# 2021 GEA MAJOR INDUSTRY CONFERENCE + CQH2 HYDROGEN FORUM

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## WELCOME MESSAGE

#### 

Aestec Services is honoured to be the principal sponsor of the 2021 Gladstone Engineering Alliance Major Industry Conference, and we welcome the addition of the CQH2 Hydrogen Forum. Gladstone is one of Australia's major industrial cities and, whilst Gladstone is well known for the cyclic trend of boom and bust, it cannot be denied that the successful local businesses are resilient and hardworking throughout each stage of this cycle. Despite the challenges the last few years has brought upon Australia, it is clear that the Gladstone region is more robust in numbers as we work together to continue to build our economy and success. The investigation into hydrogen technology and economic viability is a great example.

Aestec is proudly locally owned and operated, with continued growth and expansion in the region since commencing operation in Gladstone in 2005. Our diverse skill set of building, plumbing, civil, and fabrication services are utilised by many of the region's major businesses.

Aestec is committed to supporting our community to help make our region a great place to work and live.

We would like to show our gratitude to GEA for their efforts in bringing such an informative event to our region. We thank all that invested in this year's conference; whether you are here today or watching online, you have provided not only your businesses but the wider community, with the opportunity to strive and grow. Future development is always exciting, and when we choose to support other locals, we give back to the community in more ways than one.

Aestec Services warmly welcomes all delegates to the 2021 GEA Major Industry Conference and CQH2 Hydrogen Forum.



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#### **Chantale Lane General Manager GM's MESSAGE**

Welcome to Gladstone Engineering Alliance's 2021 Major Industry Conference and Hydrogen Forum, presented by Aestec Services. Whether you are joining us in person or streaming in virtually, we trust that you will find the conference and forum an excellent opportunity to gain insight, stay informed and make connections for future opportunities.

On day one we will launch with our annual Major Industry Conference, an excellent opportunity to network and become part of a diverse range of projects within our region. We have organised several key industry speakers to discuss their major projects and hear from future potential industry with opportunities to engage with the speakers throughout the day.

With the spotlight on Gladstone this year we have introduced a second day and developed the CQH2 Hydrogen Forum. The Forum has an impressive lineup of speakers to raise awareness and understanding on the opportunities this emerging industry brings to our region. As part of the CQH2 technology cluster GEA will assist in creating the environment for our region to be the benchmark for renewable energy.

I would like to thank all our sponsors and supporters for partnering with GEA to deliver the 2021 Major Industry Conference, Hydrogen Forum and Industry Awards Night. Sponsorship supports our industry events, continue to raise the profile of our region and showcases why Gladstone is the industrial powerhouse of Queensland.



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## GLADSTONE ENGINEERING ALLIANCE

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Gladstone Engineering Alliance (GEA) is a not-for-profit organisation linking business with opportunity to create sustainable growth and diversity in the Gladstone Region.

A well-established organisation that has been operating since 2003, GEA is committed in assisting the engineering, manufacturing and supply chain services within the Gladstone region to meet world best practice for its skills, proficiency, capability and quality of work.

GEA is responsive to the needs of the industry and provides a strong network of member companies seeking to deliver services to clients in both the private and public sector. We take pride in encouraging major investment and promoting the vital need for new and upgraded infrastructure in our region.

We have been working with small to medium businesses supplying to industry to ensure they remain at the forefront of the business environment to drive business growth and competitiveness by supporting business improvement.

#### **CHANGE INFLUENCE**

We represent our member's interests on a local, state and federal level and encourage investment opportunities and advocate for local content.

#### LINK



We link our members with one another, major industry and project development through a host of in-person and virtual events and functions.

#### **BUILD UP**

We build our member's capabilities through professional development and learning opportunities.

#### 

We promote our members achievements and raise their profiles through social media channels, website and digital newsletters.

#### GIVE BACK



We give back by fundraising for other local not-for-profits, supporting our community partners and helping our members fulfil their corporate social responsibility.





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## MAJOR INDUSTRY CONFERENCE AGENDA

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#### THURSDAY, 7 OCTOBER 2021

7.30am	DELEGATE REGISTRATIO	N
8.30am	Welcome from GEA & Aestec Services	
8.40am	Shay Chalmers	Guest Speaker & MC
8.55am	Andrew Barger	Queensland Resource Council
9.25am	Roger Stewardson	Queensland Alumina Ltd
9.50am	Krishna Venkatesan	Shell's QGC Business
10.15am	MORNING TEA/NETWOR	KING
10.45am	Vivienne Roberts	Neoen - Mt Hopeful Wind Farm
<b>11.10</b> am	John Abbott	Inter-Port Global
<b>11.35am</b>	Phil Richardson	Stanwell Corporation
12.00pm	Darren Barlow	Gladstone Area Water Board
<b>12.2</b> 5pm	LUNCH/NETWORK	
<b>1.25</b> pm	Rob Williamson	Alpha HPA
1.50pm	Rosie King	Energy Estate
<b>2.15</b> pm	Chris Corby	Boyne Smelter Limited
<b>2.40</b> pm	Sreeraj Balachandran	Rio Tinto Yarwun
3.05pm	Industry Leader's panel discussion	
3.45pm	Attilio Pigneri	Hydrogen Utility
<b>4.10pm</b>	Thanks and appreciation	
<b>4.15</b> pm	NETWORKING DRINKS	





# MEET OUR PRESENTERS

MAJOR INDUSTRY CONFERENCE

#### **Roger Stewardson Queensland Alumina Limited**

Roger is the Engineering Manager at Queensland Alumina. He is an experienced Engineering Manager with a demonstrated history of working in the cement, steel, chemicals, mining and metals industries. Skilled in Operations Management, Quality Management, Six Sigma, Risk Assessment, and Root Cause Analysis.

GC



#### Krishna Venkatesan Shell OGC

LNG Asset Manager of Shell's OGC LNG plant on Curtis Island, Krishna Venkatesan will share the highlights of the recent major maintenance works completed in June/July - the most significant to date for the facility - and how plans for next year's works are shaping up.







#### Shining the light on the region's industrial future

Now into its 18th year, the Major Industry Conference has a proud history of providing attendees with an insight into future developments at existing industry, providing a platform for proponents of new industrial projects to deliver updates on their projects and for emerging ventures to annouce their arrival. The 2021 conference continues this proud tradition.

**Rob Williamson** 

Alpha HPA

Rob is a mechanical engineer and joined Alpha HPA in June 2020 having recently

rebuilt and started up a new 155ktpa SX

zinc refinery in the USA in the capacity of

Vice President and GM of the facility. Rob

brings 20 years of experience in large

facility operations to Alpha HPA. Rob is

based in Brisbane and is responsible for

building a Project delivery team for the

HPA project in Gladstone.



**Vivienne Roberts Neoen - Mt Hopeful Windfarm** "Vivienne is an engineer and project manager and is currently Neoen's State Lead for Queensland, overseeing all development projects in the state. She has previously worked in various consulting capacities on some of Australia and South Africa's largest utilityscale renewable energy projects. She has been involved in project development, construction, commissioning and operation.



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**Inter-Port Global Consolidated Holdings** John Abbott headed the advocacy project for the Inland Rail connection to the Port of Gladstone that was sponsored by the **Central Queensland Region Organisation** of Councils (COROC) and the Regional Development Australia's Central and Western Queensland board (RDA CWQ). Inter-Port Global Consolidated Holdings was established to be a proponent for this game changing project.



**Chris Corbv Boyne Smelter Limited** 

Innovation and Assurance manager Chris joined BSL in 2006 after completing his doctorate in metallurgical engineering. Chris has held various operational leadership and business analyst roles before becoming the Innovation and Assurance manager in 2019. Innovation and Assurance is responsible for capital projects, finance, innovation and automation.





#### Phil Richardson Stanwell Corporation Phil has 15 years' experience developing strategy and executing commercial

projects and economic policy reforms, with a focus on the energy sector. As General Manager New Energy Projects at Stanwell Corporation, Phil is delivering a range of renewable energy, energy storage and hydrogen projects as part of Stanwell's portfolio strategy.



**Darren Barlow** Gladstone Area Water Board (GAWB)

March 2018. Darren has extensive management experience, having held senior roles in commercial, financial, strategic and business transformation across public and private sectors. Darren was previously the CEO of the Residential Tenancies Authority, held a range of senior executive positions at Aurizon, director at the Master Builders Association of Qld and General Manager of Strategic Relations at Ergon Energy.

**Andrew Barger** 

**Queensland Resources Council** 

Andrew Barger has over 25 years of

across a wide range of issues.

Darren joined GAWB as CEO in



**Rosie King Energy Estate** 

As the lead for Energy Estate on stakeholder engagement, Rosie leverages her extensive experience in navigating the critical relationship between developers, investors, government, industry and the community. Rosie is adept at establishing and maintaining positive and direct relationships with stakeholders, even when objectives and desired outcomes are not aligned.



#### **Attilio Pigneri Hydrogen Utility**

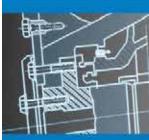
Attilio is the Co-founder and CEO of H2U. a specialist developer of green hydrogen and ammonia infrastructure projects. H2U is leading development of green ammonia projects in Australia. H2U's near- to medium-term project development portfolio includes the Eyre Peninsula™ Gateway project in South Australia and the H2-Hub<sup>™</sup> Gladstone project in Queensland.



Advisor for Decarbonisation at Rio Tinto Aluminium Ltd (RTA). He has over 15 years of experience in Rio Tinto's Aluminium operations, where he has held both operational and technical leadership roles. As part of his current role, Sreeraj supports RTA operations in a number of countries to develop a net zero decarbonisation pathway.



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## CQH2 HYDROGEN FORUM

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#### FRIDAY, 8 OCTOBER 2021

7.00am	DELEGATE REGISTRA	TION
8.00am	Welcome from GEA 8	Aestec Services
8.10am	Shay Chalmers	Guest Speaker & MC
8.20am	Mick de Brenni	Minister for Energy, Hydrogen
8.30am	Alana Barlow	Sumitomo
8.50am	Kellie Charlesworth	ARUP
9.10am	Leigh Kennedy	NERA
9.30am	Emma Roberts	CS Energy
9.50am	MORNING TEA/NETWORKING	
10.30am	Industry Leader's panel discussion	
<b>11.10</b> am	Owen Sharpe	AGIG
<b>11.30am</b>	Daniel Krosch	GPA Engineering
<b>11.50am</b>	John Feenan	Hyzon Motors
<b>12.1</b> 0pm	LUNCH/NETWORKIN	G
<b>1.00</b> pm	Steve Hall	CQUni
<b>1.20pm</b>	Chris Dolman	BOC/Linde
<b>1.40pm</b>	Steve Kerr/Masaru N	ishimura Stanwell/Iwatani
<b>2.00pm</b>	Daniel Andersen	Powerlink
<b>2.2</b> 0pm	Matthew Paull	APPEA
<b>2.4</b> 0pm	Felicity Underhill	Fortescue Future Industries
3.00pm	Thanks, appreciation	, close







# MEET OUR PRESENTERS

CQH2 HYDROGEN FORUM

#### Hydrogen - the future of renewable energy

The CQH2 Hydrogen Forum will explain why Central Queensland is the focus of the emerging hydrogen industry.While hydrogen is a relatively new industry in Australia, our presenters all have extensive knowledge on the industry and will provide detail on how the region is preparing to capitalise on this unique opportunity, what it means for Queensland and the potential projects that could materialise as the industry develops.

#### Mick de Brenni Minister for Energy, Renewables and Hydrogen

Minsiter de Brenni's responsibilities include energy, regulation of electricity and gas sectors, biofuels, clean energy, energy industry development, hydrogen, renewable energy, building and plumbing standards, govt buildings, govt purchasing, regulation of the Qld building industry, property facilities management for govt and major projects and urban design and architecture.





#### Emma Roberts CS Energy

Emma is CS Energy's Head of Future Energy. CS Energy is a major provider of energy in Queensland, with over 3000MW of capacity in its fleet, with a large presence in the Central Queensland region. CS Energy invested early in a pre-feasibility and feasibility study for a renewable hydrogen demonstration plant (in collaboration with IHI Japan) and will share some of the findings of those studies.

#### Leigh Kennedy NERA

Leigh Kennedy is NERA's National Cluster Development Manager with a focus on working collaboratively with regional clusters to build an national hydrogen technology cluster for Australia that can be promoted around the world. Before joining NERA Leigh worked with Austrade's international network and govt partners to drive Austrade's global resources.



#### Daniel Andersen Powerlink

Daniel brings experience across a wide range of the electricity network supply chain including network planning and investment, asset management and long term strategy development. In his current role, Daniel is responsible for the development of Powerlink's long term network strategy to meet the dynamic external environment and future customer requirements.





#### Alana Barlow Sumitomo

Alana is National Hydrogen Commercialisation Manager working in the Hydrogen Department at Sumitomo Australia, focusing on development of hydrogen ecosystems, net zero society and pathways for commercialisation. Previous extensive in-house legal and in private practice experience, focusing on international trade, energy and mineral resources industries.



#### Owen Sharpe Australian Gas Infrastructure Group

Owen implements Australian Gas Infrastructure Group's strategic priorities where renewable hydrogen is blended with natural gas for use by households and industry. Owen is orchestrating delivery of Hydrogen Park Gladstone as well as providing key strategic inputs to Hydrogen Park South Australia, Hydrogen Park Murray Valley, and the Australian Hydrogen Centre.

#### **John Feenan Hyzon Motors**

John is Commercial Director for Hyzon Motors Australia, based in Sydney, Australia commencing with the company in July 2020. John holds a BSc(Hons) degree from Sydney University, an MSc from Imperial College, London and a Graduate Diploma in Applied Finance and Investment at FinSIA. In 2003 he completed a PhD in Innovation Management from the University of Western Australia.



**Chris Dolman** 

BOC

Chris Dolman is Business Development

Manager, Clean Energy for BOC South

Pacific. Chris has worked for BOC since

2004 both in South Pacific and in the

United Kingdom and has held a number

of roles across product and marketing

management, business development and

sales during this time.

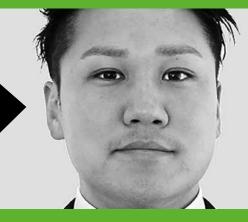
#### **Kellie Charlesworth** ARUP

Kellie is Arup's Energy Skills Leader for Australasia. Her strong background in planning and approvals for large infrastructure initiatives, and recent focus on sustainability and low carbon economy transition, places her at the forefront of the energy sector's transformation. Kellie is currently leading Arup's collaboration with the Australian Govt on the National Hydrogen Infrastructure Assessment (NHIA).



#### **Daniel Krosch GPA Engineering**

Daniel is a Mechanical Engineer at GPA Engineering and holds a Masters from OUT. He has experience in low carbon projects, from initiation to first start-up. Specifically, for hydrogen he has delivered projects across the supply chain; from mobility to export. This is underpinned by his fundamental understanding of fuel cells, electrolysers and is coupled with sound technical engineering knowledge.



#### **Felicity Underhill Fortescue Future Industries**

After more than twenty years in oil and gas, Felicity saw the light and has been working on hydrogen since 2018. Working with Fortescue Future Industries on their priority projects, Felicity is particularly interested in accelerated delivery of hydrogen production projects and the many associated benefits. learned which she is determined to put into the development of the hydrogen industry.



#### Steve Hall CQU

Steve is a metallurgical engineer with extensive resources industry education experience. He has taught and researched in the UK. Canada and Australia. He is a member of the Australasian Institute of Mining and Metallurgy and an Academician of the Russian Academy of Mining Sciences. Steve Hall commenced as Dean of the School of Engineering and Technology at CQU in May 2019.



#### Steve Kerr Stanwell Corporation

Steve has worked in the Qld electricity industry for over 30 years with a background on power plant chemistry and water treatment. Along the way, his role has included exploring options for new and alternative technologies associated with the electricity industry as well as technical and strategic risk management practices.

Steve is currently acting as the technical lead for Stanwell's new energy activities including the developments in the hydrogen industry.





#### Masaru Nishimura Iwatani Australia

Having recently moved to Australia from Japan, Nishimura-san will open Iwatani's first Australian office, in Brisbane, in October 2021. As Japan's project director and hydrogen development and commercial lead for the proposed CQ-H2 renewable hydrogen project. Nishimura-san will work closely with Australian project partner lead, Stanwell Corporation, to undertake a detailed feasibility study into the development of a proposed large-scale electrolyser and liquefaction facility at Gladstone.





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#### NAME

Matthew Paull Mick Storch Mick Storch Kenn Cromwell Mark Tungol Kris Welsh **Royalene Lisle** Doug Deakin Chris Skerman Nathan Parnaby **Chris Wratten** Ben Tanner Ben Smith Neil Wissemann Mike Crouther Chris Coonev Rob Williamson

Rob Gibb Kellie Charlesworth Michael Argent Annette Woods Paul Gleeson Ben McGarry Katrina Chadwick Mike Sudmalis Ken Holwell Thom Cameron Tony Bernabei Adrienne Rourke Janette Heintze Justin Heintze Owen Sharpe

Tiffany Hyne Richard Hyne Kathy Corones Ali Cheema Ken Bidgood Salman Ghani Chris Dolman Chris Colby mpaull@appea.com.au mick.storch@thebulliongroup.com.au mick.storch@thebulliongroup.com.au kenn@achievegroup.com.au mark@achievegroup.com.au kris.welsh@aclconnect.com.au rovalene@aestec.com.au dougdeakin@aestec.com.au chris@aestec.com.au nathan@aestec.com.au chrisw@aestec.com.au ben.tanner@airliquide.com ben.smith@airlquide.com neil.wissemann@alfalaval.com mike.crouther@allianceautomation.com.au ChrisC@allianceautomation.com.au rwilliamson@alphahpa.com.au

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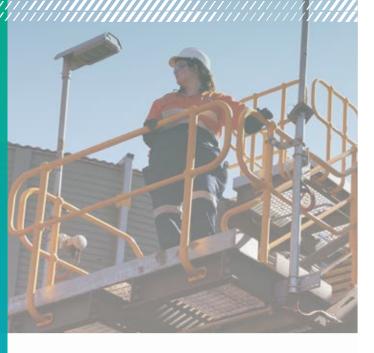
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# CQ-H2: Advancing renewable hydrogen in Central Queensland Image: Comparison of the supply chain Renewable energy Hydrogen production Liquefaction Shipping Utilisation Image: Comparison of the supply chain Image: Comparison of the supply chain Image: Comparison of the supply chain Image: Comparison of the supply chain

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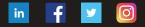
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# CONFERENCE + FORUM NOTES

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# YOUR FEEDBACK

#### 

Thank-you for attending the 2021 GEA Major Industry Conference and CQH2 Hydrogen Forum. We hope that you found it to be a rewarding and beneficial experience.

GEA has been holding its Major Industry Conference for over a decade and we strive for it to be a rewarding and informative event for the presenting businesses, sponsors, partners and attendees.

To ensure we can grow and develop this unique event we value your input. To simplify the process in obtaining your feedback we have provided a quick and easy-to-use survey.

Please take a few minutes to use the QR code and complete our online survey.





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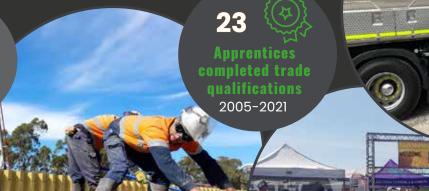
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