Vertically integrated graphite business positioned to support the global transition to clean energy and E-mobility.

- **BATTERY PRODUCTS**
  - Kwinana development ready 20,000tpa processing facility

- **RECYCLING**
  - Recovery of battery anode materials from lithium-ion batteries

- **EPANKO MINE**
  - Scalable mining projects for long-term supply of graphite products
**Corporate summary**

### Board and Executive Management

- **Chairman**
  Robert Pett

- **Managing Director**
  Andrew Spinks

- **Director**
  John Conidi

- **Chief Financial Officer**
  Howard Rae

---

**Development of German pilot plant provides market leading technical capabilities:**

- ✔️ battery graphite manufacturing
- ✔️ product testing, analysis and development
- ✔️ flake graphite processing

---

**Capital structure**

<table>
<thead>
<tr>
<th>Ordinary fully-paid shares</th>
<th>Mitsubishi UFJ Group 12%</th>
</tr>
</thead>
<tbody>
<tr>
<td>363,986,768</td>
<td></td>
</tr>
</tbody>
</table>

**Major shareholders**

- Mitsubishi UFJ Group 12%
- Board 10%

**ASX : EGR**

- Share price A$0.17
- Market capitalisation A$61.9m

---

**ECOGRAF LOCATIONS**

- German Office
  - Pilot Plant
- Head Office
  - Kwinana Manufacturing Facility
- Epanko Graphite Project

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Vertically integrated graphite business poised for development

Environmentally friendly EcoGraf™ processing technology to produce 20,000 tonnes per annum of purified graphite for lithium-ion batteries

Produced using leading equipment design, independent certification and a commitment to sustainable manufacturing

Supporting the Global Transition to Clean Energy and E-Mobility

- Proprietary processing technology developed through extensive research & development in Australia and Germany
- Global trademarks registered, patent in progress and leading ESG credentials
- Strategic interest for use of EcoGraf™ purification for global anode recycling and high purity graphite fines markets
- Establishing key relationships with anode, battery and electric vehicle manufacturers
- Long-term sales arrangements signed with thyssenkrupp AG
- Financing support from the Australian and German Governments
- COVID-19 expected to intensify customer focus on supply chain security and sustainability
Compelling lithium-ion battery market opportunity

Graphite forecast to dominate battery mineral demand to 2050

- LEAD – 6.0%
- LITHIUM – 4.0%
- MANGANESE – 6.0%
- NICKEL – 18.6%
- OTHER – 5.0%
- COBALT – 6.2%

GRAPHTHE 53.8%

Source: World Bank Group, May 2020

Purified natural graphite per EV
Requires 50-55kg of flake graphite

27kg

Battery graphite is processed from natural flake graphite into a +99.95% high purity product suitable for anode manufacturing

EV market forecast to drive +700% growth in natural graphite demand by 2025

EcoGraf™ provides a high quality, cost competitive alternative to existing battery graphite produced using toxic hydrofluoric acid

Source: World Bank Group, May 2020
Unprecedented investment in new European battery capacity

- **Salzgitter, 2024**
  - 16GWh, later 24GWh

- **Erfurt, 2022**
  - 14GWh, later 100GWh

- **Sunderland, 2010**
  - 2.5GWh

- **Willstätt, 2020**
  - 1GWh

- **France, 2023**
  - 32GWh, later 64GWh

- **Germany, 2023**
  - 20GWh, later 24GWh

- **Germany, 202X**
  - 4GWh, later 8GWh

- **Mo i Rana, 2023**
  - Ramp-up to 32 GWh

- **Skelleftea, 2021**
  - 8GWh, later 32GWh

- **Bitterfeld, 2022**
  - 10GWh

- **Wroclaw, 2018**
  - 6GWh, later 70GWh

- **Komarom, 2020**
  - 7.5GWh

- **Göd, 2020**
  - 3GWh, later 15GWh

- **Europe, 202X**
  - Capacity unknown

- **Europe, 202X**
  - Capacity unknown

Source: After Roland Zenn (Europe)

---

- December 2019: EU commits €3.2 billion to improve sustainability in battery value chains:
  - Raw materials
  - Manufacturing
  - Management systems
  - Recycling

- Expected to unlock additional €5 billion in private investment

EcoGraf is positioned to support the massive demand for high quality, sustainably produced battery minerals for the global transition to electric energy.
Battery & EV joint ventures provide significant supply chains

<table>
<thead>
<tr>
<th>CATL</th>
<th>+</th>
<th>GEELY</th>
</tr>
</thead>
<tbody>
<tr>
<td>LG Chem</td>
<td>+</td>
<td>HYUNDAI</td>
</tr>
<tr>
<td>Panasonic</td>
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<td>TOYOTA</td>
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<tr>
<td>SK innovation</td>
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<td>CHANGAN</td>
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<td>DONGFENG</td>
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<td></td>
<td>GS YUASA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NEC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NISSAN</td>
</tr>
</tbody>
</table>

Source: After Roland Zenn (Europe)
# Battery graphite business summary

**Establishing the world’s first commercial battery graphite purification facility outside of China**

Initial commercial production plant commencing at 5,000tpa, expanding to 20,000tpa by 2022

- EcoGraf™ proprietary purification process eliminates use of toxic hydrofluoric acid
- Feasibility, engineering design and costing studies completed by GR Engineering Services
- Three years of pilot plant test work undertaken in Germany:
  - Successful application of EcoGraf™ purification process to a range of global feedstock supplies
  - Feedstock agreement with leading German trading group TECHNOGRAFIT GmbH
- Extensive product testing completed and long-term sales via thyssenkrupp AG
- Progressing financing with Australian Government for US$35 million debt facility
- Finalising construction, operations and maintenance arrangements

**Successful application of EcoGraf™ process for battery anode recycling to drive new opportunities**

Global lithium-ion battery recycling market forecast to reach US$18 billion by 2030 (Bloomberg)

### Capital investment

<table>
<thead>
<tr>
<th>Initial 5,000tpa</th>
<th>15,000tpa Expansion</th>
</tr>
</thead>
<tbody>
<tr>
<td>US$22.8m</td>
<td>US$49.2m</td>
</tr>
</tbody>
</table>

### Financial returns @ 20,000tpa

<table>
<thead>
<tr>
<th>Pre-tax NPV&lt;sub&gt;10&lt;/sub&gt;</th>
<th>Annual EBITDA</th>
<th>IRR</th>
</tr>
</thead>
<tbody>
<tr>
<td>US$141m</td>
<td>US$35m</td>
<td>37%</td>
</tr>
</tbody>
</table>
Initial battery graphite facility to be constructed in Western Australia

Staged expansion from 5,000tpa to 20,000tpa

Flexibility via scalable modular design
Australian Government support

Federal and State Government support for new technology and value added manufacturing

Kwinana to become a major global battery mineral processing centre

- Australian Government funding support and debt financing in progress
- Lead Agency role managed by Western Australian Government Department of Jobs, Tourism, Science and Innovation
- 6.7ha industrial site located in the Kwinana Strategic Industrial Area
- Advance approval granted by AusIndustry for research and development programs totaling A$8m

Western Australian advantages

- Australia’s strong reputation as a reliable supplier of high-quality industrial products
- Emerging industrial zone for value added processing of battery materials
- Direct port access and readily available infrastructure
- High transparency over ethical raw material production supply chain
- Protection of intellectual property rights for further downstream processing activities, including battery recycling
EcoGraf™ development process

- **Battery graphite scoping study completed**: AUG 2015
- **Battery graphite feasibility and engineering studies commenced with GR Engineering**: SEP 2016
- **Preliminary feasibility study completed, EcoGraf™ provisional patent lodged**: DEC 2017
- **German optimisation and feedstock testing completed**: OCT 2018
- **EcoGraf™ feedstock benchmarking program**: NOV 2019
- **EcoGraf™ process developed in Australia and Germany**: JAN 2018
- **EcoGraf™ international patent lodged**: JUN 2019
- **Technical cooperation commenced with Future Battery Industries CRC**: JUN 2020
- **20 tonne natural flake graphite bulk sample battery material test work**: FEB 2016
- **Battery graphite produced in commercial facility in Asia**: NOV 2016
- **EcoGraf™ process developed in Australia and Germany**: NOV 2016
- **German pilot plant optimisation program commenced January 2018**: DEC 2018
- **Engineering study completed on Australian EcoGraf™ facility**: JUN 2019
- **Offtake signed with Thyssenkrupp for EcoGraf™ SpG and fines**: MAY 2020
- **Product testing and endorsement**: For personal use only
Rigorous commitment to on-going technical development

4 years of intensive test work and process design to develop a new eco-friendly chemical process that provides a cost competitive alternative to the use of toxic hydrofluoric acid

- Test work performed in Australia and Germany conducting >100 trials using a systematic, scientific method to optimise the purification process with research and development support from the Australian Government
- Micronising and spheronising study delivered industry leading yields of 45-55%
- On-going evaluation by potential customers in Asia and Europe confirms attractiveness of EcoGraf™ products as a high quality and cost-effective alternative to existing supplies
- Effectiveness of EcoGraf™ purification demonstrated through successful application to 10 existing sources of natural flake graphite from Europe, Africa, Asia and South America
- Successful application for use in battery recycling and graphite fines purification is attracting strong interest for new market opportunities
Extensive product qualification testing successfully completed

Over 80 graphite product samples, including various grades of spherical graphite, tested successfully by battery anode manufacturers in Asia and potential customers in Europe and North America.

Product specifications (SpG15)

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Carbon content</td>
<td>&gt;99.95%</td>
</tr>
<tr>
<td>Moisture</td>
<td>&lt;0.2%</td>
</tr>
<tr>
<td>pH-Value</td>
<td>6-8</td>
</tr>
<tr>
<td>d10</td>
<td>&gt; 9 micron</td>
</tr>
<tr>
<td>d50</td>
<td>14.5 – 15.5 micron</td>
</tr>
<tr>
<td>d90</td>
<td>&lt; 25 micron</td>
</tr>
<tr>
<td>Tap density</td>
<td>&gt;0.93 g/ml</td>
</tr>
<tr>
<td>SSA</td>
<td>&lt; 7 m²/g</td>
</tr>
</tbody>
</table>

Typical physical properties

- Particle size distribution:
  - d10 = 10 micron
  - d50 = 15 micron
  - d90 = 23 micron
- Tap density: 0.99 g/ml
- Carbon content: 99.97%
- Moisture: 0.1%

Testing confirms EcoGraf™ products achieve battery anode manufacturers’ specifications

Positive feedback from potential customers on consistency of quality attributes, battery performance and environmental advantages

Typical ICP analysis result of EcoGraf™ purified spherical graphite

<table>
<thead>
<tr>
<th>Element</th>
<th>Ag</th>
<th>Al</th>
<th>Ba</th>
<th>Bi</th>
<th>Ca</th>
<th>Cd</th>
<th>Co</th>
<th>Cr</th>
<th>Cu</th>
<th>Fe</th>
<th>K</th>
<th>Mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ppm</td>
<td>&gt;0.1</td>
<td>6.3</td>
<td>5.2</td>
<td>&gt;0.6</td>
<td>5.9</td>
<td>&gt;0.1</td>
<td>&gt;0.2</td>
<td>0.3</td>
<td>0.3</td>
<td>7.1</td>
<td>6.6</td>
<td>1.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Element</th>
<th>Mn</th>
<th>Mo</th>
<th>Ni</th>
<th>P</th>
<th>Pb</th>
<th>Si</th>
<th>Sn</th>
<th>Sr</th>
<th>Ti</th>
<th>V</th>
<th>W</th>
<th>Zn</th>
<th>Zr</th>
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<tbody>
<tr>
<td>ppm</td>
<td>0.2</td>
<td>&lt;0.3</td>
<td>5</td>
<td>&gt;0.8</td>
<td>&gt;0.6</td>
<td>12</td>
<td>&lt;0.5</td>
<td>&lt;0.4</td>
<td>&lt;0.1</td>
<td>&lt;0.5</td>
<td>&lt;0.1</td>
<td>0.9</td>
<td></td>
</tr>
</tbody>
</table>

Battery results of EcoGraf™ purified spherical graphite

- Discharge Capacity 3rd Cycle: 367 mAh/g
- Discharge Efficiency 1st Cycle: 94.5%
Cost-effective and scalable manufacturing process

- 100 mesh @ 94-95%C natural flake graphite
  Produced through crushing, grinding and flotation

- Agreement in place to secure feedstock

- Standard equipment
  Mechanical grinding and shaping
  Micronising and spheronising using proven milling equipment

- Fines by-products for industrial customers
- Purification of fines for high purity specialty products and carbon markets

- Multi-stage chemical purification, washing and filtration process that eliminates hydrofluoric acid

- International patent pending for chemical purification process

- Purified >99.95%C battery graphite for lithium-ion batteries

- Eco-friendly
- Cost-effective
- High quality

Process flowsheet and planned scale-up de-risked through extensive engineering, optimisation and product qualification programs, achieving strong customer endorsement.
EcoGraf™ results confirm superior performing battery material

Not all graphite is equal - Crystallinity is an important property in the lithium-ion battery as the level of crystallinity affects the electrochemical performance. In natural graphite deposits, crystallinity is determined by the geological setting.

- EcoGraf’s preferred feedstocks, including Epanko material from the Company’s development ready project in Tanzania, demonstrated superior performance against existing material used in the lithium-ion battery market.
- Results demonstrate the importance of battery graphite crystallinity which has a direct effect on battery performance factors such as power output, battery life and charging capability.
- Superior and cost competitive alternative material for the battery anode supply chain.
Closing the carbon loop

Challenge

- Recycling efforts focus on Cathode metals
- Carbon anode material is currently not recovered and is landfilled

Carbon material which is waste product generated from each stage of the battery anode manufacturing, cell manufacturing and battery testing

Carbon material remaining after hydrometallurgical processes have recovered the high value cathode metals from end-of-life lithium ion batteries

Benefits and Opportunity

- Reduction in battery unit costs
- Contributing to lowering the EV carbon footprint
- Sustainability benefits from reuse of recovered anode material
Collaboration is critical to develop closed loop lithium-ion battery manufacturing for anode carbon materials.
EcoGraf™ purification for recycling anode material

Positive initial results demonstrate EcoGraf™ recovery of high purity carbon anode material from recycled lithium ion batteries

• Confirms the flexibility of the EcoGraf™ purification process for use in a range of purification applications, delivering a powerful and cost-effective solution for customers in a new high growth global market

• Provides full lifecycle support on battery anode material usage

• Purification process patent updated to include intellectual property assets relating to recycling applications
Cost effective purification process to recover carbon anode material

Process optimised to produce high purity battery graphite (99.95% C) from natural graphite as precursor to battery anode material

International patent pending for chemical purification process

✓ Eco-friendly
✓ Cost-effective
✓ High quality

Multi-stage chemical purification, washing and filtration process that eliminates hydrofluoric acid

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EcoGraf™ purification results

The EcoGraf™ proprietary purification process has successfully recovered high purity carbon anode material from both lithium-ion ‘production scrap’ and ‘black mass’ materials.

<table>
<thead>
<tr>
<th></th>
<th>PRODUCTION SCRAP (%C)</th>
<th>BLACK MASS (%C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Sample</td>
<td>98-99.85%</td>
<td>30-50%</td>
</tr>
<tr>
<td>EcoGraf™ Purification</td>
<td>98.6%-100%</td>
<td>98-99.6%</td>
</tr>
</tbody>
</table>

Carbon (%C) grades determined by Loss on Ignition (LOI) method.
EcoGraf™ Recovered High Purity Carbon Anode Material

EcoGraf™ process retains particle shape for reuse.

**Microscopic picture**: Recovered carbon anode material showing particle shapes. Oval shaped particles (spheronised natural graphite) and plate shapes synthetic graphite.
EcoGraf’s strategy to recover and reuse carbon anode material
Result support reuse in high purity carbon anode material
Production scrap market

Battery Cell Production

Production losses during cell production is significant.

Production loss during battery cell manufacturing and product testing estimates:

Potential Market Size as % of Battery Production

Early Production >30%

Target ~10%

Source: Panasonic Investor Presentation, Tesla company reports
Lowering carbon emission footprint of EV production

Battery represents over 40% Carbon (CO₂) emission footprint of EV production

- Estimated 10% to 30% production loss in cell manufacturing and in battery testing
- **Solution**: Develop ‘In-Process’ of Production Scrap, i.e. Slurries and Coating Process Waste
  - Re-use would reduce 13.5kg of CO₂ per kWh

**PRODUCTION SCRAP**

- **Solution**: Recover and reuse of Carbon Anode Material in high carbon markets including battery supply chains

**BLACK MASS**

Recycling of Carbon Anode Material has an important role to reduce carbon emissions

Reference (No Canary, Volkswagen)
Recycling market evolving rapidly

Global effort by EV and battery manufacturers to develop a circular economy through zero-waste batteries

- Existing recycling practices are outdated with significant battery material disposed of via toxic landfill
- Government and industry are actively working to establish effective recycling processes to improve waste recovery, with Bloomberg forecasting the battery recycling market to reach US$18 billion over the next decade
- Increased importance of sustainable supply chain partnerships to reduce the environmental impact of electric vehicle batteries

World Bank Group ‘Minerals for Climate Action’ report highlights need for efficient mineral use

- Effective recycling is critical to minimize climate change impacts resulting from the increased use of minerals in the transition to renewable energy
- Graphite is forecast to comprise 54% of the total volume of future mineral demand for energy applications
- Over 3 billion tonnes of battery minerals will be needed by 2050 to transition to renewable energy
EcoGraf™ proprietary purification has the potential to provide a tailored and customised solution to increase recycling of recovered carbon anode material.

- Contribute to lowering battery unit cost
- Contribute to lowering carbon emissions

Blending EcoGraf’s Kwinana high purity ‘Battery Graphite’ with ‘Recovered Carbon Anode Materials’ provides a compelling opportunity to support the transition to clean energy.
## Flake graphite business summary

### Long life Epanko Graphite Mine to supply industrial and battery markets

- Bankable Feasibility Study completed by GR Engineering Services
- Bank appointed Independent Engineer’s Review completed by SRK Consulting
- Supporting Tanzania’s industrialisation strategy

### Defined, de-risked and ready for construction
- Equator Principles development model, satisfying:
  - International Finance Corporation Performance Standards
  - World Bank Group Environmental, Health & Safety Guidelines

### Sector leading ESG credentials
- 60,000tpa initial development with low cost expansion to meet market demand
- thyssenkrupp (Germany) and Sojitz Corporation (Japan)

### Scalable production plant

<table>
<thead>
<tr>
<th>Capital investment</th>
<th>Financial returns @ 60,000tpa</th>
</tr>
</thead>
<tbody>
<tr>
<td>US$89m</td>
<td>Pre-tax NPV_{10}</td>
</tr>
<tr>
<td></td>
<td>Annual EBITDA</td>
</tr>
<tr>
<td></td>
<td>IRR</td>
</tr>
<tr>
<td>US$211m</td>
<td>US$44.5m</td>
</tr>
</tbody>
</table>
Bankable feasibility study (BFS) key highlights

- 50% increase in production to 60,000tpa positions Epanko to be a major baseload supplier of high value graphite products to traditional and emerging graphite markets

- Low pre-production capital of US$88.9m

- C1 operating costs FOB Dar es Salaam of US$500/t

- BFS delivers a high returning project:
  - Pre-tax NPV10 of US$211m
  - Internal rate of return: 38.9%
  - Annual EBITDA of US$44.5m

- Economics do not include sales into the high-growth lithium-ion battery market

- Metallurgical test work demonstrates potential to produce 99% carbon concentrate from fresh ore with no additional milling or cleaning stages

- Executed marketing strategy with strong alignment to German industry and the battery supply chain in Japan, Korea and Taiwan

- 44ktpa - binding sales and offtake agreements in place covering initial production

- 16ktpa - under negotiation with existing partners and leading European carbon groups

- Debt financing program with Germany’s KfW IPEX-Bank

- Manufacturing of EcoGraf™ battery grade graphite to add further value
High returning 60ktpa BFS positions Epanko for development

- Robust technical and financial BFS completed, conforming with IFC standards
  - Average production of 60,000tpa graphite concentrate
  - High proportion of >150 micron concentrate at carbon grades demanded by the market
  - Potential to produce a 99% carbon concentrate from <150 micron flake to supply high growth battery anode market
- BFS utilised industry leading consultants
  - Including GR Engineering, Knight Piesold, CSA Global and IMO Metallurgy
  - Technical due diligence completed by independent bank appointed engineer SRK
- BFS economics are based on sale into refractory and other established markets
  - Significant upside potential through access to high value markets, including spherical and expandable graphite

### Epanko bankable feasibility study outcomes

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development period (months)</td>
<td>19</td>
</tr>
<tr>
<td>Average annual throughput (tonnes)</td>
<td>695,000</td>
</tr>
<tr>
<td>Strip ratio (waste to ore)</td>
<td>0.4:1</td>
</tr>
<tr>
<td>Average feed grade (% TGC)</td>
<td>8.3</td>
</tr>
<tr>
<td>Graphite recovery (%)</td>
<td>94.7</td>
</tr>
<tr>
<td>Average product carbon grade (%)</td>
<td>96</td>
</tr>
<tr>
<td>Graphite production (tonnes per year)</td>
<td>60,000</td>
</tr>
<tr>
<td>Mining cost (US$/t processed)</td>
<td>7.93</td>
</tr>
<tr>
<td>Processing cost (US$/t processed)</td>
<td>19.61</td>
</tr>
<tr>
<td>General &amp; administration cost (US$/t processed)</td>
<td>4.75</td>
</tr>
<tr>
<td>Transport and port charges (US$/t sold)</td>
<td>107</td>
</tr>
<tr>
<td>C1 FOB cost (US$/t sold)</td>
<td>500</td>
</tr>
<tr>
<td>All in Sustaining cost(^1) (US$/t sold)</td>
<td>572</td>
</tr>
<tr>
<td>Pre-production capital cost (US$ million)</td>
<td>88.9</td>
</tr>
</tbody>
</table>

\(^1\): Includes royalties (US$39/t), sustaining capital (US$15/t), off-site corporate functions (US$10/t) and rehabilitation (US$8/t)
VTEM shows highly conductive undrilled western zone with significant graphite potential

- Significant mineralisation exists outside of the Mineral Resource estimate modelled on an 8% TGC cut-off compared to the 5% TGC cut-off utilised for the Ore Reserve
  - Mineral Resource at lower 5% TGC is 113.3Mt at 7.2% TGC grade for 8.1Mt contained graphite
  - Importantly the 7.2% TGC grade under the 5% TGC cut-off above is higher than comparable Tanzanian deposits of relative scale
- Strong conductivity identified in VTEM survey highlights the potential for the delineation of additional mineralisation along strike and at depth
- Only 1.13km of the 4km strike identified by VTEM survey has been drilled on the West Pit
  - Remains open at depth with the deepest reported graphite intersection at 200m
  - Potential to provide significant tonnages of additional graphite mineralisation
# Full compliance with mineral legislation
## Epanko to demonstrate success of new laws

<table>
<thead>
<tr>
<th>Requirement</th>
<th>TanzGraphite Action</th>
</tr>
</thead>
</table>
| Local content        | • Annual plans submitted to Mining Commission with all targets achieved  
                      | • 64% of economic returns to Tanzania  
                      | • Opportunity for skills and technology transfer in high growth battery energy market                                                                 |
| Use of banks         | • TanzGraphite bank accounts to be held in Tanzania  
                      | • Mining Commission approval granted under Regulation 34 of the *Mining (Local Content) Regulations 2018* to engage reputable foreign financial institutions to provide finance to TanzGraphite’s projects in Tanzania |
| Logistics & export   | • TanzGraphite to operate on-site certified laboratory and secured product warehouse  
                      | • Government Authorised Officer to oversee security and royalty calculations                                                                 |
| Annual reporting     | • TanzGraphite has established a framework for on-going Mining Commission reporting and compliance                                                                 |

Meetings progressing with relevant Government Ministries in Tanzania to advance the US$60 million debt financing proposal made to the Government for the construction of the new Epanko Graphite Mine
Epanko provides mine-to-market ESG supply chain assurance

- Mine development satisfies Equator Principles social and environmental planning standards
- Long-life, high quality supply of natural flake graphite for industrial and battery markets
- Ideally located to support European customers’ supply chain management under the Paris Agreement on climate change
- German and Australian Government funding support
- US$60m debt funding proposal developed in conjunction with Germany’s KfW IPEX-Bank and presented to the Government of Tanzania in March 2020 with the aim of simplifying and fast-tracking the financing process
- Subject to the agreement of the Government of Tanzania, EcoGraf and KfW IPEX-Bank are ready to proceed to prepare formal loan documentation to enable the financing arrangements to be implemented.
Summary and valuation proposition

Vertically integrated graphite business positioned for the global transition to clean energy

- 20,000tpa Battery (Spherical Graphite)
- US$35M Annual EBITDA
- 37% Internal Rate of Return
- US$141M Pretax NPV

Development ready graphite businesses forecast to generate US$80m EBITDA per annum

- 60,000tpa Natural Flake Graphite
- US$44.5m Annual EBITDA
- 38.9% Internal Rate of Return
- US$211m Pretax NPV

Proprietary EcoGraf™ purification technology provides sector leading ESG credentials with application to battery recycling industry
Disclaimer

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Various statements in this document constitute statements relating to intentions, future acts and events. Such statements are generally classified as “forward looking statements” and involve known and unknown risks, uncertainties and other important factors that could cause those future acts, events and circumstances to differ materially from what is presented or implicitly portrayed herein. The Company gives no assurances that the anticipated results, performance or achievements expressed or implied in these forward-looking statements will be achieved.

Production targets and financial information
Information in relation to the feasibility study conducted on the production of battery graphite using the Company’s EcoGraf technology, including production targets and forecast financial information derived from the production targets, included in this document is extracted from an ASX announcement dated 5 December 2017 “Battery Graphite Pilot Plant”, as updated on 17 April 2019 “EcoGraf Delivers Downstream Development”, available at www.ecograf.com.au and www.asx.com.au. The Company confirms that all material assumptions underpinning the production targets and forecast financial information derived from the production targets set out in the announcement released on 5 December 2017, as updated on 17 April 2019, continue to apply and have not materially changed.

Information in this document relating to the Bankable Feasibility Study conducted on the Epanko Graphite Project, including production targets and forecast financial information derived from the production targets, included in this document is extracted from an ASX announcement dated 21 June 2017 “Updated Bankable Feasibility Study” available at www.ecograf.com.au and www.asx.com.au. The Company confirms that all material assumptions underpinning the production targets and forecast financial information derived from the production targets set out in the announcement released on 21 June 2017 continue to apply and have not materially changed.

Competent persons
Any information in this document that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Andrew Spinks, who is a Member of the Australasian Institute of Mining and Metallurgy included in a list promulgated by the ASX from time to time. Andrew Spinks is a director of EcoGraf Limited and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Andrew Spinks consents to the inclusion in this document of the matters based on his information in the form and context in which it appears.

Information in this document that relates to Mineral Resources is based on information compiled by Mr David Williams, a Competent Person, who is a Member of the Australasian Institute of Mining and Metallurgy. David Williams is employed by CSA Global Pty Ltd, an independent consulting company and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”, David Williams consents to the inclusion in this document of the matters based on his information in the form and context in which it appears.

Information in this document that relates to Ore Reserves has been compiled by Mr Steve O’Grady, who is a Member of the Australasian Institute of Mining and Metallurgy. Steve O’Grady is a full-time employee of Intermine Engineering and produced the Mining Reserve estimate based on data and geological information supplied by Mr Williams. Mr O’Grady has sufficient experience which is relevant to the estimation, assessment and evaluation of the economic extraction of the Ore Reserve that he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Steve O’Grady consents to the inclusion in this document of the matters based on his information in the form and context in which it appears.
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