



Portfolio

Marketing, Design, PR & Content Creation

NEWSLETTERS

PROMOTIONAL MATERIALS

BANNERS

EVENT MATERIALS

STATIONARY

EXPO STALL DESIGNS

WEBSITE

STRAPLINE

TECHNICAL SHEETS

PITCH DECK

CAPABILITY STATEMENT

EVENT MANAGEMENT

FORMS

SOCIAL MEDIA MANAGEMENT

BUSINESS CARDS

LOGO

CASE STUDIES

EMAIL BANNER

CERTIFICATES

ARTICLES

OUR STORY...

Are you a part of the leaders in our fast-paced industry? An engineer, programmer, technician, or even a strategist? If so, I know that you persona is truly one of a kind. There's no beating around the bush or unnecessary fluff in our conversations. We get straight to the point, speak with honesty and bluntness, and that's what we love about it.

In the automation, engineering, and construction industry, there's no room for BS. We know that time is precious, and we value efficiency in every aspect. From tackling complex processes to delivering exceptional results, engineers never shy away from the truth. This mindset is not limited to our daily work; it extends to our marketing efforts as well.

When it comes to B2B marketing, the audience in our industry is well-informed. They don't require schooling; they seek specific details about our services/products.

They want to know the nitty-gritty, the technicalities, the profitability, and how it can benefit their projects. We understand their needs, and we meet them head-on with transparency and a focus on delivering value.

We'll do the same for you, with foundation of trust, expertise, and shared triumphs, we embrace the honourable persona of engineers.



SERVING YOU AT AR & ASSOCIATES...



Serving You at AR & Associates, our philosophy is built around being team players, who are flexible to the needs of each individual client, to truly understand you and your culture.

Our speciality is narrative marketing, design, promotions, and events, but in saying that, we are also experienced and well-versed in various tailored plan that will ensure the results and return on investment that you are looking for.

Our focus on proactive relationship marketing and delivering visibility and exposure to your desired target audience, creating you as the authority with our key focus on improving your sales and helping your business grow.

We believe in the ideology of traditional and modern-world digital blend of marketing. Both online presence and physical marketing is important to maintain your company's reputation. Through sales funnels that wraps around brand awareness and public relation, we drive ourselves to become the 'king-maker' of the industry. Building your image and ensuring you become a leading company, ahead of your competitors.



DESIGN FOR DIGITAL & PRINT

NEWS LETTERS

We craft newsletters for companies like *Ti2* and the *PROFIBUS* Association, delivering key industry updates and insights. Our content ensures your audience stays informed and engaged.



EVENT MATERIALS

We design impactful event materials for associations & corporates like IICA, Ampcontrol, PAANZ, and Sydney Water. From tech event flyers to promotional content, our creations ensure your events stand out and resonate with your audience.



SYDNEY TECHNICAL TOUR OF NORTH HEAD WATER RESOURCE RECOVERY FACILITY

The North Head Water Resource Recovery Facility is one of 29 water resource recovery facilities in Greater Sydney. It is where the water is treated to a primary standard before releasing it to the ocean via a deepwater ocean outfall which includes continuous monitoring and regular tests done to check for any impact on the marine environment.

Discover how the plant's efficiencies save 1.8m litres of drinking water a day by using recycled water for purposes such as cooling, odour treatment and washing filters. How they have worked to improve water quality in Sydney Harbour. In the Northside Storage Tunnel, which starts 40m below sea level west of the river Lane Cove and ends 100m below sea level at the wet well at North Head STP.

You will learn about the plant's innovative hydro-electric generator and a co-generation plant, which uses methane gas generated during the production of biosolids. Up to 63% of the electricity used at the plant can be saved each day through these processes.

See all the process units of one of the largest primary treatment plants in the world. Processes like screening, dewatering, large above ground digesters, biosolids dewatering and out loading, both chemical and bacterial odour scrubbing, as well as excess gas burners.

And finally, the plant's hybrid SCADA (Siemens S7-400 based PLC/Schneider ClearSCADA interface) will be discussed by the host as well as the suitability of using sophisticated communications in a corrosive atmosphere.

In collaboration with Sydney Water, the IICA invites you to join us for a visit to the North Head Water Treatment Plant and venture within the tunnel for a full exclusive tour of the operations of this plant.

Followed by opportunity to network and Q&A session.

Friday, 8th September
7:30 AM - 9:30 AM
 North Head Wastewater Treatment Plant,
 2 Bluefish Dr,
 Manly, NSW 2095

Members complimentary
 Non members \$25 pp
 Please register early to guarantee your place. Places are limited.

RESMED FACILITY TOUR: DISCOVERING INNOVATION IN RESPIRATORY HEALTHCARE

RESMED, 1 ELIZABETH MACARTHUR DRIVE, BELLA VISTA, NSW 2153

19 OCTOBER 2023
8:30AM - 10:30AM

REGISTER NOW

CONTACT
 ELLA, IICA NSW
 0480 217 580
 nsw@iica.org.au

Members are complimentary and \$25 for non-members.
www.iica.org.au

SEE
 SEE why ResMed is a global leader in the development, manufacturing, and marketing of innovative medical products for respiratory disorders.

DISCOVER
 DISCOVER the manufacturing process of life-saving medical devices that meet the worldwide demand. Witness firsthand the advanced automated manufacturing technology that enables ResMed to stay competitive and serve millions of customers worldwide.

LISTEN / HEAR
 LISTEN to how ResMed's automated manufacturing technology aligns with their guided environmental policy, promoting waste and pollution reduction, the use of reduced-impact materials, and fair labour practices globally.

This event promises valuable insights into ResMed's contributions to the healthcare industry and its commitment to sustainability and responsible manufacturing practices.

IICA TECHNICAL EVENTS

AMPCONTROL FACILITIES WELSHPOOL TOUR

Ampcontrol is a leading provider of integrated electrical and electronic technology equipment with a focus on specialist Power & Automation projects across the resourcing, infrastructure, and renewables sectors.

If you're interested in learning more about this innovative company, be sure to join us on Thursday, July 20th, for an exclusive tour of Ampcontrol Facilities Welshpool.

During the event, you will get to see some of the Stand Alone Power System solutions that this Renewables division of Ampcontrol have been working on and also chat to some of the Team about this division along with the other divisions of Ampcontrol across the country.

The tour will include an overview of the Welshpool Capabilities and a Q&A session afterwards where you can learn more about the innovative solutions and ask any questions you may have.

You'll also have an opportunity to network with like-minded professionals while enjoying food and drinks, making it the perfect opportunity to connect with others and stay up to date with the latest industry trends.

Thursday, 20th July, 2023
 6:00 pm - 8:00 pm

41a Kewdale Road Welshpool 6106 AUSTRALIA

INTERNATIONAL ORGANIZATION OF STANDARDIZATION

ISO: TC199 SAFETY OF MACHINERY

Newly Revised Machinery safety standards and their applications

DAY ONE TOPICS:
 Welcome / Safety Information / Admin Issues
 Safety of Machinery - Safety related parts
 Safety of Machinery - Interlocking device
 Safety of Machinery - Minimum separation distances
 Safety of Machinery - Whole body access

DAY TWO TOPICS:
 Robotics / Safety Information / Industrial Robots
 Industrial trucks:
 Safety requirements - Driverless trucks
 Safety of Machinery - Integration of machinery
 Safety of Machinery - Security Aspects

SYDNEY 20-21 NOVEMBER 2023
MELBOURNE 22-23 NOVEMBER 2023

www.iso.org

Industry networking breakfast: opportunity to meet and get involved in a sustainable future

Date & Time: 6th May 9:30am for an 8am start to 10:30am finish
 Venue: Strathfield Golf Club, 52 Weeroona Road, Strathfield
 Cost: for members \$40 for non \$80

Wodek Jakubik Innovations Manager
Chandresh Wadhwana Business Development Manager

Hear from Wodek and Chandresh as they share with you the plans for Coregas to provide renewable gas for industry, domestic, transport and energy storage.

Sean Stove
 Head for E-Mobility Division, ABB Australia
 Sean will present to you about sustainable transport and the future of smart mobility.

Greg McGarvie
 Director of ACE EV
 Greg will focus on his project to roll out EVs through his collaboration with local governments and his launch of EMMA (Electric Mobility Manufacturers Australia) and with its prime objective to encourage EV manufacturing in Australia, working toward a zero emission future.

PROFIBUS Association of Australia & New Zealand

STANDARD OF EXCELLENCE

Globally advancing industrial automation with core technologies and expert support.

NETWORK

- Connect with industry leaders, system integrators & automation experts
- Attend exclusive expos, seminars, conferences & training events
- Gain visibility through our member directory & product finder
- Collaborate with a global community shaping the future of industrial automation

MEMBERSHIP BENEFITS

Access to Information

- Technical resources, specifications & guidelines
- PROFINET updates & industry insights
- Training & certification opportunities

MEMBERSHIP

| | | |
|---|---|--|
| MANUFACTURER | VENDOR | END USER |
| Full access to PI resources, branding rights, and certification support | Technical documentation, marketing exposure & event discounts | Essential technical resources & networking opportunities |

CONNECTING INDUSTRY IICA TECHNOLOGY EXPO SYDNEY 2024

Where innovation converges with expertise to shape the future of Automation, Instrumentation, and Process Control in Industry 4.0.

Wednesday, 28 August
Rosehill Gardens Racecourse
12:00pm to 6:00pm

Sponsored by:

General Exhibitors:

www.iica.org.au

Don't miss this exclusive opportunity to be part of the evolution of Industry 4.0. Join us at the IICA Expo for an experience that promises to redefine the boundaries of technological excellence for smart factory performance.



CONNECTING INDUSTRY IICA TECHNOLOGY EXPO

THURSDAY, 7 March 2024
NEWCASTLE

CLICK ON THE BANNER TO FIND OUT MORE

iba

iba System

See the big picture
Get 360° Transparency with the iba system

The iba system for process data acquisition and analysis consists of perfectly adjusted hardware and software components for acquiring, recording, analyzing and processing measurement data.

Due to the modular design and the simple configuration, the iba system can be adapted comfortably to the various tasks and is scalable in size at any time.

BUSINESS BENEFITS

- Enhanced productivity
- Reduced plant downtimes
- Saved energy and raw materials
- Improved and documented product quality
- Prevention of critical plant conditions

+61 (2) 4964 8548
iba@iba-oceania.com
14 Laverick Avenue, Tomago, NSW 2322

www.iba-oceania.com

KINEM
ROBOTICS

REDEFINING
POSSIBILITIES
FOR A RESILIENT
FUTURE

Empowering Australia's Defence Sector:
Helping elevate sovereign capabilities, through
homegrown R&D and disruptive technology.

SERVICES

- Unconventional Robotics Development
- PLC Programming
- AI Systems

IICA INSTITUTE OF INSTRUMENTATION
CONTROL AND AUTOMATION

WELCOME
CONNECTING
INDUSTRY

INSTRUMENTATION

CONTROL

AUTOMATION

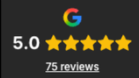
1300 781 715
admin@iica.org.au
PO Box 366, Port Melbourne Vic 3207 Australia

www.iica.org.au/



FLYERS, BROCHURES AND BANNERS

We create high-quality promotional materials and design professional banners for companies like iba, KINEM Robotics, Tiz, and IICA. Our work enhances your brand presence and ensures your message is effectively communicated.



Helping engineering and construction businesses optimise their customer journey for sales and marketing efficiency

- 1 Get the right enquiries
- 2 Sell more efficiently
- 3 Maximise your profit margin

BOOK A SALES, MARKETING FUNNEL AND CUSTOMER JOURNEY MAPPING WORKSHOP.



LOOPLI.COM.AU
(02) 4404 4211



WEBSITES | MARKETING | SALES SYSTEMS
STRATEGY | DIGITAL PROJECT MANAGEMENT



LOOPLI



Helping engineering and construction businesses optimise their customer journey for sales and marketing efficiency



- 1 Get the right enquiries
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- 3 Maximise your profit margin

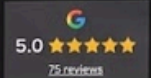
BOOK A SALES, MARKETING FUNNEL AND CUSTOMER JOURNEY MAPPING WORKSHOP.



LOOPLI.COM.AU
(02) 4404 4211



WEBSITES | MARKETING | SALES SYSTEMS | STRATEGY | DIGITAL PROJECT MANAGEMENT



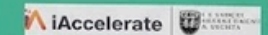
Helping engineering and construction businesses optimise their customer journey for sales and marketing efficiency

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BOOK A SALES, MARKETING FUNNEL AND CUSTOMER JOURNEY MAPPING WORKSHOP.



LOOPLI.COM.AU
(02) 4404 4211



WEBSITES | MARKETING | SALES SYSTEMS
STRATEGY | DIGITAL PROJECT MANAGEMENT



[Ti²] PROFIBUS & PROFINET SOLUTIONS

The Ti² Group offers you the very best in industrial products and solutions for your Automation Industry 4.0 requirements.

Automation Products | Engineering Services | Electronics Development | Testing | R&D

sales@ti2.com.au
www.ti2.com.au

Partners: B+, CODESYS, ELGENS, Helmholz, janztec, od+t, softbag

- Connectors**
 - Quick Connect
 - Angled
 - Diagnostics
- Remote I/O**
- Couplers, Repeaters, Switches**
- Upgrades**
 - PROFINET to PROFINET
 - EtherCAT to EtherCAT
 - ModbusTCP to ModbusTCP
- Motion Control**
 - PROFINET
 - EtherCAT
- Diagnostics + Certification**
- Gateways + Converters**
- Controllers + PLC's**

We support all other modern industrial Protocols and Standards, including Modbus, EtherNet/IP, EtherCAT, OPC, MQTT, and IEC61131. We are the official Channel Partner for CODESYS in Australia.

[Ti²] FEATURED PRODUCTS

- Softing Profibus Tester PB-TS**

The PROFIBUS Tester 2 (PB-TS) is a powerful diagnostic and troubleshooting tool for testing the cables, checking the signals and analyzing the communication of PROFIBUS networks.

It is history-oriented and provides a graphical display allowing for quick results when working in identification mode. Additionally, the PROFIBUS PA network can be analyzed. In addition, the PROFIBUS Tester 2 supports the export of test results for advanced analysis.
- Softing pnGATE PA/PB**

With pnGATE PA, it is possible to integrate up to 2 PROFIBUS PA segments and 1 PROFIBUS DP segment into a single system using virtual mapping.

With pnGATE PB, engineering tools can be reduced by using existing power connections in technology upgrade projects. It offers 50 redundancy and enables configuration, parameterization, and plant asset management using standard industry tools. The device supports major PROFINET engineering tools such as TIA Portal, Step7, and PC Configuration, allowing its use in FC200M trace applications.
- Softing mobilLink**

mobilLink is a mobile and a USB interface for HART FOUNDATION Profibus and PROFINET PA. The Bluetooth and battery operation enables it to be used with handheld PDA devices such as tablets and smartphones.

mobilLink can be used in a variety of applications where it is compatible with PDI Frame applications and other major engineering tools. Additionally, it is tested for harsh environment (approved by IEC60068 and IEC 60721).

Softing dataFEED OPC Suite

dataFEED OPC Suite is a powerful tool for data acquisition and analysis. It supports various OPC servers and clients, including OPC UA, OPC DA, and OPC HDA. The suite includes a central data processing engine and a flexible reporting system.

We support all other modern industrial Protocols and Standards, including Modbus, EtherNet/IP, EtherCAT, OPC, MQTT, and IEC61131. We are the official Channel Partner for CODESYS in Australia.

soft bag

NOW COMES WITH 3-YEARS OF WARRANTY FOR A LIMITED TIME ONLY

with purchase of

WireXpert series 500 | 500PLUS | 4500

NetXpert XG2 series 2.5/5G | 10G | PLUS

WireXpert + fiber test kits SM | MMEF | Quad

FREE UPGRADE TO WIREXPART 500-PLUS

from WireXpert 500-CU with purchase of any Fiber Optic Test Kits

Terms and conditions apply. Promotion ends 31 December 2022.

[Ti²]



MREC

We also create MREC (Medium Rectangle) ads, designing eye-catching digital advertisements that effectively promote your brand and offerings across online platforms.

IICA TECHNOLOGY EXPOS COMING UP www.iica.org.au

FOCUSING ON INSTRUMENTATION, CONTROL & AUTOMATION.

SYDNEY (NSW) 13 August 2025 **MELBOURNE (VIC)** 26 August 2025

IICA **SYDNEY (NSW)** 13 August 2025

UPCOMING INSTRUMENTATION, CONTROL AND AUTOMATION EXPOS

MELBOURNE (VIC) 26 August 2025

IICA **MARVEL STADIUM MELBOURNE** 14 AUGUST 2024

TECHNOLOGY EXPOS COMING UP

ROSEHILL RACECOURSE SYDNEY 28 AUGUST 2024

IICA TECHNOLOGY EXPOS COMING UP www.iica.org.au

FOCUSING ON INSTRUMENTATION, CONTROL & AUTOMATION.

PERTH (WA) 14 May 2025 **BRISBANE (QLD)** 17 June 2025

WOLLONGONG (NSW) 3 June 2025

OTHER PROMOTIONAL MATERIALS

We also design custom branded items, uniforms, giveaways, display items to enhance your brand's presence at events and in the workplace. Our designs are tailored to reflect your brand identity effectively.

Examples here; a mouse mat and below the trestle cover for iba Oceania.





EXPO STALL DESIGNS

We design eye-catching expo stall elements like table panels, end graphics, and wall panels, as showcased in our work for 3ME. Our designs ensure your brand stands out and leaves a lasting impression.



EMAIL BANNERS



We design professional email signatures, ensuring a polished and consistent brand identity in digital communications. This designs are used to enhance digital communications and brand visibility.

3ME
TECHNOLOGY
TOUGH ELECTRIC

36 Munibung Rd, Cardiff, NSW 2285

1300 483 043

<https://3me.technology/>

<https://www.linkedin.com/company/3metech>

Ozwater'24
Accelerating Action

8.30am to 5.30pm • 30 April - 2 May, 2024
Melbourne Convention and Exhibition Centre
1 Convention Centre Pl, South Wharf VIC 3006

CONTACT US:
+61 (0)2 9526 1544
[ebro-armaturen.com](mailto:sales@ebro-armaturen.com)
sales@ebro-armaturen.com.au

EBRO ARMATUREN Pacific PTY. Ltd.
2/6 Northumberland Road
Caringbah NSW 2229

Stand # H22

[CLICK HERE](#)

Australian Water Ozwater

STEAM CONTROL & DECARBONISATION THROUGH ELECTRIFICATION

DEMO 3:30PM

- Tighter process control
- Electrification-ready
- Reduced maintenance and downtime
- Scalable for diverse applications

THURSDAY, 13 March
12:00pm to 6:00pm
Technology expo
Newcastle Jockey Club



SAMSON

[CLICK HERE](#)

Upcoming Training

UPSKILL WITH CERTIFIED COURSES FROM PAANZ

Hands-on. Certified. Industry-ready.



@ NEWCASTLE EXPO 2025

[CLICK HERE](#)

THURSDAY, 13 March | @ Newcastle Jockey Club | 12:00pm to 6:00pm

- Sydney | 5 - 6 May
- Perth | 8 - 9 May
- Perth | 12 - 13 May
- Perth | 14 - 15 May
- Adelaide | 8 - 9 September
- Adelaide | 10 - 11 September
- Adelaide | 12 - 13 September

Certified PROFIBUS Installer + Troubleshooting & Maintenance

9:00 AM - 5:00 PM Daily

iba
Oceania

[CLICK HERE](#)

Demo time: 3pm

@ NEWCASTLE EXPO 2025

THURSDAY, 13 March | @ Newcastle Jockey Club | 12:00pm to 6:00pm

2 DAYS

Certified PROFINET Installer with PROFINET Troubleshooting and Maintenance

- Perth | 1 - 2 September
- Perth | 3 - 4 September

9:00 AM - 5:00 PM Daily



PROMOTIONAL IMAGES

We create compelling promotional images for campaigns and weekly news. Our designs highlight key updates and announcements in a professional and visually engaging way, helping brands stay consistently represented.



IDW CAD/CAM SOLUTIONS
Australia's Official Value Added Reseller for TopSolid Mechanical CAD and CAM

TopSolid

**GRAB YOUR CHANCE TO WIN A V8 SUPERCAR
HOT LAP WITH SHELL V-POWER RACING TEAM
AND TOPSOLID**

Click here to book your complimentary demo

[Ti²]

Celebrating
25 YEARS
of Innovation

[Ti²]

Factory-Wide Automation and
Data Platform Upgrades

[Ti²]

iba
Oceania

NEWS

Real-Time Dashboards
and New Perspectives
on Time Periods

ibaDaVIS

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IS Systems
ENGINEERED INNOVATION

Driving Australia's
SMART WATER
FUTURE

The future of water is digital,
and it's robust engineering
that makes it real.

issystems.com.au

Hybrid and Off-Grid
Energy Projects

[Ti²]

Circular
Economy
in Action

[Ti²]

iOpen

Smarter Energy Monitoring
From Load to Cloud

EXOR

CORVINA CLOUD

www.iopen.com

[Ti²]

odot

Seamless Connectivity with
**High-Performance Bus &
Network Adaptors**

store.ti2.com.au



COURSE PROMOTIONAL MATERIAL

We design professional course promotional materials, including certificates that highlight achievements and enhance your educational offerings. Our materials are tailored to make a lasting impression.

PI PROFIBUS • PROFINET AUSTRALIA | NEW ZEALAND

PROFIBUS

IGNITE YOUR SKILLS WITH EXCLUSIVE FACE-TO-FACE TRAINING!

PI PROFIBUS • PROFINET AUSTRALIA | NEW ZEALAND

PROFIBUS PROFINET

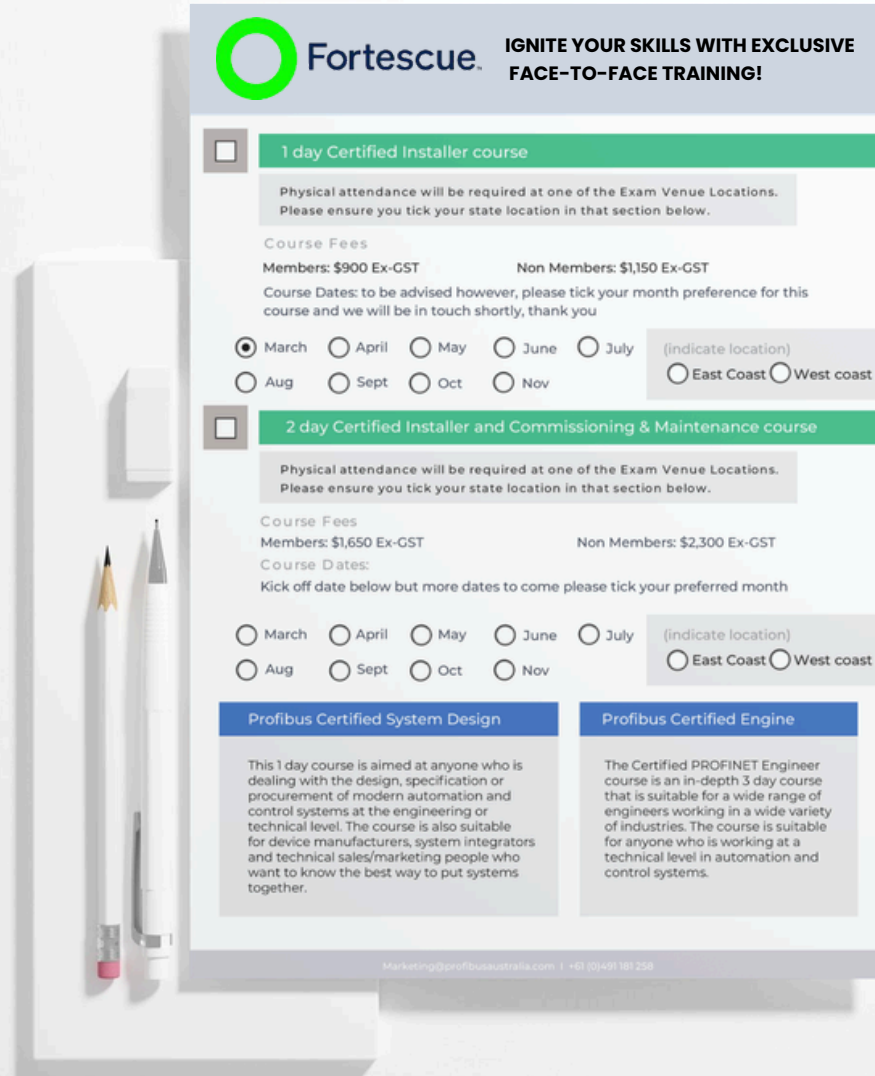
PROFIBUS Courses
ROLLING OUT ACROSS AUSTRALIA
AUGUST | SEPTEMBER
Spots left - on limited dates!

For more information, email us at marketing@profibus.org.au



FILLABLE FORMS

We create custom fillable forms, such as those designed for coordinating Protocol training and course registration. Our forms streamline processes and ensure efficient data collection.



Fortescue IGNITE YOUR SKILLS WITH EXCLUSIVE FACE-TO-FACE TRAINING!

1 day Certified Installer course

Physical attendance will be required at one of the Exam Venue Locations. Please ensure you tick your state location in that section below.

Course Fees
Members: \$900 Ex-GST Non Members: \$1,150 Ex-GST
Course Dates: to be advised however, please tick your month preference for this course and we will be in touch shortly, thank you

March April May June July (indicate location)
 Aug Sept Oct Nov East Coast West coast

2 day Certified Installer and Commissioning & Maintenance course

Physical attendance will be required at one of the Exam Venue Locations. Please ensure you tick your state location in that section below.

Course Fees
Members: \$1,650 Ex-GST Non Members: \$2,300 Ex-GST
Course Dates:
Kick off date below but more dates to come please tick your preferred month

March April May June July (indicate location)
 Aug Sept Oct Nov East Coast West coast

Profibus Certified System Design

This 1 day course is aimed at anyone who is dealing with the design, specification or procurement of modern automation and control systems at the engineering or technical level. The course is also suitable for device manufacturers, system integrators and technical sales/marketing people who want to know the best way to put systems together.

Profibus Certified Engine

The Certified PROFINET Engineer course is an in-depth 3 day course that is suitable for a wide range of engineers working in a wide variety of industries. The course is suitable for anyone who is working at a technical level in automation and control systems.

Marketing@profibusaustralia.com | +61 (0)491 181 258

CERTIFIED PROFIBUS/PROFINET TRAINING SCHEDULE MARK YOUR CALENDARS! **2026** **PI** PROFIBUS - PROFINET AUSTRALIA | NEW ZEALAND

PERSONAL INFORMATION

First Name: Last Name:

Company Name:

Address:

Suburb: Postcode:

Phone: Email:

Number of students: Member Status:

Terms:

All courses are only confirmed upon placement of a valid Company Purchase Order or advanced payment if the participant is privately registering.

If the course is cancelled by the participant or the participants Company, the following cancellation charges are applicable:

- Within 5 business days of course commencement, 100% payable
- Between 5-10 business days of course commencement, 50% payable
- Greater than 10 business days of course commencement, 25% payable

Last minute participant substitutions can be made without penalty

Please email completed registration forms to marketing@profibus.org.au

For any queries, please call **Ella Averill-Russell, Membership & Marketing Co-ordinator**, at **+61 (0)448 637 972**.

THANK YOU FOR YOUR INFORMATION Page 2



BRAND &
COMPANY
DESIGNS



KINEM
ROBOTICS

ADVANCED AND CUSTOM-DESIGNED
MADE ROBOTIC MACHINERY

INITIAL TARGET MARKET

SCALE OF OPPORTUNITY

The Australian government is investing heavily in autonomous and uncrewed systems, including armed systems, with expenditures projected to exceed \$10 billion as part of a comprehensive defence capability enhancement plan.

Australian robotics market size: 237.90 million, with a compound annual growth rate (CAGR) of 25.64% expected through 2030.

MACRO OPPORTUNITY

The Asia-Pacific defense robotics market is expected to reach \$87.2 billion by 2032 with a compound annual growth rate (CAGR) of 12.8%.

OUR SECTOR FOCUS

The global defence robotics market is expected to reach USD 36000 million in 2032, exhibiting a CAGR of 7.73%

GLOBAL NON-INDUSTRIAL ROBOTICS MARKET REVENUE 2019-2025

By 2025, the global non-industrial robotics market size is slated to exceed 230 billion U.S. dollars.

GLOBAL AUTONOMOUS MOBILE ROBOT MARKET SIZE 2016-2028

The market is expected to grow at a compound annual growth rate (CAGR) of around 23 percent, reaching the size of over 10.5 billion U.S. dollars by 2028.

North America had the largest share of the mobile robot market in 2017, standing at 913.7 million U.S. dollars. Such robots have a wide range of uses in the military and various industries, including health services or the logistics industry. The Asian-Pacific region will be the fastest growing market between 2018 and 2023, surpassing 2.4 billion U.S. dollars in 2023.

GLOBAL OPPORTUNITY

OUR BUSINESS/TECHNOLOGY

KINEM Robotics is a Perth-based bespoke R&D-focused consultancy dedicated to creating advanced and custom-designed and made robotic machinery.

Through innovative R&D of advanced and custom-made robotic machinery, we provide tailored advisory solutions that enhance applications in the agriculture, defence, emergency and disaster response, law enforcement, mining, and subsea domains.

SERVICES

MECHATRONICS PROJECT PLANNING

Complex mechatronic devices data calculations and automation products' selection.

UNCONVENTIONAL ROBOTICS DEVELOPMENT

modern autonomous machinery development for challenging applications and dangerous environments

PLC PROGRAMMING

Machinery logic programming with CODESYS development environment, according to the international industrial standard IEC 61131-3

AI SYSTEMS:

autonomous machinery to perception, reasoning, and smart interaction with other machines (swarm behavior) as well as the environment.

PITCH DECK

We create pitch decks, including sample pages like those developed for KINEM Robotics, to effectively present your vision, products, and services to potential investors and partners. Our designs are tailored to make a compelling impact.



CORPORATE PRESENTATIONS

We create professional company presentations, like the one developed for PAANZ and Ti2, to clearly communicate your mission, offerings, and industry value. Our designs are structured to engage your audience and reflect your brand with clarity and impact.



BUSINESS CARDS

We also design business cards, with examples including those crafted for iba, Tiz, and IICA. Our business cards are professional and visually appealing, leaving a lasting impression.



CAPABILITY STATEMENT

We created a capability statement for companies, highlighting their engineering expertise, innovative solutions, and comprehensive services across various industries. This document effectively showcases their strengths and capabilities to potential clients and partners.

Investment in 3ME Technology

3ME Technology charged for growth with \$21 million investment

In October 2021, The Australian Business Growth Fund (ABGF) and Clean Energy Finance Corporation (CEFC) invested \$21 million in 3ME Technology by way of a convertible note, with ABGF committing \$15 million, CEFC committing \$5 million and a family office committing \$1 million.

Project, Government & Industry Funding

Accelerating Commercialisation: \$800,000

- ACARP: \$100,000
- METS Ignited: \$700,000

Latest Capital Raising: \$21m of Growth Capital

- Australian Business Growth Fund
- Clean Energy Finance Corporation

Latest Government & Industry Funding

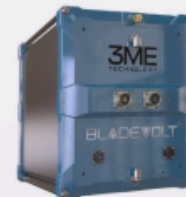
- NSW Gov, Regional Job Creation Fund (RJCF): \$4m
- ACARP: \$2.26m (follow on)
- METS Ignited: \$500,000 (follow on)

As part of the transaction, 3ME Technology appointed to its board, representatives from both ABGF and CEFC to provide strategic advice on its path to commercialisation and access to both investors' vast network in the clean energy and resources markets.

The growth capital from ABGF and CEFC has enabled 3ME to continue to commercialise and be a market-leading innovator in developing technology for its target markets and accelerate Australia's sovereign onshore battery manufacturing capabilities.

Product Lifecycle

Bladevolt[®] embodies sustainable building principles and smart design innovations. Our Blades boast unique features that facilitate efficient operation and streamlined testing processes. Encased in recyclable aluminium, our Blades are designed for easy redeployment in Static Energy Solutions, thus extending their lifespan beyond initial use and supporting grid power storage and green energy initiatives on various sites.



3ME Technology's design avoids permanent fixtures and markings on chemical cells, promoting sustainability and minimising warranty risk and thermal runaway incidents. We're actively pursuing local recycling partnerships to improve solar farm recycling, targeting an 80-90% recycling efficiency at end-of-life.





📍 14A Laverick Avenue
Tomago, NSW 2322

☎️ (02) 4964 8548 // 0447 265 359

✉️ niel.mukherjee@issystems.com.au

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Get 360° Transparency with the iba System

iba Oceania Capability Statement

www.iba-oceania.com

iba

Core Competencies:

iba Systems specialises in the development and deployment of the iba system, which includes hardware and software components for process data acquisition and analysis. The modular design and simple configuration of the iba system allow it to adapt comfortably to various tasks, making it scalable in size at any time.

Key competencies include:

- Enhanced productivity** (Icon: Gear and bar chart)
- Reduced plant downtimes** (Icon: Gear with red X)
- Improved and documented product quality** (Icon: Star in a circle)
- Saved energy and raw materials** (Icon: Dollar sign in a green circle)
- Prevention of critical plant conditions** (Icon: Checkmark in a shield)

TECHNICAL SHEETS



We specialise in creating comprehensive product technical sheets, such as those developed for 3ME. These documents provide in-depth information on product specifications, features, and benefits, ensuring that your customers and stakeholders have a clear understanding of your offerings. Our technical sheets are designed to enhance product communication and support informed decision-making.



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+



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PROFIBUS is a standardized, open, digital communications system for all areas of application in manufacturing and process automation.



PROFINET

PROFINET is the innovative open standard for Industrial Ethernet. It satisfies all requirements of automation technology.



IO-LINK

IO-LINK is an independent sensor / actuator interface solution for use with with all automation technologies

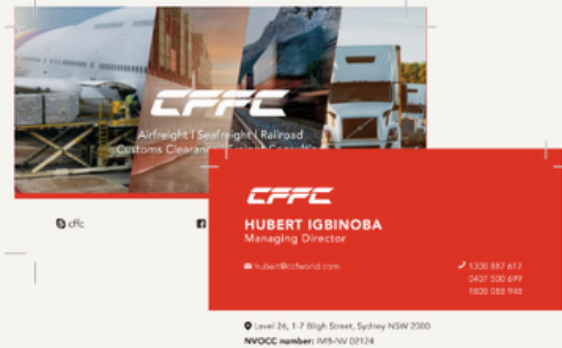


RE-BRANDING & MARKETING
& EVENT MGMT FOR THE
PROFIBUS ASSOCIATION



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BRANDING & WEB DESIGN FOR ELIZABETH'S CENTRE

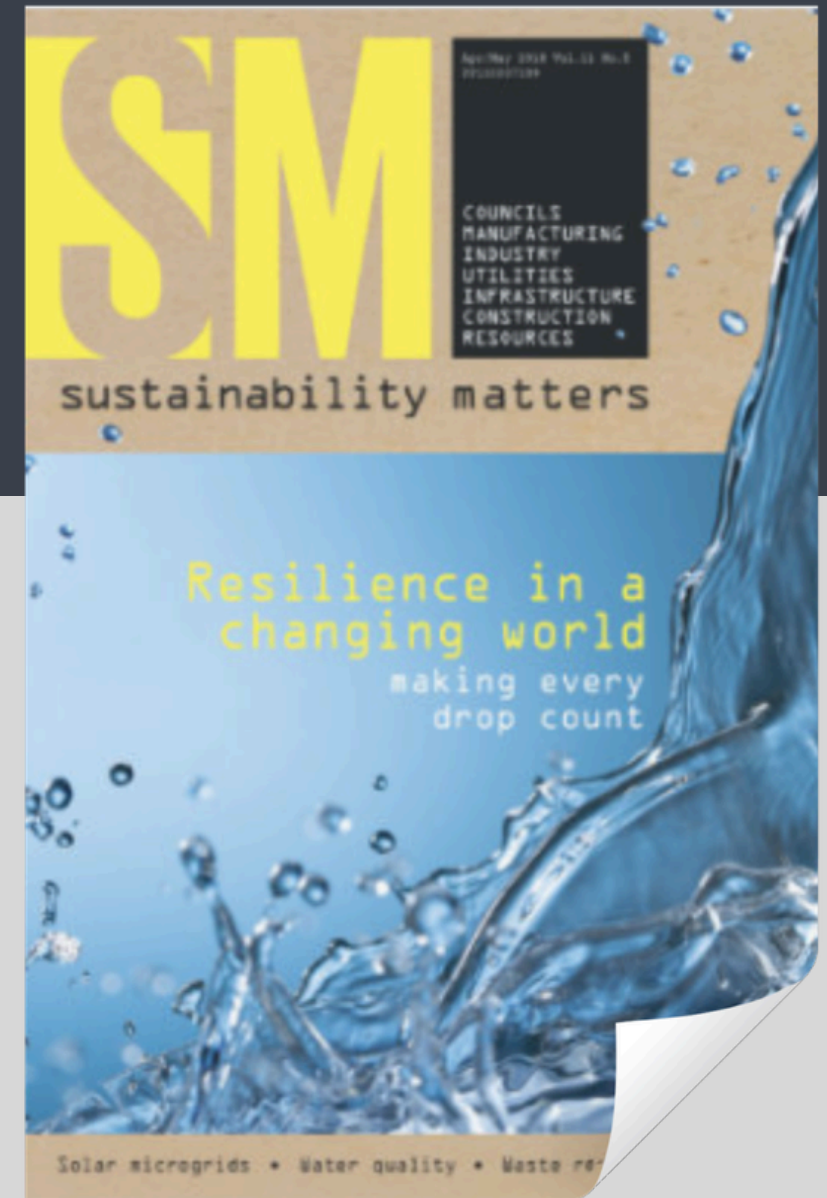


CONTENT FOR
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INDUSTRY PRESS & PROMOTIONAL CAMPAIGNS

We create complimentary case studies, that showcases our clients achievements and commitment to sustainability. Our case studies highlight key successes and innovations.

[Click here to read.](#)





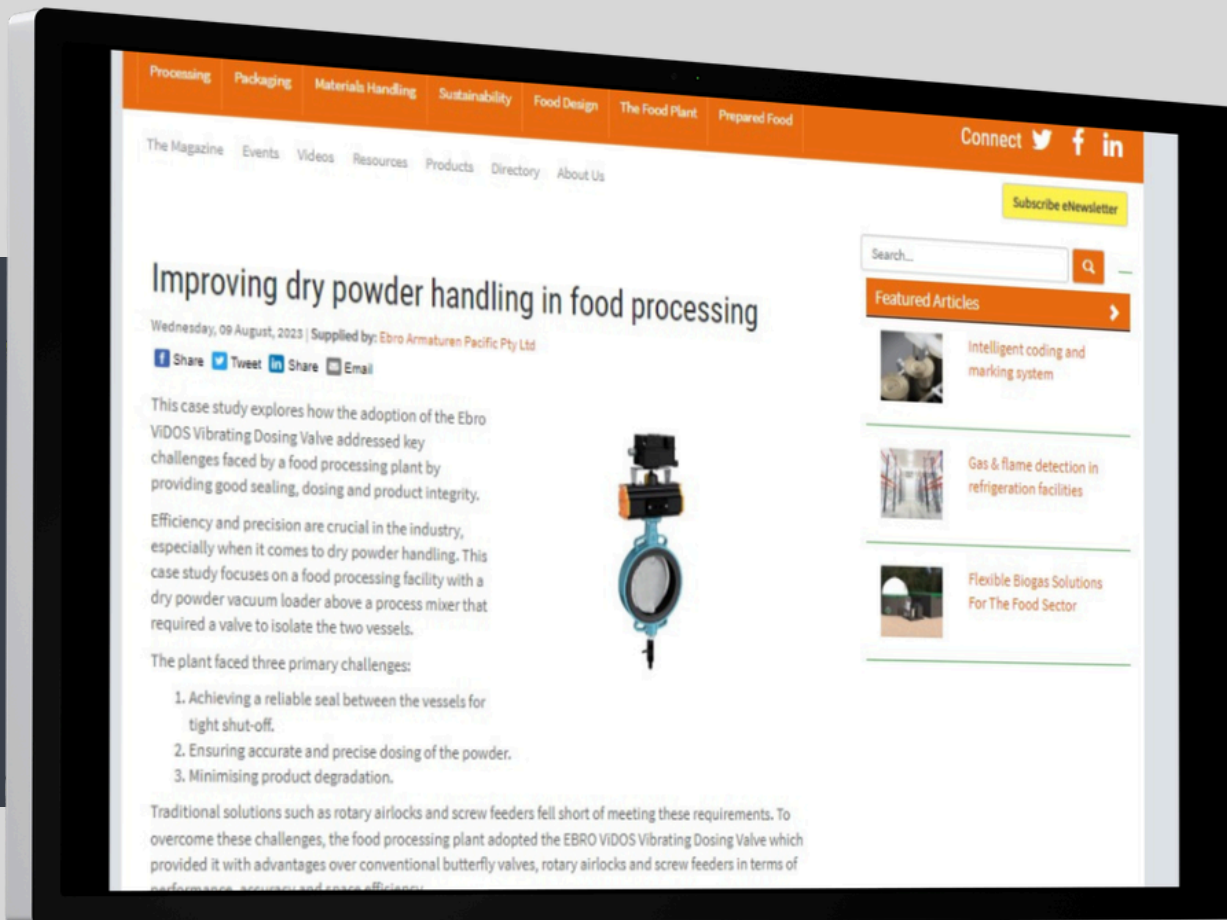
VIDEO PROMOTION

We produce promotional videos for companies like Tiz, designed to spotlight their partners, services, and industry leadership. The video effectively captures the essence of their brand and presence at key industry events.



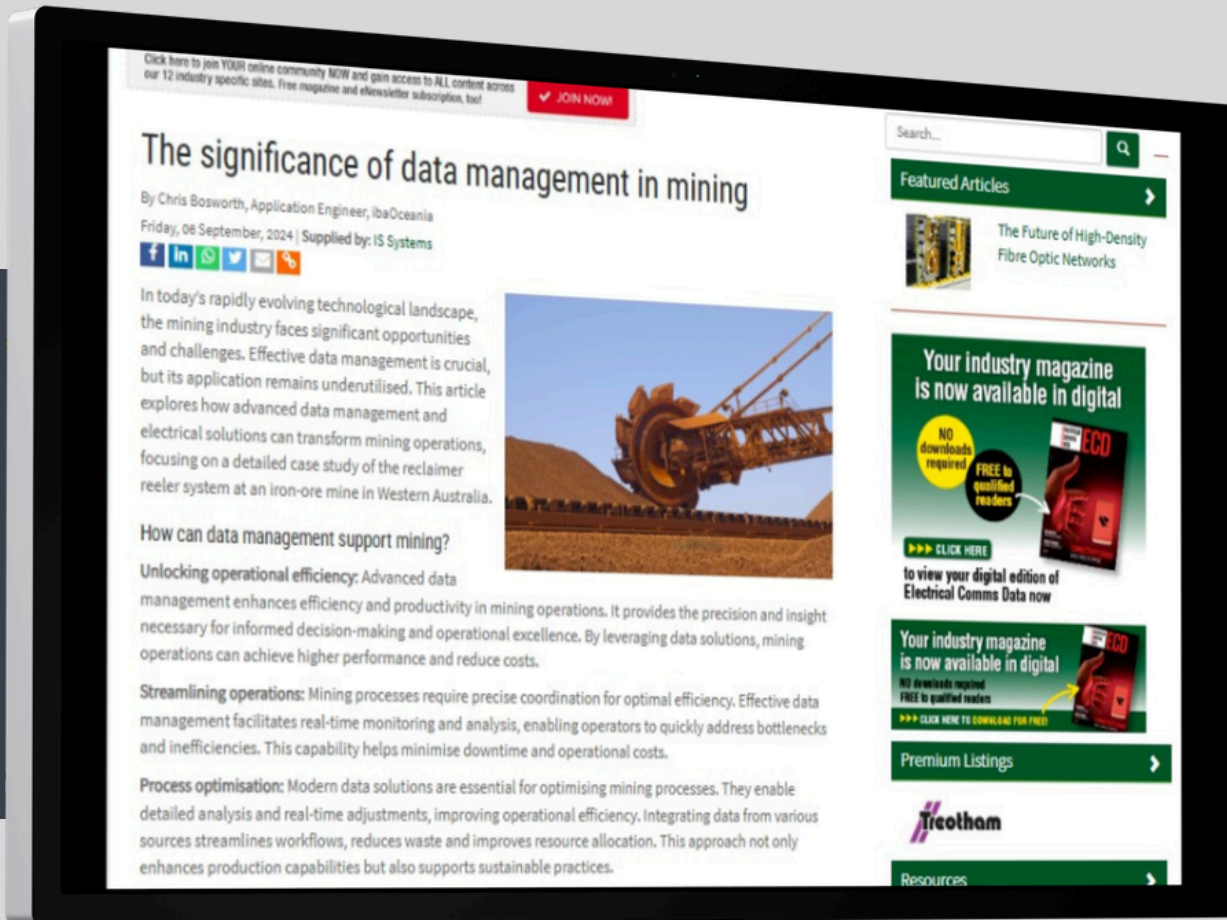
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Foodtech Packtech 2023 in Auckland



At a glance
Foodtech Packtech 2023
 19-21 September
 Auckland Showgrounds
www.foodtechpacktech.co.nz

Everything from packaging, food processing equipment, ingredients, food safety and sustainability will be on show 19-21 September at Foodtech Packtech 2023.

Hold at the Auckland Showgrounds, the event will include over 225 exhibitors showcasing most processing equipment, food-grade hydraulic presses, flexible packaging options, food processing equipment, precision instruments for weighing — and that's just a start!

The event also features a new food ingredients area called The Pantry, which includes exhibitors such as ICMD, Formula Foods and Carni Flavours.

Of course, the event is not just about showcasing new technology and products. It's also an opportunity to learn and collaborate with industry peers. There will be seminars and workshops across the three days covering all the show's

categories, providing an immersive platform for attendees to learn about the latest advancements in food technology and to collaborate on solutions that will shape the future of the industry.

The What's New in Food Technology & Manufacturing team will also be on hand to talk with exhibitors and industry visitors face to face on stand 3162.

Organised by XPO Exhibitions, Foodtech Packtech featuring the Materials Handling & Logistics Expo runs from 19-21 September at the Auckland Showgrounds.

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FOODTECH PACKTECH



STAND 3042 Metal detector

Eriez Xtreme Metal Detectors are highly sensitive to detect small ferrous and nonferrous metal contaminants such as needles, scale, rust, nails, clips, bolts, nuts, staples, stainless steel, aluminum and copper alloys in loose or free-fall food processing systems and final packaged food lines. The unit is designed to detect metal contaminants throughout the manufacturing process, from the moment ingredients enter the processing plant until the product is shipped.

The metal detector has an easy-to-use touchscreen interface, intuitive product set-up and reporting, multiple USB and interface ports, and remote access, all contained in the standard IP69 high-pressure washdown design.

The equipment complies with food safety standards and is suitable for any industry, especially food, packaging, plastics, pharmaceuticals, rubber, chemical and more. Eriez has units of various heights and widths available for quick shipment from its global manufacturing centres. In addition to standard models, the company has custom designs to meet users' unique application needs.

Eriez will exhibit at Foodtech Packtech in Auckland from 19-21 September 2023 at stand 3042.

Eriez Magnetics Pty Ltd
www.eriez.com.au

CASE STUDY

STAND 3137

Improving dry powder handling in food processing



This case study explores how the adoption of the Ebro VIDOS Vibrating Dosing Valve addressed key challenges faced by a food processing plant by providing good sealing, dosing and product integrity.

Efficiency and precision are crucial in the industry, especially when it comes to dry powder handling. This case study focuses on a food processing facility with a dry powder vacuum loader above a process mixer that required a valve to isolate the two vessels.

The plant faced three primary challenges:

1. Achieving a reliable seal between the vessels for tight shut-off.
2. Ensuring accurate and precise dosing of the powder.

3. Minimising product degradation.

Traditional solutions such as rotary airlocks and screw feeders fell short of meeting these requirements. To overcome these challenges, the food processing plant adopted the Ebro VIDOS Vibrating Dosing Valve which provided it with advantages over conventional butterfly valves, rotary airlocks and screw feeders in terms of performance, accuracy and space efficiency.

The solution provides compact dimensions without compromising accuracy or repeatability. Its integration of a 4-20 mA positioner and a mounted vibrator allowed controlled flow at low feed rates and precise filling of containers.

Ebro Amaturen Pacific Pty Ltd
www.ebro-amaturen.com.au

[Click here to read](#)

September/October 2023
Vol 31 No 4

what's new in **FOOD** technology & manufacturing

TWO SERVES OF VEGGIES WITH YOUR ICE CREAM

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AMW 2024 PREVIEW
Construction & Infrastructure
State Spotlight: South Australia

Exploring the Role of ISVs in Industrial Automation

The significance of selecting the right software in our technologically advancing world is paramount. As Patrick van Eybergen of TIZ explains, businesses navigate the complexities of improving productivity and embracing environmental benefits, the choice between vendor-dependent services and Independent Software Vendors (ISVs) becomes crucial.

1. Definition of an ISV

Unlike vendor-dependent solutions, ISVs are not confined to specific hardware or software integrations, allowing them to develop solutions compatible with various operating systems, databases, and hardware platforms. ISVs range from small startups to large enterprises, offering a diverse array of software solutions tailored to specific industries and business functions.

2. Considerations in Project Design

When initiating new projects, it is essential to consider open-standard fieldbus options, hardware-independent programming environments, and universally supported and secure communication protocols. Utilising open fieldbus standards such as Profibus/Profinet, EtherNet/IP, DeviceNet, EtherCAT, Modbus (TCP and RTU), IO-Link, and more provides flexibility in vendor selection while ensuring robust features and secure data transmission.

Advantages of Choosing an ISV

1. Customisation

ISVs excel in providing customised software solutions, catering to the unique needs of each customer. In contrast to vendor-dependent services offering off-the-shelf products, ISVs leverage their knowledge and experience to understand specific industry requirements, delivering bespoke platforms for optimised business processes. This collaboration allows businesses to gain a competitive edge by tailoring software solutions to their exact specifications.

2. Programming Standards (IEC61131-3)

Selecting IEC61131-3 compliant programming tools is crucial for seamless transitions between compliant software options, ensuring long-term flexibility. Different programming languages like Ladder Logic, Sequential Flow Charts, and Structured Text cater to varied control requirements, providing adaptability and ease of use. Choosing a hardware vendor neutral programming environment facilitates cost-effective transitions between PLC vendors, while open standard communication protocols prevent vendor lock-in.

3. Flexibility

Flexibility Unleashed ISVs liberate businesses from the shackles of specific hardware or software platforms, enabling them to cherry-pick the most suitable solutions without constraints. This flexibility fuels growth and adaptation, allowing businesses to scale quickly without overhaul constraints.

4. Expertise

Expertise Amplified Harnessing specialised knowledge, ISVs tackle industry-specific challenges with finesse, enhancing process efficiency and productivity. Their expertise fuels ongoing support and maintenance, ensuring software solutions remain robust and reliable through continuous updates.

5. Competitive Pricing

ISVs provide competitive pricing models, deviating from the license or subscription demands of vendor-dependent services. Flexible pricing options, such as per-user or per-device models, empower businesses to control costs and avoid expensive long-term contracts. Volume discounts further make software solutions affordable for large-scale deployments, fostering economies of scale.



6. Innovation

ISVs focus on continuous innovation, leveraging the latest technological advances to develop cutting-edge solutions. Unbound by specific hardware or software platforms, ISVs provide businesses with a competitive edge by offering advanced tools and techniques. Collaborating with ISVs ensures access to the latest advancements, keeping businesses ahead of the competition.

7. Security

ISVs prioritise security, adhering to industry standards to safeguard business data and systems. Regular bug fixes and feature updates ensure that software remains secure and reliable over time. ISVs provide valuable advice and best practices for enhancing system and data security, helping businesses mitigate the risk of data breaches.

8. Scalability

ISVs deliver scalable software solutions that evolve with businesses. As companies grow and their needs change, ISVs offer the expertise to ensure software scalability and adaptability. Collaborating with ISVs ensures that software solutions grow alongside operations, free from the constraints of vendor-dependent services.

Conclusion

ISVs emerge as the preferred choice for businesses seeking tailored software solutions, offering advantages in customisation, flexibility, expertise, competitive pricing, innovation, security, and scalability. In the dynamic, technology-driven landscape of today, ISVs play a pivotal role in industries like engineering, providing essential expertise and assistance.

Platforms like CODESYS, with its focus on hardware-neutral environments and comprehensive automation tools, further enhance flexibility and compatibility, enabling businesses to thrive in evolving technological landscapes.

In conclusion, the collaboration with ISVs empowers businesses to secure the bespoke software solutions necessary for success in today's industrial automation landscape. <https://www.tiz.com.au>

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PROCESS

TECHNOLOGY

AUTOMATION + CONTROL + INSTRUMENTATION

November 2022 vol.36 no.5 PP100007403

We reduce e-waste by repairing damaged devices

USING INDUSTRIAL STANDARDS TO OVERCOME THE GLOBAL SUPPLY CHAIN CRISIS

Global supply chain issues have become a major concern for industrial manufacturers. The impact of the crisis is being felt across the globe, with many manufacturers struggling to source raw materials and components. This is leading to production delays and increased costs. In this article, we explore how industrial standards can help overcome these challenges.

Standardising on technology

Standardising on technology is a key strategy for overcoming the global supply chain crisis. By using open standards, manufacturers can ensure that their equipment and systems are compatible with a wide range of suppliers. This reduces the risk of obsolescence and ensures that parts and components are readily available. Open standards also promote interoperability, allowing different systems to work together seamlessly. This is particularly important in industrial environments where downtime can be costly. By standardising on technology, manufacturers can improve their resilience and ensure that their operations continue to run smoothly even in the face of supply chain disruptions.

Open standards

Things to consider when playing

When playing an open standard, there are several key factors to consider. First, it's important to understand the scope and limitations of the standard. Not all standards are created equal, and some may be more suited to certain applications than others. Second, it's crucial to ensure that the standard is widely adopted and supported by a large number of vendors. This ensures that you can find the components and services you need without any issues. Finally, it's important to consider the long-term viability of the standard. Standards that are actively maintained and updated are more likely to remain relevant and useful over time.

Cloud-based control

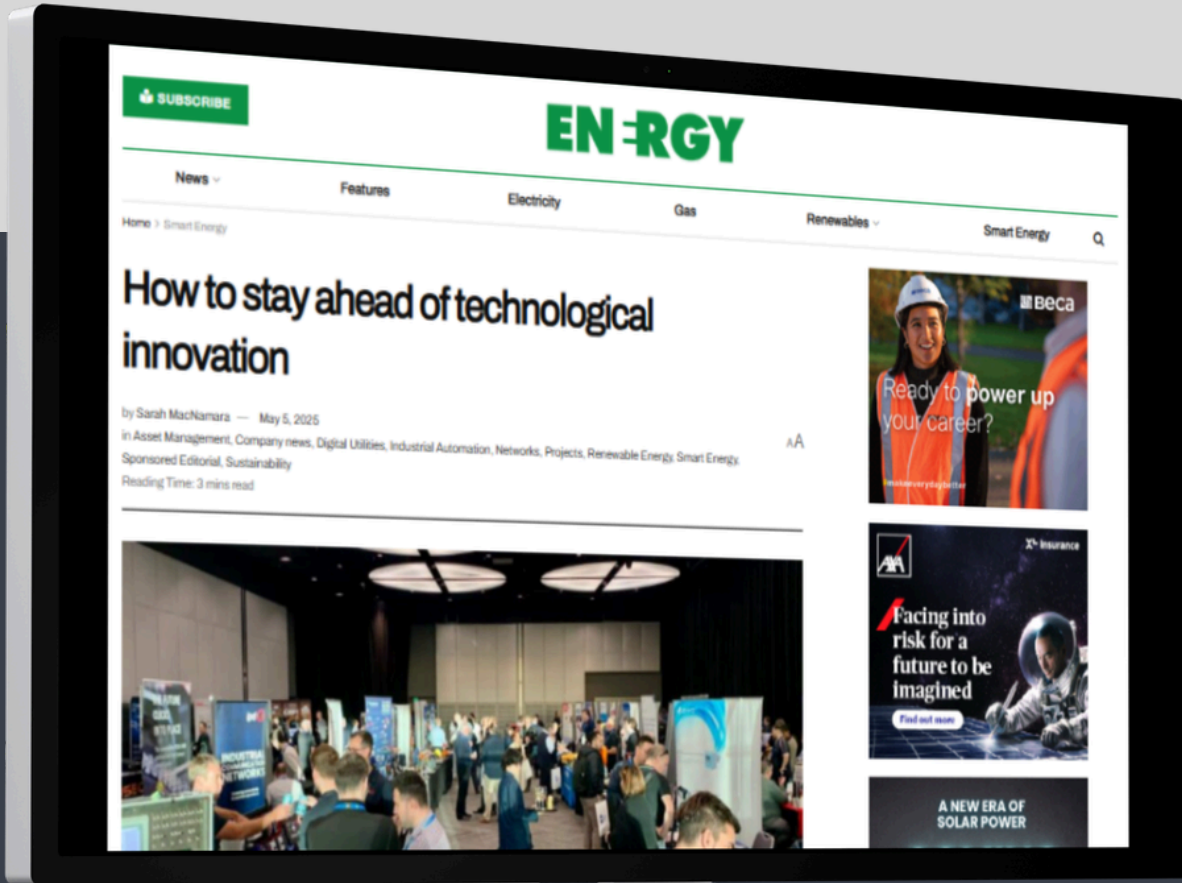
Cloud-based control systems offer a range of benefits for industrial manufacturers. They allow for real-time monitoring and control of equipment, enabling operators to respond quickly to any issues. Cloud-based systems also facilitate data collection and analysis, providing valuable insights into equipment performance and operational efficiency. Additionally, cloud-based control systems are often more scalable and flexible than traditional on-premise solutions, allowing manufacturers to expand their operations as needed. However, it's important to ensure that cloud-based systems are secure and reliable, as they often handle sensitive data and control critical equipment.

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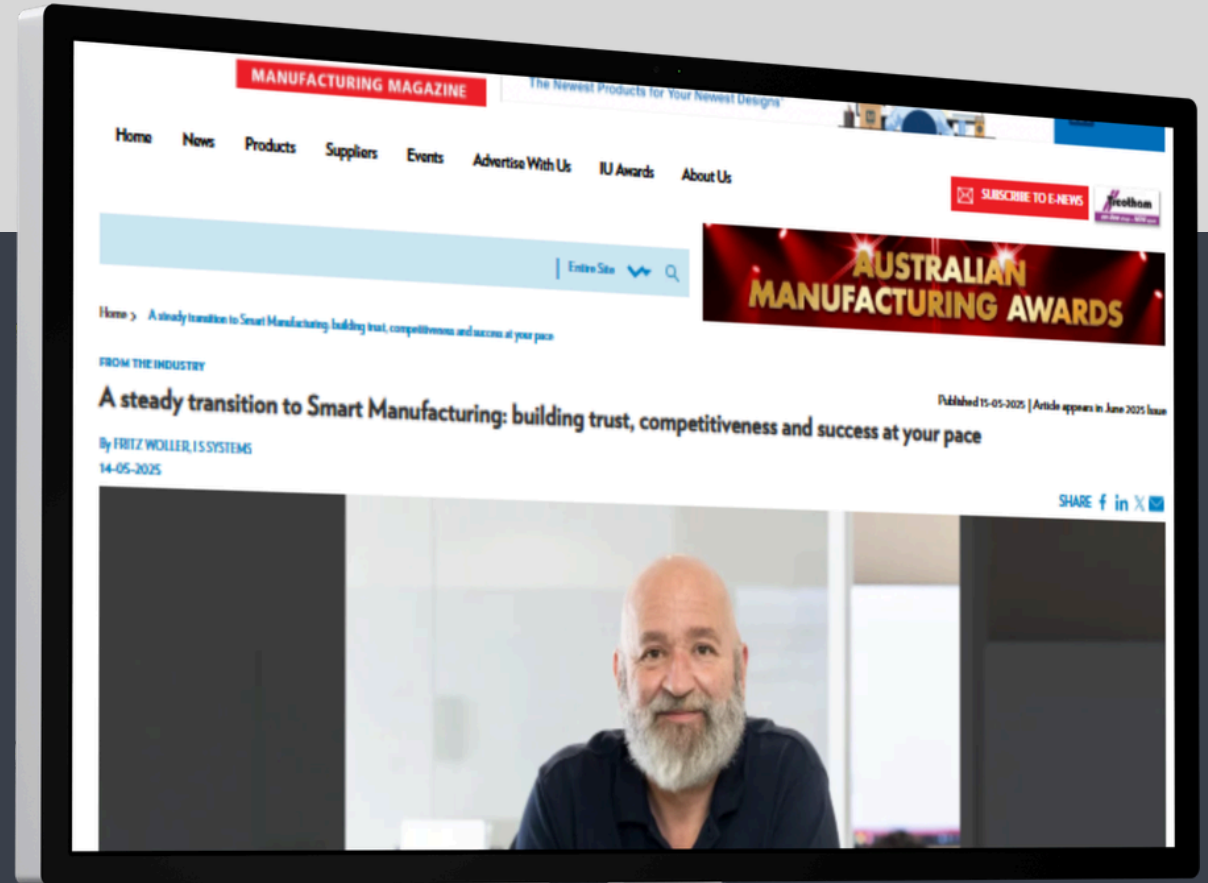


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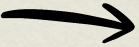


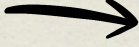
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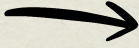


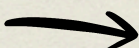
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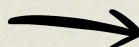
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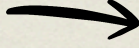
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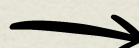
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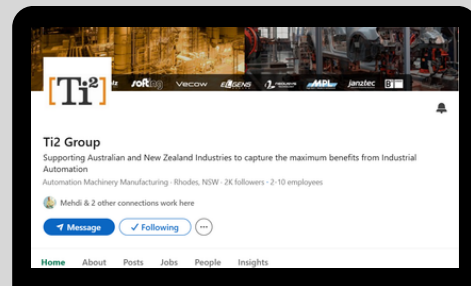


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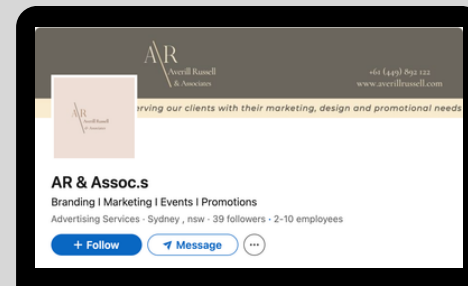
We also manage social media pages, ensuring consistent and engaging content that boosts your online presence and connects with your audience effectively.



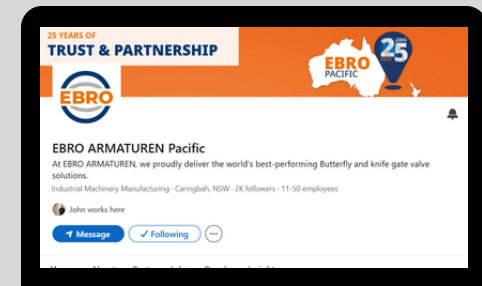
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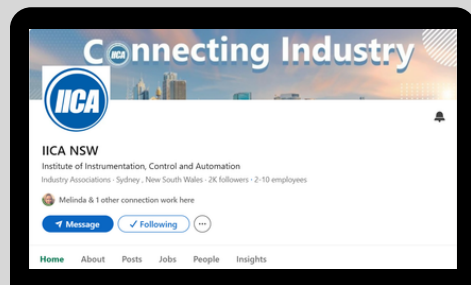
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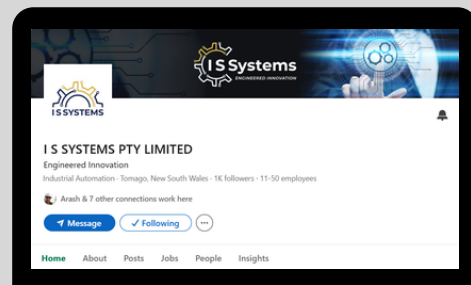
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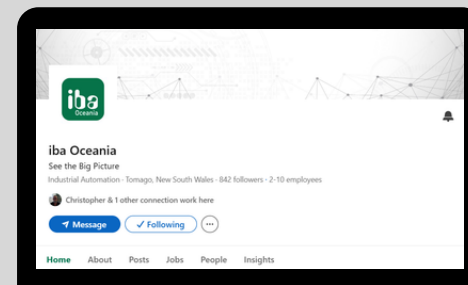
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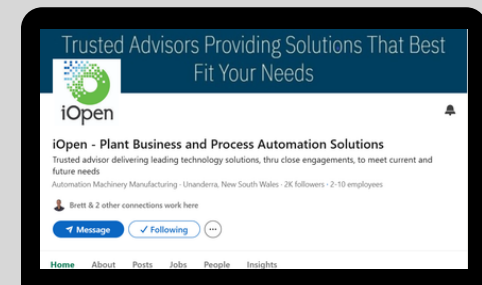
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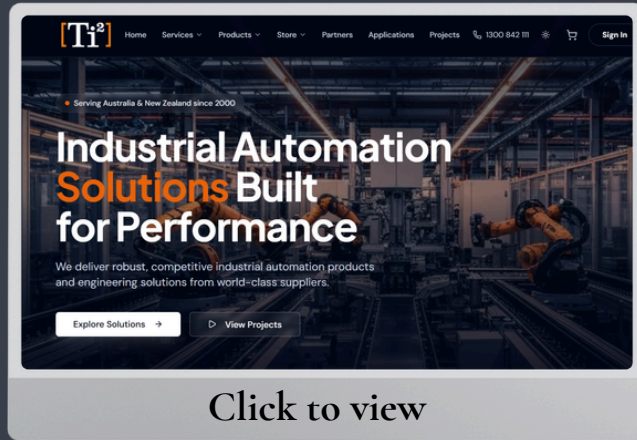
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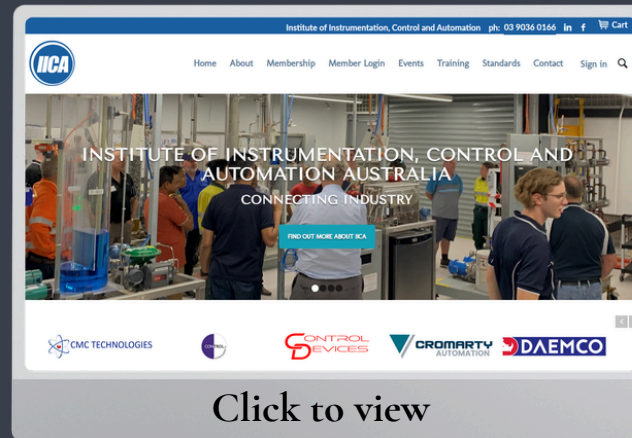
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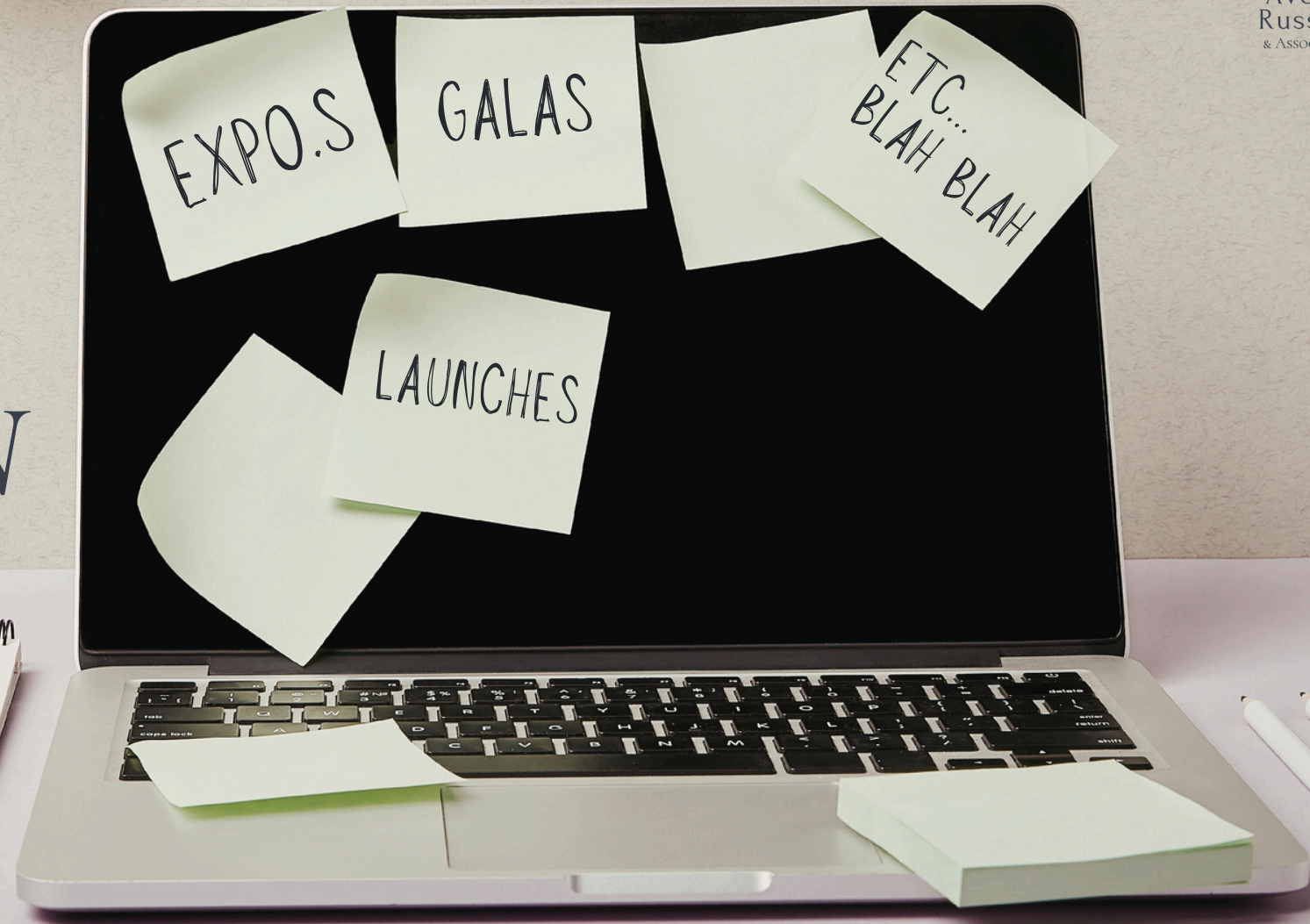
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NEWS PAGES MANAGED

We also manage news pages, curating and updating content to keep your audience informed and engaged with the latest updates and developments.



EVENT PRODUCTION





We bring events to life with seamless execution and attention to detail. Watch highlights from the recent IICA Expo Newcastle, showcasing our expertise in creating engaging and well-organized experiences.

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We create promotional videos like this campaign for the LinkXpert M3 Installer Bundle, showcasing product features, key benefits, and practical applications. The video is designed to highlight the value of the solution while supporting product awareness and marketing initiatives.



Click here for [video link](#)



We make videos like the one for the IICA Adelaide Expo, capturing the vibrant atmosphere of the event and the impressive product showcases. It reflects the strong industry presence and the spirit of innovation shared among exhibitors and attendees.



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EVENT MATERIALS

We design impactful event materials for associations & corporates like IICA, Ampcontrol, PAANZ, and Sydney Water. From tech event flyers to promotional content, our creations ensure your events stand out and resonate with your audience.



SYDNEY TECHNICAL TOUR OF NORTH HEAD WATER RESOURCE RECOVERY FACILITY

The North Head Water Resource Recovery Facility is one of 23 water resource recovery facilities in Greater Sydney. It is where the water is treated to a primary standard before releasing it to the ocean via a deepwater ocean outfall which includes continuous monitoring and regular tests done to check for any impact on the marine environment.

Discover how the plant's efficiencies save 1.8m litres of drinking water a day by using recycled water for purposes such as cooling, odour treatment and washing filters. How they have worked to improve water quality in Sydney Harbour, in the Northside Storage Tunnel, which starts 40m below sea level west of the river Lane Cove and ends 100m below sea level at the wet well at North Head STP.

You will learn about the plant's innovative hydro-electric generator and a co-generation plant, which uses methane gas generated during the production of biosolids. Up to 63% of the electricity used at the plant can be saved each day through these processes.

See all the process units of one of the largest primary treatment plants in the world. Processes like screening, dewatering, large above ground digesters, biosolids dewatering and out loading, both chemical and bacterial odour scrubbing, as well as excess gas burners.

And finally, the plant's hybrid SCADA (Siemens S7-400 based PLC/Schneider ClearSCADA interface) will be discussed by the host as well as the suitability of using sophisticated communications in a corrosive atmosphere.

In collaboration with Sydney Water, the IICA invites you to join us for a visit to the North Head Water Treatment Plant and venture within the tunnel for a full exclusive tour of the operations of this plant.

Followed by opportunity to network and Q&A session.

Friday, 8th September
7:30 AM - 9:30 AM
North Head Wastewater Treatment Plant,
2 Bluefish Dr,
Manly, NSW 2095

Members complimentary
Non members \$25 pp
Please register early to guarantee your place. Places are limited.

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19 OCTOBER 2023
8:30AM - 10:30AM

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LISTEN / HEAR
LISTEN to how ResMed's automated manufacturing technology aligns with their guided environmental policy, promoting waste and pollution reduction, the use of reduced-impact materials, and fair labour practices globally.

This event promises valuable insights into ResMed's contributions to the healthcare industry and its commitment to sustainability and responsible manufacturing practices.

IICA TECHNICAL EVENTS

AMPCONTROL FACILITIES WELSHPOOL TOUR

Ampcontrol is a leading provider of integrated electrical and electronic technology equipment with a focus on specialist Power & Automation projects across the resourcing, infrastructure, and renewables sectors.

If you're interested in learning more about this innovative company, be sure to join us on Thursday, July 20th, for an exclusive tour of Ampcontrol Facilities Welshpool.

During the event, you will get to see some of the Stand Alone Power System solutions that this Renewables division of Ampcontrol have been working on and also chat to some of the Team about this division along with the other divisions of Ampcontrol across the country.

The tour will include an overview of the Welshpool Capabilities and a Q&A session afterwards where you can learn more about the innovative solutions and ask any questions you may have.

You'll also have an opportunity to network with like-minded professionals while enjoying food and drinks, making it the perfect opportunity to connect with others and stay up to date with the latest industry trends.

Thursday, 20th July, 2023
6:00 pm - 8:00 pm

41a Kewdale Road Welshpool 6106 AUSTRALIA

INTERNATIONAL ORGANIZATION OF STANDARDIZATION

Newly Revised Machinery safety standards and their applications

ISO: TC199 SAFETY OF MACHINERY

DAY ONE TOPICS:
Welcome / Safety Information / Admin Issues
Safety of Machinery - Safety related parts
Safety of Machinery - Interlocking device
Safety of Machinery - Minimum separation distances
Safety of Machinery - Whole body access

DAY TWO TOPICS:
Robotics / Safety Information / Industrial Robots
Industrial trucks:
Safety requirements - Driverless trucks
Safety of Machinery - Integration of machinery
Safety of Machinery - Security Aspects

SYDNEY 20-21 NOVEMBER 2023
MELBOURNE 22-23 NOVEMBER 2023

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Industry networking breakfast: opportunity to meet and get involved in a sustainable future

Date & Time: 6th May, 7:30am for an 8am start, 10:30am finish
Venue: Stratfield Golf Club, 52 Weeroona Road, Stratfield
Cost: for members \$40, for non \$90

Wodek Jakubik & Chandresh Wadhwa
Innovations Manager / Business Development Manager
Hear from Wodek and Chandresh as they share with you the plans for Coregas to provide renewable gas for industry, domestic, transport and energy storage.

Sean Stove
Head for E-Mobility Division, ABB Australia
Sean will present to you about sustainable transport and the future of smart mobility.

Greg McGarvie
Director of ACE EV
Greg will focus on his project to roll out EVs through his collaboration with local governments and his launch of EMMA (Electric Mobility Manufacturers Australia) and with its prime objective to encourage EV manufacturing in Australia, working toward a zero emission future.



EXPOS



TECH NIGHTS



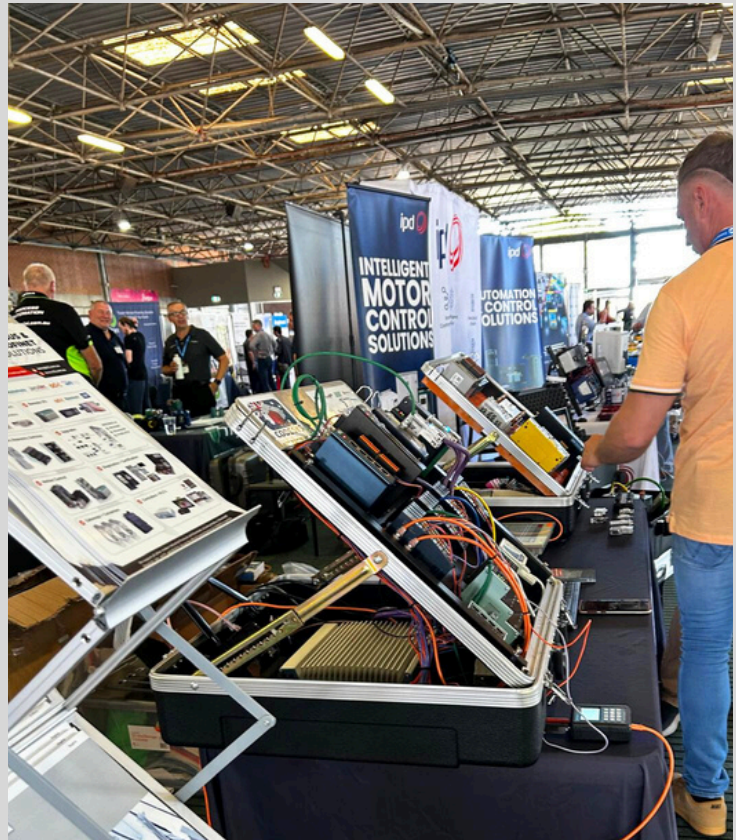
LADIES EVENT



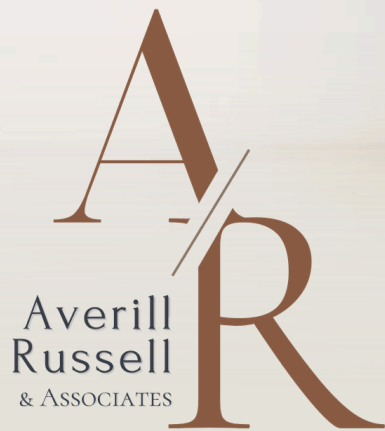
PRODUCT LAUNCH



OTHER EVENTS



*Thank you for taking the time.
Let's chat soon!*



*Serving our clients with their marketing,
design and their promotional needs.*