ISEE Australia

10TH DRILL & BLAST DOWN UNDER CONFERENCE 2026

Perth, Western Australia
17, 18 & 19 November 2026
Optus Stadium

ISEE Australia

CONFERENCE PROGRAM 2026



Platinum Sponsor

PLATINUM BLASTING SERVICES

Conference Agenda

The Riverside Rooms are located on Level 3 (West) at Optus Stadium

- Conference Room - Riverside Room 1
- Exhibition Hall - Riverside Room 2 & 3
- The Sports Lounge at Optus Stadium is located on Level 3 (South)

Tuesday 17th November

2.00 pm	Delegate Registration
2:00 pm	Exhibitor Bump in and set up
6.00 pm	Arrival Networking Session - Exhibitor Hall

Day 1: Wednesday 18th November

7.00 am	Delegate Registration
8.15 am	ISEE Australia President's Address – Lee Julian
8.25 am	Welcome Address - Jennifer Low, Deputy WorkSafe Commissioner
8.35 am	Official Opening by James Buck Hawkins, Executive Director, International Society of Explosives Engineers
8.45 am	Keynote Speaker – Paul Carter
9.45 am	Technical Session 1
10.15 am	ISEE Awards – Driller of the Year, Shotfirer of the Year & Past President's Award
10.30 am	Morning Tea
11.00 am	Technical Session 2
12.30 pm	Lunch
1.30 pm	Technical Session 3
3.00 pm	Afternoon Tea
3.30 pm	Technical Session 4
5.00 pm	Happy Hour (in Exhibitor Hall)
6.00 pm	Conference Area Close
7.00 pm	Conference Dinner - Optus Stadium Sports Lounge – Buffet and Cocktail Reception (Sponsored by Black Diamond Drilling)

Day 2: Thursday 19th November

8.00 am	Registration Open
8.30 am	Technical Session 5
10.30 am	Morning Tea
11.00 am	Technical Session 6
12.30 pm	Lunch
1.30 pm	Technical Session 7
3.30 pm	Conference Closing Address
3.35 pm	Afternoon Tea
4.00 pm	Event Closes and Exhibitor Bump Out
4.30 pm	Closing Networking Drinks at The Camfield

Technology & Innovation Spotlight (On Stage - Exhibition Hall)

15-minute time slots showcasing new technologies/case studies/products.

- Carlson Software Australia
- Propak Industries
- ACA Training
- CorePlan
- Control Services Australia
- Ideagen
- LiveMine
- Instantel (Canada)
- Innovative Blasting Technologies

BD Drill Black Diamond Drilling Services Australia

From the ISEE Australia Chapter President



Welcome to the 10th Drill and Blast Down Under! It was a humble beginning when our first event took place in a university classroom. We have now grown into the world class drill and blast event we have today, in our biggest venue yet. It is with pride that our official opening address is by James Buck Hawkins, the Executive Director of the International Society of Explosives Engineers.

We have an exciting agenda planned, starting with Paul Carter, an accomplished author and driller as our keynote. Paul has worked around the world and has some incredible stories to tell. Make sure you attend his presentation!

This year we received more technical submissions, and of a higher standard, than ever before. I hope you enjoy the presentations and take away new knowledge and techniques. If you are working on an interesting project, prepare your abstract and submit your paper for next year's conference on the Gold Coast.

The ISEE Australian Chapter and the conference are managed by volunteers. Growing our drill and blast community and our event has taken a huge amount of work. I would like to personally thank every past and present board member for their tireless work and belief in our industry.

Our conference wouldn't succeed without the support of our sponsors. I would like to thank them all, with a special mention to Platinum Blasting Services for your continued support as our Platinum Sponsor. Without the generosity of our sponsors our event wouldn't exist. Please thank them, visit them in the exhibition hall, investigate innovation, and ask questions.

Enjoy the conference!

Lee Julian
President / ISEE Australia
Director / Blast Ability

KEYNOTE SPEAKER

Paul Carter



From Oil Fields to Bestsellers: Paul Carter's Journey Through Chaos, Danger and Laughter

A take no prisoner's approach to life has seen Paul Carter heading to some of the world's most remote, wild and dangerous places as a contractor in the oil business. Amazingly, he's survived (so far) to tell these stories from the edge of civilization, and reason.

Paul has been shot at, hijacked, and held hostage. He holds two Australian motorcycle records for distance and speed and was once locked in the toilet by his own monkey. Taking postings in some of the world's wildest and most remote regions, not to mention some of the roughest drilling rigs on the planet. Paul has worked in locations as far-flung as the North Sea, Middle East, Borneo and Tunisia, as exotic as Sumatra, Vietnam and Thailand, and as flat out dangerous as Afghanistan, Columbia, and Nigeria.

Paul survived all this with his crew, some of the maddest, baddest, and strangest people you could hope not to meet. He is the author of four best selling books and is currently working on his fifth.

Paul has been working in the oil exploration industry since he was eighteen years old, Paul and his crew have completed drilling campaigns in some of the world's most remote, wild and dangerous places. In that time, he accumulated a wealth of hilarious and often terrifying stories. Today he lives in Perth with his wife, two children and three motorcycles. But who knows where he'll be tomorrow!

PAUL.A. 1969 PAC CARTER

Technology & Innovation Spotlight

Wednesday 18th November 2026 - Exhibition Hall

10:40 am - 10:55 am	**From BlastOPS to GNSS Drills, connected workflows with Carlson** Daniel Nanthath ammiko, Carlson Software Australia
12:45 pm - 1:00 pm	Propak Industries
1:00 pm - 1:15 pm	**ACA Training App - Functionality and Demonstrating its Capability for the Drilling Industry** Peter Milne, ACA Training
1:15 pm - 1:30 pm	**From Paper Plods to Live Metre Targets in Drill and Blast** Hayleigh Moss, Customer Success Manager
3:10 pm - 3:25 pm	**When Blasting Is Not an Option – Hydraulic Rock Splitting for Controlled Excavation** Jonas Stahlbage, Sales Director, Yamamoto Rock Splitter

Thursday 19th November 2026 - Exhibition Hall

10:40 am - 10:55 am	**Predicting the Plume: Turning Site-Specific Blast Fume Forecasts into Confident Blast Decisions** Israel Garcia, APAC Sales Executive, Ideagen Envirosuite; Shaun MacRae, Chief Product Officer, Ideagen Envirosuite
12:45 pm - 1:00 pm	**Building Magazine and Blast Management Technology for Operational Crews** Ross Cusdin, Livemine
1:00 pm - 1:15 pm	**Importance of Monitoring Data Reliability, Integrity and Validation** Brad Ysseldyk, Instantel & Tony Zoitsas, Saros
1:15 pm - 1:30 pm	**OptiClino – A New Approach to Navigating and Aligning Longhole Drills Underground Using Computer Vision. Delivering New Levels of Accuracy Without Survey Markups** Jollan Kingsley – Mining Engineer / Director at OptiClino & IBT

TECHNICAL TOPICS

** Presentations are not finalised and program is subject to change.*

Day 1: Wednesday 18th November

TECHNICAL SESSION 1

1	8.15 am	**ISEE Australia President's Address** Lee Julian *Blast Ability*
2	8.25 am	**Welcome Address** Jennifer Low *Deputy WorkSafe Commissioner*
3	8.35 am	**Opening Address** James Buck Hawkins *Executive Director, International Society of Explosives Engineers*
4	8.45 am	**Keynote Speaker** Paul Carter
5	9.45 am	**Technical Topic: Blast Hole Drilling - 50 Years of Changes - From Compressors to Computers** Graeme Exelby *Director, DTH Drilling Solutions (Australia/Zambia)*
6	10.15 am	**ISEE Awards – Driller of the Year, Shotfirer of the Year & Past President's Award**
7	10:30 am	**Morning Tea**

TECHNICAL SESSION 2

1	11.00 am	**Overslept Production Rings – A Post-Weather Event Analysis** Matt Bouwmeester *Senior Production Engineer - Technical Services, Victory Minerals - Ballarat Gold Mine*
2	11.30 am	**Laser Guidance Systems in Underground Development Operations** James Hay *Founder, Acculaser*
3	12.00 pm	**Kidston Pumped Hydro Reverse Portal Breakthrough** John Wall *Underground Specialist, Blastcon Australia*
4	12:30 pm	**Lunch**

All Technical Sessions are proudly sponsored by:

AUSTIN POWDER

TECHNICAL SESSION 3

1 1.30 pm Re-evaluation of Deflagration Testing of Permitted Emulsion Explosives

Duncan Chalmers

Snr Lect., Mining Engineering Minerals, Energy and Resources Engineering, UNSW AUSTRALIA

Rob Nowell

Underground Mining Consultant, Longwall Solutions Pty Ltd

2 2.00 pm Improved Ore Recovery and Shovel Productivity Using an Integrated Heat-resistant Explosives Solution at Lihir Gold Mine

William Pasaribu

Technical Services Engineer, AECI World

3 2.30 pm Development of an Engineering Protocol for the Creation of Bench Limits Drill and Blast Designs

Bill Adamson

Principal Consultant, AdamSol

TECHNICAL SESSION 4

1 3.30 pm Synthesis of Calcium Nitrate from Indonesian Limestone via Nitric Acid Neutralization as a Dual Salt Component in Bulk Emulsion Explosive Formulations

Yulia Hikmah

Research & Development Manager - PT DAHANA, Indonesia

Lusia Emiliana Wahyuningtyas

Commercial Explosives Research Staff - PT DAHANA, Indonesia

2 4.00 pm Designing an Electronic Detonator with Automated Delay Timing Control to Reduce Misfires and Post Blast Fume by Addressing the Impact of Dynamic Pressure During Blasting

Dr Gary Cavanough

Consulting Engineer/Research Scientist & Director, QMR Blasting Analysis

3 4.30 pm Hydrogen Peroxide Emulsion (HPE) in Action – Stockholm Sweden Rail Tunnel Project

Rakhi Pathak

Global Manager: Strategic Partnerships, BME Explosives

4 5.00 pm Happy Hour

5 7.00 pm Conference Dinner

Day 2: Thursday 19th November

TECHNICAL SESSION 5

1 **8.30 am** **Queensland Shotfirer Legislative Obligations and Evolution**
Paul Gleeson
Senior Inspector of Explosives, Resources Safety & Health Queensland

2 **9.00 am** **Testing of Carry Boxes for the Transport of Incompatible Explosives**
Lee Julian
Director, Blast Ability
Ryan Brogden
Director, Frontier Safety

3 **9.30 am** **Investigation of Incendivity Properties and Other Safety Parameters of Permitted Electronic Delay Detonators for Usage in Underground Coal Mines**
Arvind Kumar
Senior Technical Officer, CSIR - Central Institute of Mining and Fuel Research (CIMFR) – India

4 **10.00 am** **The Carbon-Adjusted Kuz-Ram Model: A Tri-Criteria Framework for Optimising Fragmentation, Economics, and GHG Emissions in Surface Blasting**
Rudy Heryadi
Chief Operating Officer - PT Suma Yogara Sejahtera and Lecturer, PGRI Kalimantan University Affiliation

5 **10.30 am** **Morning Tea**

TECHNICAL SESSION 6

1 **11.00 am** **Revolutionizing Noise Measurement in Mining Blasting Operations with a New Mathematical Model for Converting dB(L) to dB(A)**
Delina Mutiara
Mine Plan Engineer, Bandung Islamic University, Indonesia
Teja Sukmara
Senior Operations Manager, PT. DAHANA, Indonesia

2 **11.30 am** **Good Blasting = Good Fishing**
Evan Thibaud
CEO - Explosives Engineer, Pneu Wave Consulting Inc. (USA)

3 **12.00 pm** **Vibration Waveform Analysis from Using Regular Rhythmic Timing**
Tristan Worsey
Sr. Manager Digital Product Applications Global, Dyno Nobel - USA

4 **12.30 pm** **Lunch**

TECHNICAL SESSION 7

1	1.30 pm	**UAV–AI Framework for Inferring Subsurface Fragmentation Using AI-Modeled Surface Metrics** Dr Sri Chandrahas Nidumukkala *Engineer, Strayos*
2	2.00 pm	**The Influence of Mine Water on Blast Dynamics** Trevor Little *Director and Principal Consultant, Blasting Geomechanics*
3	2.30 pm	**Design of Blasting Patterns for Safe Excavation of Weir Foundation in Proximity of the Existing Structures within a Limited Time Bound – A Case Study** Dr. C. Sawmliana *Scientist-G & HoS, CSIR - Central Institute of Mining and Fuel Research (CIMFR), India*
4	3.00 pm	**Partial Substitution of Fuel Oil with Fine Coal in ANFO: Blasting Performance Analysis and Conservation Impact in Indonesian Mines** Azwin Harfansah *Technical Services Engineer, PT DAHANA Indonesia* Pantun Roma *Shortterm Plan Engineer, PT Semesta Centramas*
5	3.30 pm	**Conference Closing Address** Lee Julian
6	3.35 pm	**Afternoon Tea**
7	4.00 pm	**Closing and Bump Out**
8	4.30 pm	**Closing Drinks at The Camfield**

Event Sponsors

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Happy Hour Sponsor

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Arrival Networking Event Sponsors

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Shotfirer of the Year Sponsor

MTi GROUP

Driller of the Year Sponsor

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Event Exhibitors

Booth	Company
1	PR Polymers
2	Blastcon
3	Blastcon
4	CorePlan
5	International Mining Accessories
6	STX Technologies
7	Imdex
8	Aquirian Group
9	YAMAMOTO Rock Splitters - CSA
10	Benchmark Monitoring
11	Benchmark Monitoring
12	Ideagen
13	PT Dahana (Indonesia)
14	Martyn Mining Services
15	Protteam
16	Shockwave Gel Technologies
17	Diptek
18	Equipment Hub
19	MREL GROUP
20	Blast Ability
21	Perth Chemical Specialists
22	Arrowtail Precision
23	Action DB
24	O-Pitblast
25	ACA Training
26	Hyundai Everdigm Australia
27	Superior Pump Technologies
28	DG Air
29	Australasian Mining Services
30	Oresome Products

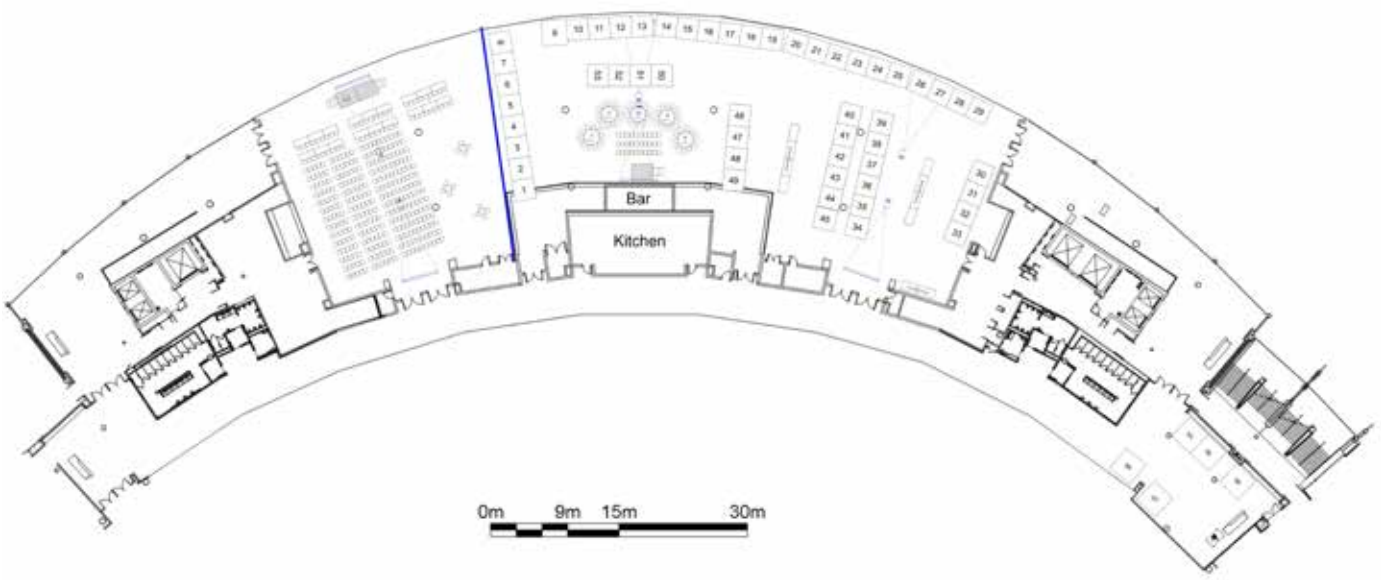
Booth	Company
31	AEISG
32	Hanwha Mining Services Australia
33	Sigicom
34	MTi Group
35	MTi Group
36	BME
37	BME
38	Saros
39	Carlson Software Australia
40	LiveMine
41	LiveMine
42	QMR Blasting Analysis
43	Clariant
44	Platinum Blasting Services
45	Platinum Blasting Services
46	IEE Global
47	Cortex
48	Dyno Nobel
49	Orica
50	Maptek
51	iCutter
52	iCutter
53	Blast it Global
54	Deswik Mining Consultants Australia
55	Saphi Engineering
56	PETRA Data Science
57	Department of Local Government, Industry Regulation and Safety (LGIRS)
58	DNA Blast Group

Optus Stadium Floorplan

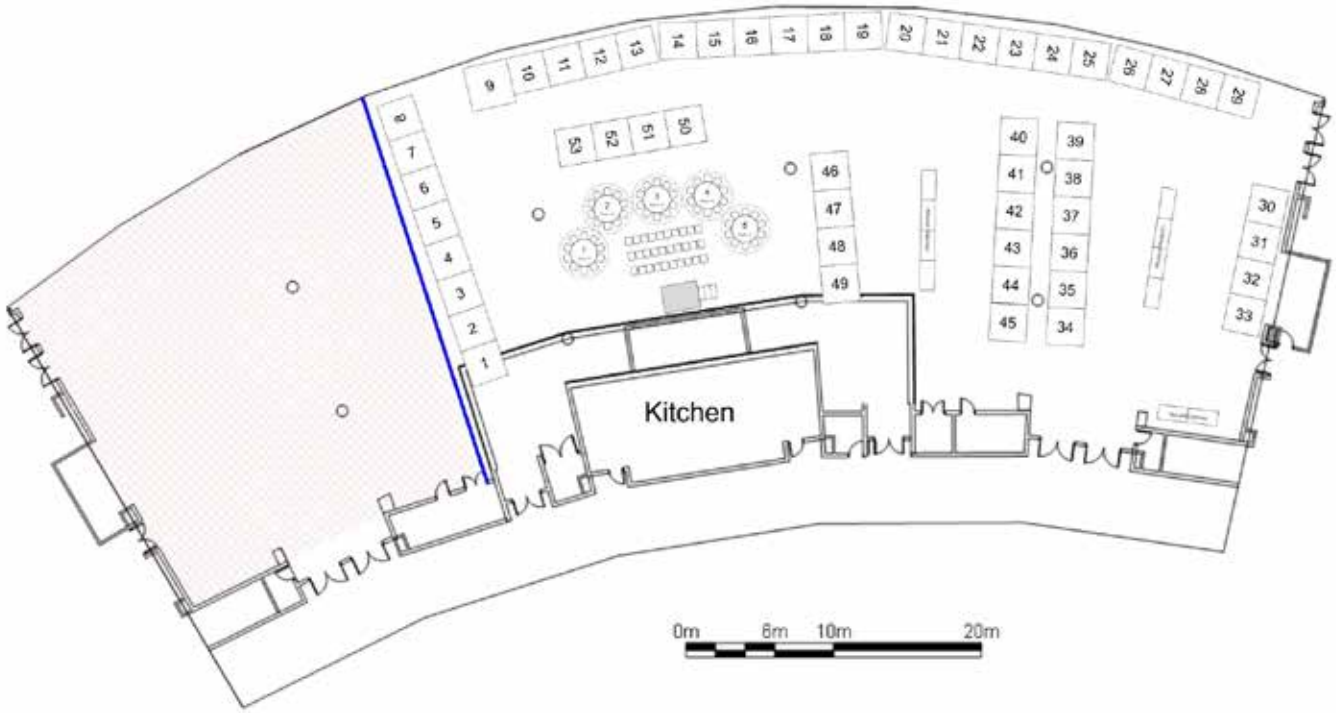
The Riverside Rooms are located on Level 3 (West)

- Conference Room - Riverside Room 1
- Exhibition Hall - Riverside Room 2 & 3

River View Room



River View Room 2 and 3



ISEE Australia Scholarships 2026

ISEE Australia were proud to award our first ever student scholarships in 2026.

Congratulations **Chandan Thandi Singh** and **Max Tracey** for winning the ISEE Australia Tertiary Scholarship 2026 which provides $5,000 AUD to each student to help cover their university fees for one year. We were thrilled to help these students and hope they choose a career in drill and blast once they complete their studies.



Chandan Thandi Singh

ISEE 2026 Scholarship
Tertiary West Winner

'Receiving the ISEE Australia Tertiary Scholarship means a great deal to me. Growing up in rural Victoria, I moved to Western Australia to study at WASM and pursue opportunities in the mining industry, and it has been one of the best decisions I've made.

While the financial support will help me focus on my studies in my final year, what means the most is being recognised by ISEE. Receiving this award has sparked even greater enthusiasm for pursuing a career in drill and blast. Through my vacation programs across several mine sites, I have developed a strong passion for the field, and this recognition reinforces my commitment to contributing to the industry.

I sincerely thank ISEE Australia for the opportunity and for recognising and supporting emerging professionals in drill and blast.

The ISEE scholarship has been a great help in supporting my move from Victoria to Kalgoorlie for university. It has helped cover the cost of travelling between home and WA, making the transition to studying interstate much more manageable.

I've also been able to use some of the funding for subscriptions to mining industry publications, which has helped me build my knowledge beyond my coursework and stay up to date with the industry. I'm very grateful for the support and the opportunities it has provided.'



Max Tracey

ISEE 2026 Scholarship
Tertiary East Winner

'This scholarship will help to reduce some of the financial pressures surrounding full-time study. Giving me more time to focus on building professional connections and opening opportunities within Drill and blast. Being situated on the east coast lessens the availability of job opportunities. This financial help has opened more opportunities for me to seek employment outside my initial scope.

This scholarship has helped to remove the financial burdens of a full-time student and allowed me to undertake an unpaid internship and thesis project full-time through the second half of 2026. Receiving this scholarship has given me the unique financial ability to choose a thesis project and internship that is aligned with my future career and is aimed to bring me closer to entering the drill and blast industry.'

ISEE Australia are offering two tertiary student scholarships and two VET scholarships for shotfirers in 2027. Applications close on December 18th, 2026. Please contact team@iseeaustralia.org for application information.

Q & A
Slido App

Do you want to ask our speakers a question? Scan the QR code and ask your question on the SLIDO app.

SLIDO code #2307245



Feedback Form

We would love to hear your feedback on our event.

Scan the QR code and let us know where we need to improve! Provide feedback and go into the draw to win an ISEE Yeti Mug.



ISEE Australia

iseeaustralia.org

About Us

The ISEE Australian Chapter is run entirely by volunteers as a not-for-profit Professional Society to give people in the Drill and Blast industry a forum to discuss and learn about new blasting techniques, standards, legislation, and technology. The Chapter was incorporated in September 2015.

Our Chapter has grown considerably since its inception and can now stand on its own without the support the ISEE Executive has provided. We are negotiating a revision to our constitution that would keep your membership fees within the Chapter, transfer management of membership lists and data to our Chapter, and bring our constitution into compliance with the Corporations Act. These changes would align us with the structure of other large ISEE Chapters. All funds raised at our conference stay in our Chapter which our reinvested into our community.

For more information regarding the ISEE, please go to **iseeaustralia.org**

Purpose

As a voice of the industry, ISEE Australia promotes diversity and respect amongst our community. We encourage the development of self, professional relationships, knowledge and skills.

Goals

1. Increase connection and engagement
2. Improved industry knowledge
3. Promote diversity within the industry
4. Advise policy makers
5. Best practice governance

ISEE Membership

ISEE Society Associate Membership is US$150 and Full Membership is US$115. To pay the member rate for the conference, complete the ISEE member application at **https://isee.org/membership** and use your membership number for the discounted conference rate (it will take up to 5 business days to receive your ISEE membership number).

When you sign up, nominate Australia as your chapter and you are automatically signed up as an ISEE Australian member for free on the Australian Chapter website at **www.iseeaustralia.org**

Joining the Australian Chapter will enable you to vote and nominate for the Chapter Board and help your industry body grow. Any questions relating to membership, please email **team@iseeaustralia.org**

Current Australian Chapter Officers and Directors

President	Lee Julian (Blast Ability)
Past President	Paul Klarić (Fortescue)
Vice President	Rakhi Pathak (BME Explosives)
Treasurer	Sarah Foster (BHP)
Secretary	Steve Mansfield (First Quantum Minerals)
Director	Penny Stewart (Petra Data Science)
Director	Maria Sullivan (Pilbara Minerals Limited)
Director	Craig Rowe (Orica)
Director	Rob Pintobona (Rio Tinto)
Director	Alex Mandl (Shrapnel Explosive Solutions)