05 July 2022

Encouraging Exploration Results of Mortimer Hills Project Field Work

Highlights

- **Follow up reconnaissance mapping and pegmatite sampling at Zeus's 'Pegmatite Creek' Prospect (Figure 2), located 5km southeast along strike from the Malinda Lithium Deposit (held by Arrow Minerals Ltd; ASX: AMD) ("Arrow").**
- **Field work has located an extensive suite of pegmatites outcropping beneath alluvial cover following exposure by recent rainfall.**
- **Further mapping has also located several outcrops of manganiferous gossan (associated with dolomite) within the tenement.**
- **A total of 40 rock chip samples submitted for assay to examine the geochemical signature of the gossans, pegmatites, and their parent granites.**
- **Rehabilitation of drill sites and tracks at Zeus' Reid Well Base Metals Prospect was partially completed during the quarter.**

Zeus Resources Ltd (ACN 139 183 190) (ASX: **ZEU**) ("**Zeus**" or "the **Company**") is pleased to announce that the Company completed Phase 3 of its Mortimer Hills Project (E09/2147) exploration plan in June 2022 and achieved further exploration results.

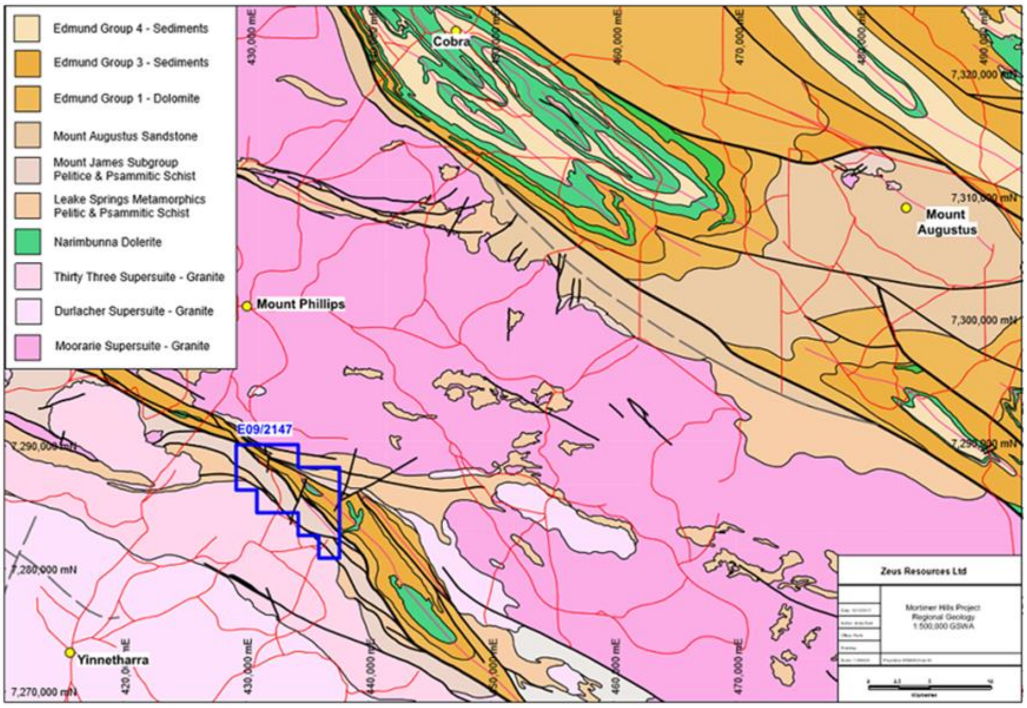

Figure 1. Regional Geology & E09/2147

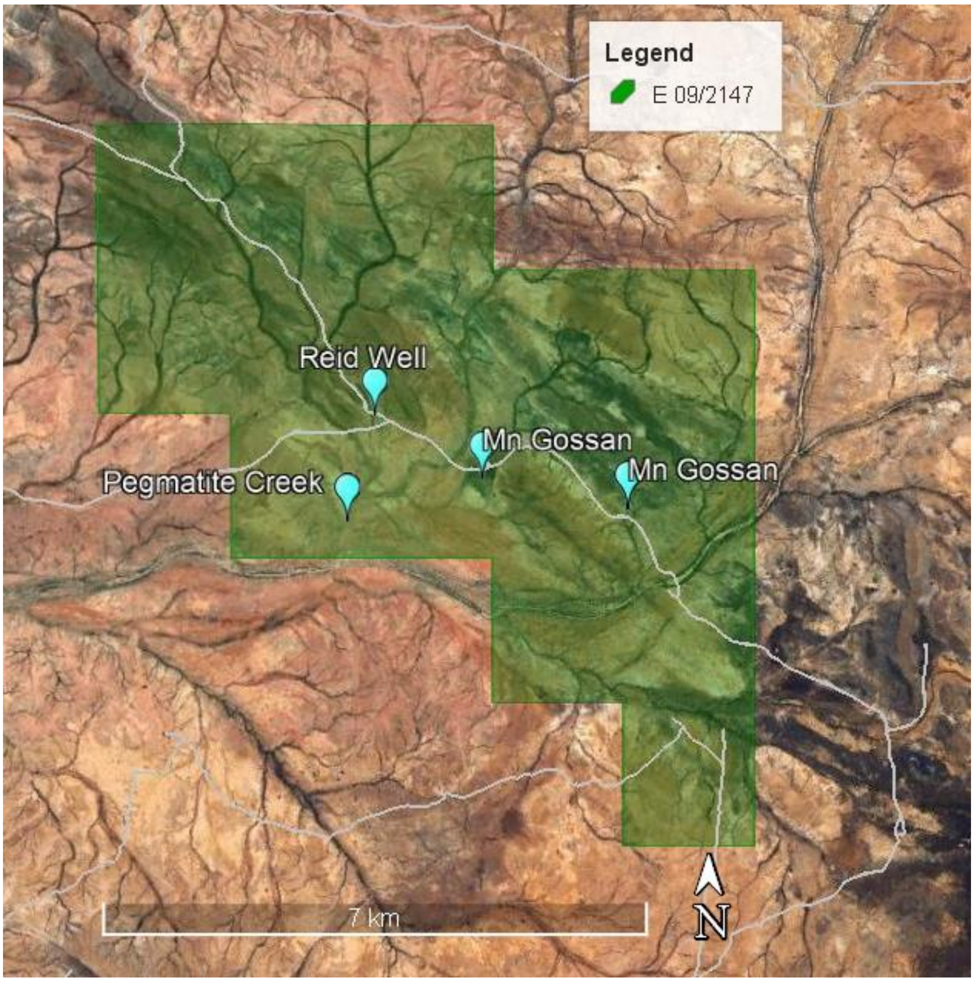

Figure 2. Gascoyne Project- Mortimer Hills E09/2147 Prospect Locations.

1. Rehabilitation of drilling disturbance

A total of 22 RC drillholes were drilled at the Reid Well Base Metals Prospect during Q4 2021. Rehabilitation of drillholes, pads and access tracks were partially completed during June 2022.

2. Thirty-Three Supersuite Lithium-Caesium-Tantalum (LCT) Pegmatite Prospectivity

Previous work by Arrow immediately to the east of Zeus' E09/2147 tenement has identified the Thirty-Three Supersuite as a fertile parent granite with the potential to generate LCT Pegmatite swarms.

Rock chip sampling by Arrow returned results up to 3.77% Li2O and observed distinct Niobium/Tantalum fractionation trends extending outwards from the parent granite intrusion. Arrow's work indicated that Lithium mineralisation (in the form of spodumene and lepidolite) within the region occurs in a 'sweet spot' lying 500 to 3,000m outboard of the parent granitoid. (**See Segue Resources ASX Announcement, 09 October 2017**).

The Thirty-Three Supersuite extends ESE along strike and the southern margin of Zeus' tenement. Zeus considers the tenement has substantial potential for host-related LCT Pegmatite mineralisation. Extensive tourmaline alteration of the country-rock also suggests the granitoid of the Thirty-Three Supersuite are highly fractionated and have the potential to generate LCT Pegmatites.Subcropping deformed pegmatites, similar in character to those encountered further west at Arrow's Malinda Lithium Prospect, were first identified on Zeus' E09/2147 tenement in Q3 2021 (**See Zeus ASX Announcement, 1 October 2021**) with subsequent mapping locating the Pegmatite Creek Prospect in Q4 2021 (**See Zeus ASX Announcement, 17 December 2021**).

Recent fieldwork during Q2 2022 has targeted the prospective zone extending outwards from the intrusive contact of the Thirty-Three Supersuite Granitoids.

Figure 3. Extensive quartz sheetwash blanket covering the metamorphosed contact between the vegetated Thirty-Three Supersuite granitoids (RHS) and metasedimentary country rock. Arrow pointing to the location of the Pegmatite Creek prospect (see Figure 6).

The prospective zone extending outwards from the margins of the prospective granites into the host metasediments is largely obscured by an extensive blanket of quartz sheetwash (Figure 3) derived from weathering of the intrusive granitoid.

At the Pegmatite Creek prospect numerous pegmatites are exposed by erosion along the flanks of the intrusive Granite with recent winter rainfalls fortuitously facilitating better exposure of outcrops.

Mapping indicates the core of the intrusive is comprised of K-feldspar-quartz-muscovite/biotite granite is surrounded by a siliceous outer carapace of quartz-albite-tourmaline granite containing extensively developed pegmatites and quartz-tourmaline veining.

A 50-200m wide (narrowing along strike to the southeast) transitional margin contains interleaved quartz veins, quartzose pegmatites, tourmaline-rich zones and migmatised biotite-cordierite schists. The contact metamorphic aureole, in which the regional chlorite-sericite-garnet schists are metamorphosed to biotite-cordierite shists, extends outwards for approximately 500m from the parent granite.

Individual pegmatites (Figure 4) and pegmatite swarms (Figure 5) are observed intruding along the dominant NW-SE regional metamorphic fabric. Evidence of zonation has been observed within larger pegmatites and some pegmatites appear to be recrystallised and sheared and boudinaged by post-intrusion deformation.

Figure 4. Pale-coloured boudinaged pegmatite intruding dark grey biotite-cordierite schists on the the margins of the parent granite (hillside in background).

A total of 4 rock chip samples were taken from the parent granite and 28 rock chip samples were taken from pegmatites were taken to investigate their geochemical signatures.

The Company has engaged Western Geophysics Pty Ltd in WA to collect more available geophysics data and carry out the desktop research for the prospective area now. Follow up airborne (drone) surveying is being planned next for Q3 2022 to target the the lithium 'sweet spot' lying 500 to 3,000m outboard of the parent granitoid.

Figure 5. Pegmatite swarm (pale coloured) intruding biotite-cordierite schists/hornfels (dark coloured) developed on the margins of Thirty-Three Supersuite Granite (hillside in background) Arrows highlighting individual pegmatites.

3. Manganiferous Gossans

Previous work has located the widespread occurrence of manganiferous ironstone clasts within transported sheetwash on the tenement.

Field mapping during the Quarter located several outcrops of manganiferous gossans developed adjacent to fault-bounded outcrops of dolomite within sedimentary units of the Bangemall Basin.

Competent outcrops of dolomite typically form large, sheared lobes 0.5 to 2 kilometres in length within the Ti-Tree shear zone. Manganiferous nodules and manganese-cemented breccias (Figure 6) outcrop on their southern margins where erosion and transport downslope forms extensive pediments of transported manganite and quartz (Figure 7).

Figure 6. Extensive manganiferous lag developed adjacent to outcropping brown dolomites (in foreground).

Figure 7. Manganite sample showing pyrolusite needles (Sample#ZEU110).

Zeus considers these regions to have the potential to host a fault-bound manganese deposit.

A total of 6 rock chip samples were taken to investigate the potential of these manganiferous gossans/breccias.

These regions will be targeted for detailed mapping and airborne geophysical survey in the near future with a view to developing suitable drill targets.

4. Base-Metal Targets

Significant historical exploration efforts have been undertaken throughout the region exploring for base metal mineralisation within the Bangemall Basin and its outlier, the Ti-Tree syncline. Low grade occurrences, gossans and anomalous outcrops of base metals (Pb-Zn-Cu) are widely reported throughout the region within the Ti-Tree Syncline.

Gossanous material has been previously observed and sampled on Zeus' now defunct E09/1618 tenement and was also observed throughout the E09/2147 tenement along the margins of the metamorphosed sediments of the Bangemall Basin within the sheared Ti-Tree Syncline.

A further two rock chip samples were taken from base-metal gossans observed during field work.

5. Summary

Reconnaissance mapping and sampling conducted during Q2 2022 has continued to build upon Zeus' exploration success.

Exploration at the Pegmatite Creek Prospect has confirmed the intrusive nature of the Thirty-Three Supersuite granitoids and better defined the prospective Lithium target zone.

Mapping indicates that the parent granitoid has generated a swarm of prospective pegmatites which have intruded the host rocks along the regional metamorphic fabric associated with the Ti-Tree Shear Zone. Post-intrusive shearing has partially deformed, boudinaged and recrystallised these pegmatites.

The Lithium 'sweet spot', lying 500 to 3,000m outboard of the parent granitoid, is largely blanketed by alluvial cover with follow up work aiming to better define the margins of the parent granite under cover and target this zone.

Additional exploration work has located several prospective outcrops of manganese and ironstone gossans and breccias developed along the shear/fault-bounded margins of outcropping dolomites within the tenement.

Further airborne / drone-borne photogrammetry and geophysical surveying to define targets for follow up sampling and subsequent drilling.

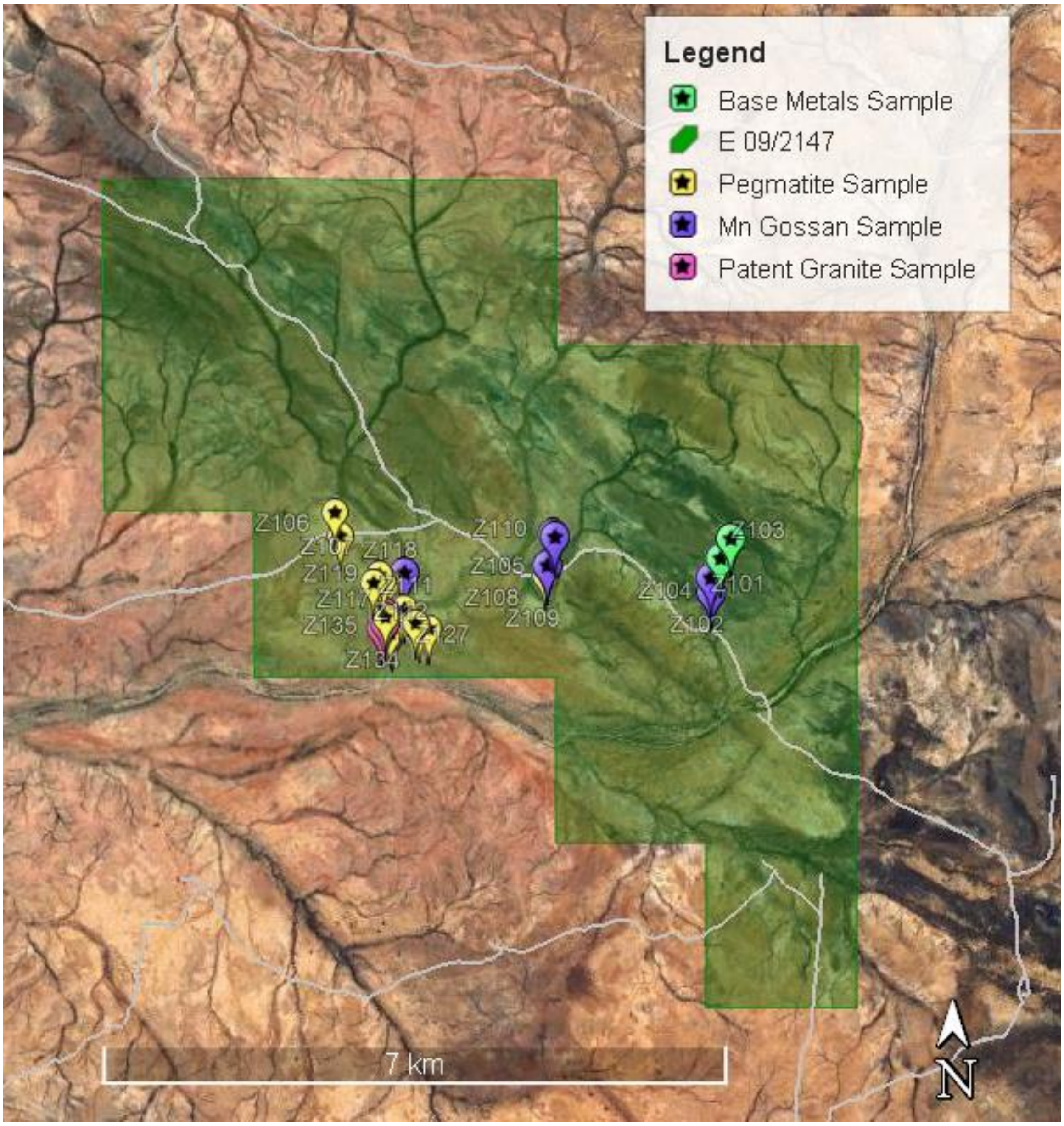

Figure 8. Mortimer Hills Tenement; Q2 2022 Sample Locations referred to in text.

SampleID	GDA94_E	GDA94_N	Sample Type
ZEU101	435,911	7,285,245	Mn Gossan
ZEU102	435,903	7,285,405	Mn Gossan
ZEU103	436,125	7,285,844	Base Metals
ZEU104	436,013	7,285,624	Base Metals
ZEU105	434,131	7,285,888	Mn Gossan
ZEU106	431,683	7,286,157	Pegmatite
ZEU107	431,745	7,285,897	Pegmatite
ZEU108	434,071	7,285,534	Mn Gossan
ZEU109	434,050	7,285,465	Pegmatite
ZEU110	434,155	7,285,854	Mn Gossan
ZEU111	432,186	7,285,463	Pegmatite
ZEU112	432,118	7,285,371	Pegmatite
ZEU113	432,248	7,285,333	Pegmatite
ZEU114	432,252	7,285,327	Pegmatite
ZEU115	432,281	7,285,227	Pegmatite
ZEU116	432,325	7,285,186	Pegmatite
ZEU117	432,378	7,285,112	Pegmatite
ZEU118	432,466	7,285,447	Fault Breccia
ZEU119	432,224	7,285,397	Pegmatite
ZEU120	432,273	7,285,374	Pegmatite
ZEU121	432,258	7,285,262	Pegmatite
ZEU122	432,257	7,285,256	Pegmatite
ZEU123	432,426	7,285,083	Pegmatite
ZEU124	432,440	7,285,086	Pegmatite
ZEU125	432,466	7,285,085	Pegmatite
ZEU126	432,593	7,284,917	Pegmatite
ZEU127	432,595	7,284,922	Pegmatite
ZEU128	432,601	7,284,905	Pegmatite
ZEU129	432,638	7,284,870	Pegmatite
ZEU130	7,284,870	7,284,863	Pegmatite
ZEU131	432,724	7,284,852	Pegmatite
ZEU132	432,282	7,285,157	Pegmatite
ZEU133	432,272	7,285,020	Pegmatite
ZEU134	432,255	7,284,990	Pegmatite
ZEU135	432,252	7,284,991	Granite
ZEU136	432,250	7,284,887	Granite
ZEU137	432,211	7,284,829	Granite
ZEU138	432,328	7,284,783	Pegmatite
ZEU139	432,332	7,284,792	Granite
ZEU140	432,312	7,284,812	Pegmatite

Table1. Rock Chip Sample Locations.

Competent Person Statement:

Information in this release that relates to Exploration Results is based on information compiled by Mr Jonathan Higgins, who is a Member of the Australian Institute of Geologists (AIG). Mr Higgins is is engaged by Zeus Resources Limited as an independent consultant. Mr Higgins has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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'. Mr Higgins consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.

****

Disclaimers

This announcement is provided for information purposes only and is not a prospectus, disclosure document or other offering document under Australian law or under any other law.

The information in this announcement is of a general nature and does not purport to be complete. This announcement does not purport to contain all the information that a prospective investor may require in connection with any potential investment in the Company. Each recipient must make its own independent assessment of the Company before acquiring any securities in the Company.

Except for any liability that cannot be excluded by law, the Company and its related bodies corporate, directors, employees, servants, advisers and agents (together, "**Affiliates**") disclaim and accept no responsibility or liability for any expenses, losses, damages or costs incurred by you relating in any way to this announcement including, without limitation, the information contained in or provided in connection with it, any errors or omissions from it however caused, lack of accuracy, completeness, currency or reliability or you or any other person placing any reliance on this announcement, its accuracy, completeness, currency or reliability.

Not investment advice

This announcement is not financial product or investment advice nor a recommendation to acquire or sell securities in the Company. Information in this announcement is not intended to be relied upon as advice to investors or potential investors and has been prepared without taking account of any person's individual investment objectives, financial situation or particular needs.

Each recipient of this announcement should make its own enquiries and investigations regarding all information in this announcement including but not limited to the assumptions, uncertainties and contingencies which may affect future operations of the Company and the impact that different future outcomes might have on the Company.

Before making an investment decision, prospective investors should consider the appropriateness of the information having regard to their own investment objectives, financial situation and needs and seek legal, accounting and taxation advice appropriate to their jurisdiction. The Company is not licensed to provide financial product advice in respect of its securities.

Past performance

Past performance of the Company should not be relied on and is not indicative of future performance including future security prices.

Forward looking statements

This announcement may contain certain forward-looking statements. The words 'anticipate', 'believe', 'aim', 'estimate', 'expect', 'intend', 'may', 'plan', 'project', 'will', 'should', 'seek' and similar expressions are intended to identify forward looking statements. These forward-looking statements are based on assumptions and contingencies that are subject to change without notice and involve known and unknown risks, uncertainties, and other factors, many of which are beyond the control of the Company and its Affiliates. Refer to the 'Risk factors' above for a summary of certain risk factors that may affect the Company.

Investors are strongly cautioned not to place undue reliance on forward looking statements, particularly in light of the current economic climate and the significant volatility, uncertainty and disruption caused by the COVID 19 pandemic.

Forward looking statements are provided as a general guide only and should not be relied on as an indication or guarantee of future performance. Actual results, performance or achievements may differ materially from those expressed or implied in those statements and any projections and assumptions on which these statements are based. These statements may assume the success of the Company's business strategies, the success of which may not be realised within the period for which the forward-looking statements may have been prepared, or at all.

No guarantee, representation or warranty, express or implied, is made as to the accuracy, likelihood of achievement or reasonableness of any forecasts, prospects, returns, statements or tax treatment in relation to future matters contained in this announcement. The forward-looking statements are based on information available to the Company as at the date of this announcement. Except as required by applicable laws or regulations, none of the Company or its Affiliates undertakes to provide any additional information or revise the statements in this announcement, whether as a result of a change in expectations or assumptions, new information, future events, results or circumstances.

Not an offer

This announcement is not an offer or an invitation to acquire securities of the Company or any other financial products. This announcement does not constitute an offer to sell, or a solicitation of an offer to buy securities in the United States or any other jurisdiction where it would be illegal, and will not form any part of any contract or commitment for the acquisition of securities.

This announcement has been prepared for publication in Australia only and may not be released to US wire services or distributed in the United States. The securities have not been, and will not be, registered under the US Securities Act of 1933 (the US Securities Act) and may not be offered or sold in the United States except in transactions exempt from, or not subject to, the registration requirements of the US Securities Act and applicable US state securities laws. The distribution of this announcement in the United States and elsewhere outside Australia may be restricted by law. Persons who come into possession of this announcement should observe any such restrictions as any non-compliance could contravene applicable securities laws.

This announcement was authorised for release to the ASX by the Board of the Company.

ENDS

For further information, please contact:

Emily Austin
Corporate Governance Advisor
Melbourne.cosec@boardroomlimited.com.au