

PRESENTING THE 22ND ANNUAL

# Mineral Sands Conference

Australia's key meeting place for the mineral sands industry

16 – 17 November 2021 | Crown, Perth

## KEY INDUSTRY SPEAKERS INCLUDE:



Reg Adams, *Managing Director, Artikel UK*



Mathew Blackwell, *Head of Major Projects and Marketing, Iluka Resources Limited*



Annette Elliott, *Managing Director Australia, Tronox Holdings*



Patrick Mutz, *Managing Director, Image Resources NL*



Tim Carstens, *Managing Director, Base Resources Limited*



Luke Graham, *Chief Executive Officer & Managing Director, Strandline Resources Limited*



Murray Lines, *Director, Stratum Resources*



Tiger Brown, *Managing Director, Astron Limited*



Abhinav Gupta, *Research Dry Cargo, Braemar ACM Shipbroking*



Michael Carvill, *Managing Director, Kenmare Resource plc*



Ray Mudgway, *Managing Director, Westland Mineral Sands New Zealand*



Michael Winternitz, *Director of Projects, WIM Resources*



Damian Connelly, *Principal Consulting Engineer, METS Engineering*



Brenda Van Rhyn, *Regional Manager Western Australia, Mineral Technologies/Downer*



Sean O'Donnell, *Engineering Manager Western Australia, Mineral Technologies/Downer*



Mark Saxon, *President & CEO, Medallion Resources Ltd*



Bruce Griffin, *Executive Chairman, Sheffield Resources Ltd*



David McCoy, *Executive Chairman, TZMI*



Julian Stephens, *Managing Director, Sovereign Metals Ltd*



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# Mineral Sands Conference

Tuesday 16 November 2021

# DAY 1

9.00 **OPENING** | Opening remarks from the Chair

## INDUSTRY OUTLOOK

9.05 **Promising Outlook for Mineral Sands in a Post-Pandemic World**

- Economic growth, world trade & investment climate
- Mineral sands value-chain
- Supply/demand in the major end-use sectors
- Mergers/acquisitions & changing industry structures
- New projects & new industry entrants
- Challenges & opportunities facing the industry
- Future scenarios for the mineral sands industry

Reg Adams, *Managing Director*, ARTIKOL UK

9.35 **KEYNOTE PRESENTATION**

Mathew Blackwell, *Head of Major Projects and Marketing*, Iluka Resources Limited

10.05 **Sustainability and Integration: Impacts on the TiO<sub>2</sub> industry**

- Incorporating sustainable business operations
- Atlas-Campaspe project update

Annette Elliott, *Managing Director Australia*, Tronox Holdings

## OPERATION UPDATES

10.35 **Thunderbird: Pathway to FID**

- Update on early works, BFS and financing
- Pathway to FID, construction and production

Bruce Griffin, *Executive Chairman*, Sheffield Resources Ltd

11.05 Morning break

11.35 **Base Resources – building a unique mineral sands company**

- Extending mine life at Kwale Operations
- Enhancing the Toliara Project

Tim Carstens, *Managing Director*, Base Resources Limited

12.05 **Strandline building a significant critical minerals business**

- Coburn project in WA fully-funded to production & cashflow
- Construction is underway with first production scheduled for late next year
- Exciting Tanzania growth projects with +30 year production profile

Luke Graham, *Chief Executive Officer & Managing Director*, Strandline Resources Limited

12.35 **Questions**

12.45 Lunch

1.45 **INTERNATIONAL PRESENTATION**

**The emergence of New Zealand Heavy Mineral Sands**

- Overview of our company Westland Mineral Sands Co. Ltd
- The licences, areas and sand content that we have and are developing
- Our plans and ambitions

Ray Mudgway, *Managing Director*, Westland Mineral Sands New Zealand

2.15 **Dry bulk shipping market and implications for mineral sands exporters**

- Drivers for 2021 freight rally
- Demand and supply fundamentals
- Freight outlook

Abhinav Gupta, *Analyst – Dry Cargo Research*, Braemar ACM

## PROJECTS UPDATE

2.45 **Avonbank Heavy Mineral Sands Project – Feasibility & Development Update**

Michael Winternitz, *Director of Projects*, WIM Resources

3.15 Afternoon Break

3.45 **INTERNATIONAL PRESENTATION**

**Kenmare Resources – The world's largest supplier of ilmenite**


Michael Carvill, *Managing Director*, Kenmare Resources plc

4.15 **The role and effects of COVID-19 on the nationwide skills shortage across the mining industry**

*Speaker to be advised*

Please check the conference website regularly for speakers and topics updates

4.45 **Questions**

5.00 Networking Drinks 

6.00 Close of Day 1



# Mineral Sands Conference

Wednesday 17 November 2021

# DAY 2

**9.00 OPENING** | Opening remarks from the Chair

**9.10 Established, Profitable Australian Mining Company**

Patrick Mutz, *Managing Director, Image Resources NL*

## RARE EARTHS

**9.40 The outlook for rare earths market for 2021 and beyond**

Murray Lines, *Director, Stratum Resources*

**10.10 Maximizing Mineral Sand Value – The Monazite Opportunity**

- Optimizing the use of all mined materials is critical to minimise the impact of mining
- Extracting value from by-products mineral and metals provides an excellent opportunity for both improved sustainability and financial gain
- Mineral sand monazite is an abundant and geographically diverse feedstock rich in rare earth elements. Extracting and separating REEs from monazite can add substantial value to mineral sand projects while reducing waste and off setting the need for new mining
- Medallion Resources has developed best-in-class technologies for the safe and sustainable extraction and separation of REEs

Mark Saxon, *President & CEO, Medallion Resources Ltd*

**10.50** Morning break

**11.20 A new rutile province discovered**

- Rutile market overview
- Geological results
- Kasiya deposit in Malawi

Julian Stephens, *Managing Director, Sovereign Metals Ltd*

**11.50 Market review on Chinese titanium industry and trend**

David McCoy, *Executive Chairman, TZMI*

**12.20 Questions**

**12.30** Lunch

## PROJECTS UPDATE

**1.30 Astron Corporation – developing two projects – Donald in Australia, and Niafarang, Senegal**

Tiger Brown, *Managing Director, Astron Limited*

## TECHNICAL PERSPECTIVES

**2.00 Targeting low-impact mineral processing**

With environmental management a key challenge for mining operators, our teams are focusing on delivering low-impact solutions that utilise minimum resources (water, plant construction materials, etc) whilst maintaining high grade and recovery.

Brenda Van Rhyn, *Regional Manager Western Australia* and Sean O'Donnell, *Engineering Manager Western Australia, Mineral Technologies/Downer*

**2.30 Can Reflux Classifiers Replace Spirals in Mineral Sands Plants?**

*Spirals have been the backbone of mineral sands plants since 1943. The Reflux Classifier invented by Kevin Galvin at the University of New South Wales has the potential to offer greater efficiency and simpler flowsheets with lower capital costs. This would be a transformational technology change if it is taken up by the industry.*

*The Reflux Classifier incorporates a “laminar high shear rate” mechanism, which represents the latest in fine particle gravity based separation technology. The lamella section enhances the efficiency/capacity of the Reflux Classifier, producing a more compact, higher efficient separation unit when compared to competing fine coal and mineral processing equipment such as spirals, up-current classifiers and teeter bed separators. Recently FL Smidth has launched its modular Reflux Classifier plant, which is suitable for fines gravity separation applications.*

*Recent piloting and applications are cited and discussed in detail including operating history.*

Damian Connelly, *Principal Consulting Engineer, METS Engineering*

**3.00 Questions**

**3.15 CLOSE** | Closing remarks from the Chair

## SPONSORSHIP AND EXHIBITION OPPORTUNITIES

Reconnect and Re-engage with your industry peers at this year's 22nd Annual Mineral Sands Conference.

There are many opportunities for networking including social events such as networking drinks, lunches and refreshment breaks making this not just a conference... but an all-encompassing industry “experience”.

Excellent opportunities exist to showcase your organisation.

For further information, please contact:

**Megan Rogulski, Sponsorship Manager**

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### EXHIBITORS:



## VENUE DETAILS

Crown Perth, Great Eastern Highway, Burswood WA 6100

Phone: 1800 556 688

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Register Early & Save	Early Bird Rate				Standard Rate		
	Book & pay by 15 October 2021				Book & pay from 16 October 2021		
Conference Package	PRICE	GST	TOTAL	SAVE	PRICE	GST	TOTAL
Two day conference	\$2,695	\$269.50	\$2,964.50	\$500	\$3,195	\$319.50	\$3,514.50
Virtual pass					\$1,900	\$190	\$2,090

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