Rare Earths / Ga / Sc / Al₂O₃ / others
And Mine Tailings such as Asbestos Residues…

2 billion tonnes stockpiled in the province of Québec

These residues:
• Contain ≥ 40% magnesium oxide
• Remainder is mainly $\text{SiO}_2$ ($\approx 40\%$) and $\text{Al}_2\text{O}_3$ ($\approx 5\%$)
• Leach well in hydrochloric acid
Fly ash:

- Waste product from coal-fired power stations
- Contains high-value elements
- On-going liability for producers and communities

71 million tonnes produced annually in U.S.

550 million tonnes worldwide
We need the value in that waste!

RARE EARTHS
Growing demand, uncertain supply, no substitutes

ALUMINA
Rapid decline in bauxite quality = increasing OPEX
We can fix all of that
Technology

01 Feedstock preparation

02 Leaching (digestion)

03 Selective, steps-wise extraction of alumina, and other valuable products

04 In the case of alumina and certain other customized specialty products: calcination

05 In parallel, acid is recovered from the mother liquor and during calcination
$117 million extraction and purification facility (commissioning Q3, 2015)

HPA production capacity of 3 tpd
Calcinator capacity of 5 tpd
Fully qualified operational team
Capabilities

State-of-the-art Technology Development Centre

- Process development and optimization
- Product Customization
- People

- Extensively tested and validated front-end of HPA process
- Extensive pre-purchase testing of technology back-end (calcination)
IP: 15 Families, 18 Granted, 107 Pending
Recently awarded Red Mud patents in United States and Canada

1) Processes for extracting aluminum from aluminous ores.
   • Patent protection granted in USA, Canada, Australia, Russia, Japan, China and Hong Kong
   • Additional patents pending in EU, India, Hong Kong, Australia, USA, Brazil, China, Russia.

2) Processes for extracting aluminum from aluminous ores.

3) Processes for extracting rare earth elements from aluminum-bearing materials.

4) Processes for extracting rare earth elements from various ores.

5) Methods for preparing hematite.

6) Methods for separating iron ions from aluminous ions.

7) Processes for preparing alumina and various other products.

8) Processes for treating Red Mud.

9) Processes for treating Fly Ash.

10) Processes for preparing titanium oxide and various other products.

11) Processes for recovering rare earth elements and rare metals.

12) Processes for treating various materials.

13) Methods for purifying aluminum ions.

14) Processes for preparing alumina and various other products.

15) Processes for decomposition and calcination of alumina.
Three Business Lines

**Specialty Products**
Addressing supply issues in high-end markets
High-Purity Alumina (HPA), Gallium, Scandium
Build, own, operate

**Waste Monetization**
Converting financial and environmental liabilities into assets
Silica, Titanium, Scandium, Gallium, REE, RM
Scale up with JV Partner
Expansion through licenses/royalties

**Commodity Minerals**
Strategically located low-cost producer of commodities
Smelter-Grade Alumina, Silica, Hematite
Commercialization with JV partner. We own the deposit: 1 bn tonnes indicated resources
Specialty Products
First Commercial Product: High Purity Alumina (HPA)

High-end product for niche markets
- LED lighting
- Smart phone screens (sapphire)
- Separators in Li-ion battery packs
- Specialized ceramics for industrial, military or medical applications

HPA sells for $20,000 – $30,000 USD per tonne
The premium market is mainly for 4N* to 5N* purities

HPA prices: $20,000 – $30,000 USD per tonne, depending on characteristics and application

Confident of producing up to 5N consistently

Market expected to strengthen beyond current outlook

*4N stands for 99.99% purity, 5N for 99.999%
Over thirty potential customers interested in our HPA
Commenced shipping samples for customers’ qualification programmes in Q1 2015 (4N8 purity)
Waste Monetization: extracting all value

Products represent significant value, only small fraction of original feedstock remains (<10%)

Multiple feedstock opportunities
Initial focus on red mud and fly ash
Discussions with Veolia for global commercialization

Subsequent focus on mine tailings

Turning liabilities into assets
Why waste monetization?

Huge quantities of feedstock available
Representing valuable asset for Orbite (REEs, RMOs, Alumina, etc.)
No mines to develop
Already in industrial zone

Transportation and energy infrastructure in place
Resource with negative value to current owners
Customer is right next door
Regulated utility producing approximately 50,000 megawatts to serve approximately 7.2 million customers in SE and Midwest USA

In North Carolina: 14 sites, 33 ash impoundments, >100 M tonnes stored

Feb 2014: storm sewer line running beneath the Dan River impoundment collapsed, releasing 23,000 – 30,000 m³ of ash and 100 M liters of ash pond water into the river
In Sept 2014, NC enacted a coal ash law:

- Applies to existing and closed sites
- Close high-risk ponds by end of 2019 (4 Duke sites)
- Medium-risk ponds by 2024, low-risk ponds by 2029
- Sites assessment plan to be in place by end of 2014
- **Excavation and lining of existing ponds or excavation and disposal at permitted facilities**

**Duke Energy estimates compliance costs at $2-10 billion**
Technology Demonstration at Industrial Scale for Waste Monetization & Commodities Initiatives

Front end of plant to be converted to start consuming multiple feedstocks
Facility to provide critical input in formalization of plant design for processing red mud, fly ash, mine tailings, clay

Will continue to produce HPA
Expand HPA facility to 5 tpd
Scandium and Gallium extraction to be added
Third priority: Commodity Minerals

To become a low-cost, strategically located producer of commodities such as SGA, magnesium, silica and hematite

First smelter grade alumina (SGA) plant to be built in Canada

World’s third largest aluminum producing region, fully dependent on the import of alumina

Feedstock will be aluminous clay from the Company’s Grande-Vallée deposit

Negotiations soon to be initiated with potential joint venture partners, Glencore interested

Binding 10-year off-take agreement signed with Glencore for 100% of planned plant’s SGA production
Deployment Timeline

Specialty Products

Waste Monetization

Commodity Minerals

FROM Q4 2015

HPA 3 tpd production

2015 - 2016

Upgrade and conversion
HPA facility 5tpd
Waste monetization commercial demonstration
Scandium & Gallium production

BEYOND 2017

Design & construction of first 100-200 ktpa waste monetization plant
Design commodities plant
Investment Highlights

- Months away from being commercial
- Game-changing technology addressing traditional inefficiencies
- Waste monetization: turning liabilities into assets
- Governmental financial support
  - In January 2014, Orbite received $4 million interest-free loan from Canada Economic Development
  - In May 2014, following a thorough third-party due-diligence process, Quebec Government invested $10 million in Orbite’s equity
  - In February 2015, selected for a $4.5 million grant from Sustainable Development Technology Canada (SDTC) towards our red mud and waste monetization demonstration following a technical and economic due-diligence process
  - Eligible for a refundable 32% tax credit on equipment purchases over the next 3 years
- Orbite can address supply issues in strategic and critical materials such as scandium, gallium and rare earths
- Strong interest from large industry players, such as Veolia and Glencore
- Portfolio of high-value added specialty products
## Market Capitalization
(Data as of June 30, 2015)

**Closing Price per Share (ORT-T – July 31, 2015)**  $0.25

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Shares Outstanding</td>
<td>368.0</td>
</tr>
<tr>
<td>Options - $0.68 WAP</td>
<td>18.7</td>
</tr>
<tr>
<td>Warrants - $0.44 WAP</td>
<td>66.5</td>
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<tr>
<td>Convertible Debentures ($25M @ $3.50/share)</td>
<td>7.1</td>
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<tr>
<td>Convertible Debentures ($0.37M @ $0.40/share)</td>
<td>0.9</td>
</tr>
<tr>
<td>Convertible Debentures ($3.1M @ $0.325/share)</td>
<td>9.5</td>
</tr>
<tr>
<td><strong>Fully Diluted Shares Outstanding (M)</strong></td>
<td><strong>470.7</strong></td>
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</tbody>
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## Balance Sheet
(As at June 30, 2015)
(In C$ millions)

### Current assets
- Cash and Short-Term (Proforma $8.6M)  $4.11
- Short-Term Rec. and Tax Credits  $10.35
- Other Current Assets  $0.83

**Total Current assets**  $15.29

### Non-current assets
- Restricted Cash  $22.47
- Refundable Investment Tax Credits  $3.36
- Property, Plant and Equipment  $85.33
- Patents and Exploration and Evaluation Assets  $18.69

**Total Non-current assets**  $129.85

### Total assets
$145.14

### Current Liabilities
- Accounts Payable and Accrued Liabilities  $3.13
- Short-Term Loan  $3.02
- Derivative Financial Instr. and Cur portion of LTD  $0.65

**Total Current liabilities**  $6.80

### Non-current liabilities
- Convertible Debentures  $23.75
- Long-Term Debt  $4.81
- Derivative Financial Instrument  $0.05
- Deferred Income and Mining Tax Liabilities  $2.37

**Total Non-current liabilities**  $30.98

### Equity

**Total liabilities and equity**  $145.14

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Management and Board

Glenn Kelly  
*President & Chief Executive Officer, Director*

Claude Lamoureux, Chairman of the Board of Directors  
Former President & CEO Ontario Teachers’ Pension Plan.

Jacques Bédard  
*VP Finance & Chief Financial Officer*

Pierre Meunier, LL.L  
Partner and Strategic Consultant at Fasken Martineau LLP, which he joined in 1989 after filling several important positions for the Government of Québec.

Yves Noël  
*VP Business Development*

Pascal Decary  
Senior Executive Vice President for Germany, Eastern Europe and Asia and Executive Director at Veolia Environmental Services

Denis Arguin  
*VP Engineering & Operations*

Lionel Léveillé  
Former President & CEO of Adacel, President of Raytheon, VP of Bombardier, VP of Oerlikon, and Exec VP of CMC Electronics.

Hubert Dumont  
*Director Technology Development*

Stéphane Bertrand  
Executive director for the 2014 International Summit of Cooperatives. From 2003 to 2007, he was Chief of Staff for the Premier of Québec.
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