

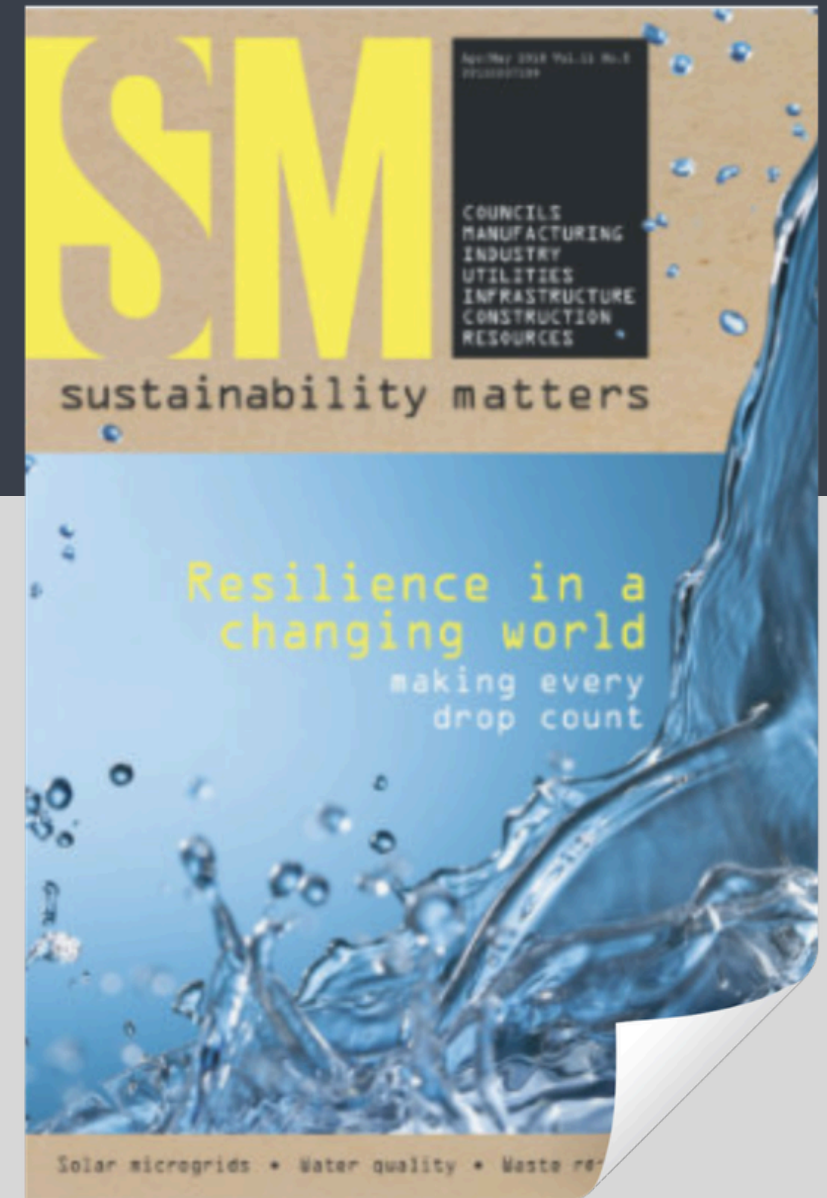
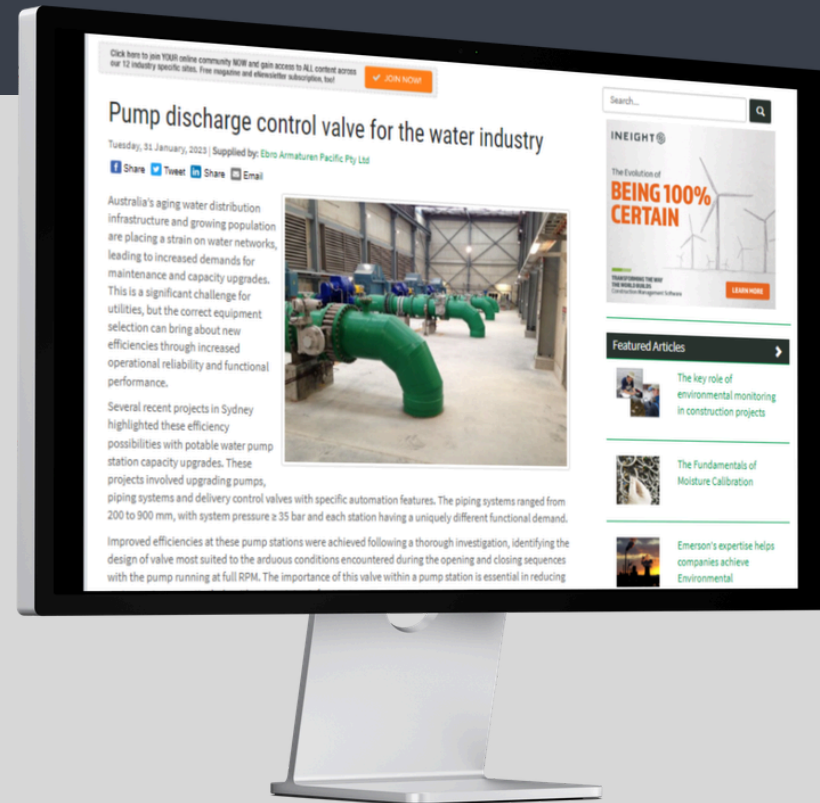


CONTENT FOR
DIGITAL &
PRINT

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.

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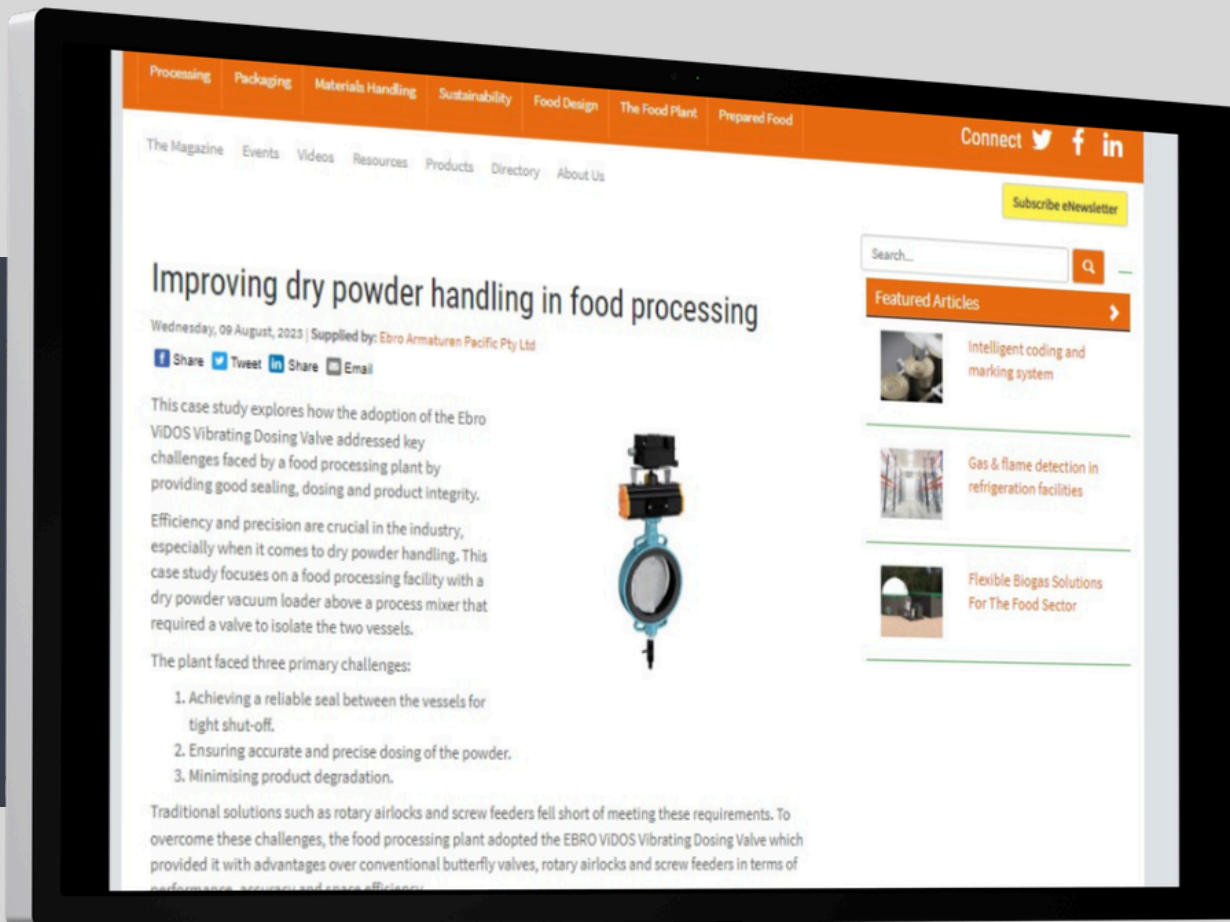
VIDEO PROMOTION

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.



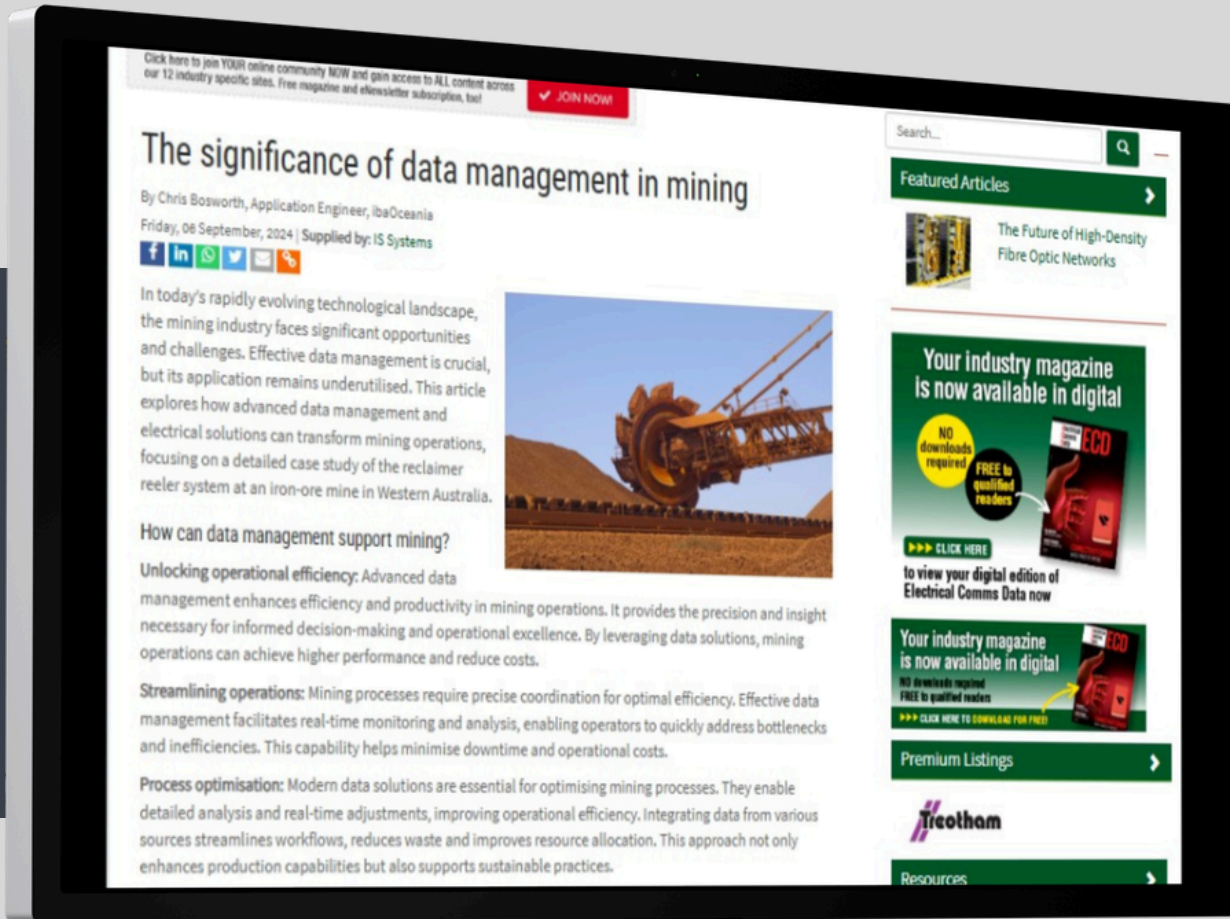
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Foodtech Packtech 2023 in Auckland



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 Carmi 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 able 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

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September/October 2023
Vol 31 No 4

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

TWO SERVES OF VEGGIES WITH YOUR ICE CREAM

Traceability tools for eggs | The dating dilemma | Generative

AUSTRALIAN
MANUFACTURING
TECHNOLOGY

AMT

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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>

[Click here to read](https://www.tiz.com.au)

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 disruptions have forced manufacturers to re-evaluate their procurement strategies. In the past, many companies relied on a limited number of suppliers for critical components. However, the current crisis has highlighted the importance of diversifying the supply chain and using industrial standards to ensure compatibility and interoperability across different systems and equipment.

For example, using open standards like OPC UA (Open Connectivity Foundation) can help manufacturers to integrate data from different systems and equipment, allowing them to monitor and control their production processes more effectively. This can help to reduce the risk of supply chain disruptions and ensure that manufacturers can continue to produce their products even in the face of global supply chain challenges.

The advantages of using open standards include:

- **Interoperability:** Open standards allow different systems and equipment to communicate and work together seamlessly.
- **Flexibility:** Open standards provide a common framework for developing and integrating new systems and equipment.
- **Cost-effectiveness:** Open standards can help to reduce the cost of procurement by allowing manufacturers to source components from a wider range of suppliers.
- **Future-proofing:** Open standards are designed to be flexible and adaptable, allowing manufacturers to integrate new technologies and equipment as they become available.

Open standards

Things to consider when playing

Open standards

Open standards are a key factor in ensuring interoperability and compatibility between different systems and equipment. However, there are several things to consider when using open standards:

- **Compatibility:** Ensure that the open standards you are using are compatible with the systems and equipment you are working with.
- **Security:** Open standards can be vulnerable to security threats, so it is important to implement robust security measures to protect your data and systems.
- **Performance:** Open standards can sometimes result in lower performance compared to proprietary solutions, so it is important to evaluate the performance of open standards before using them.
- **Support:** Ensure that you have access to the necessary support and documentation for the open standards you are using.

By considering these factors, manufacturers can ensure that they are using open standards effectively and securely.

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Innovate, Automate, Elevate: The IICA Newcastle Technology Expo

IICA (Institute of Instrumentation, Control and Automation)

Thursday, 20 February, 2025



The IICA Newcastle Technology Expo is an essential event for plant managers, project leaders, process control engineers, superintendents, and operations managers looking to enhance efficiency, improve safety, and future-proof their operations.



Taking place on Thursday, 13 March 2025, from 12:00 pm to 6:00 pm at the Newcastle Jockey Club, this event will feature cutting-edge technologies, real-world applications, and live demonstrations showcasing innovations in automation, industrial data analytics, digital twins, and AI-driven process optimization.

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PROCESS TECHNOLOGY

FEBRUARY/MARCH 2025
VOL.38 NO.4 | PP1000/1403

AUTOMATION + CONTROL + INSTRUMENTATION

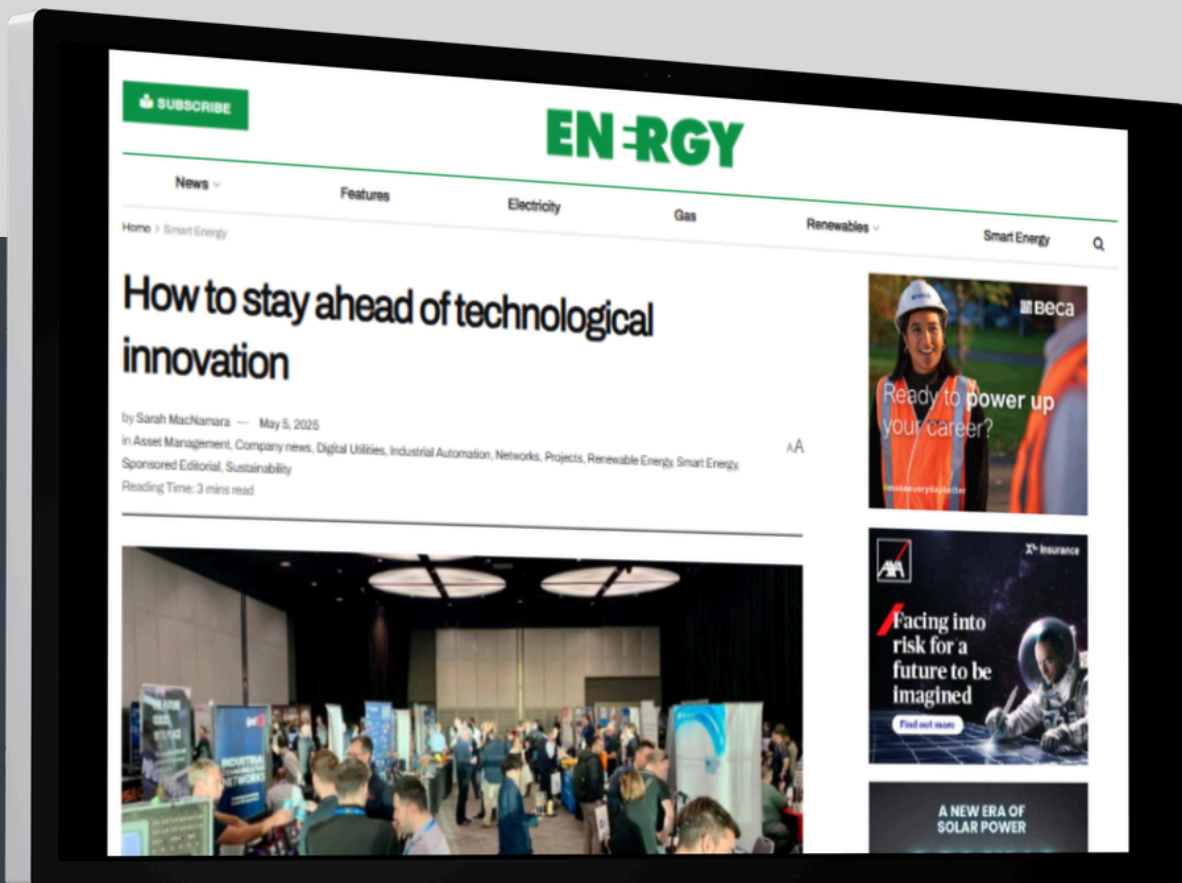


THE KEY TO SMARTER AUTOMATION

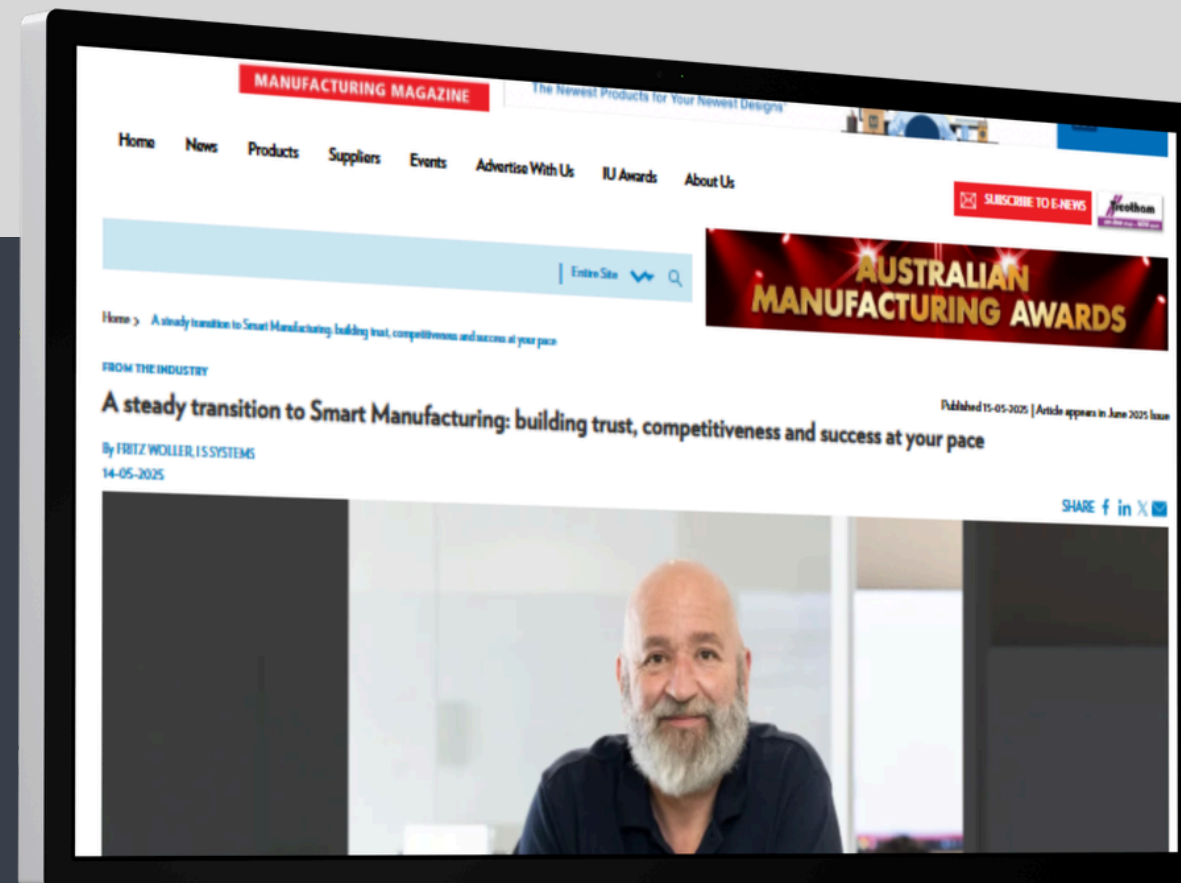
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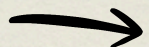


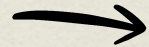
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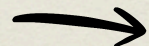


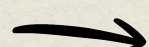
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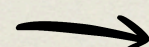
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 **Page 37**
Feb/Mar 2024 [Click here to read](#)

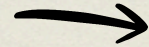
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Apr/May 2024 [Click here to read](#)

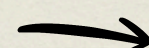
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June/July 2024 [Click here to read](#)

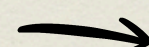
 **Page 37**
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 **Page 33**
Oct/Nov 2024 [Click here to read](#)

 **Page 33**
Feb/March 2025 [Click here to read](#)

 **Page 33**
Apr/May 2025 [Click here to read](#)

 **Page 31**
Jun/Jul 2025 [Click here to read](#)

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Aug/Sep 2025 [Click here to read](#)

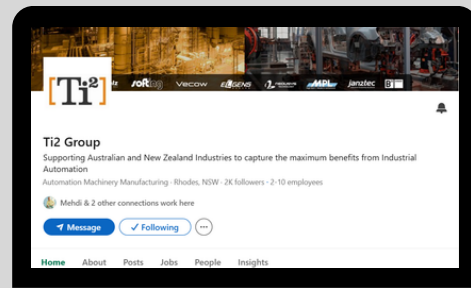
*For more examples of our content writing.
We offer a monthly writing services for
IICA, creating content that showcases their
expertise and advances in the industry.
Our writing helps enhance IICA's presence
and influence within the sector.*

SOCIAL MEDIA PAGES MANAGED

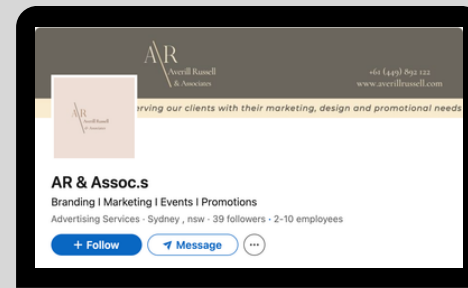
We also manage social media pages, ensuring consistent and engaging content that boosts your online presence and connects with your audience effectively.



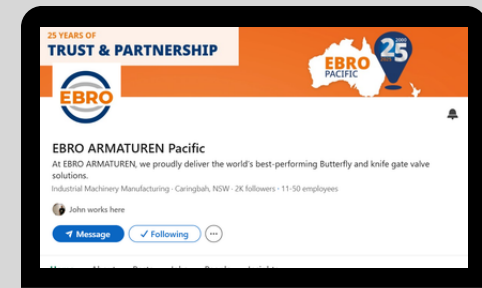
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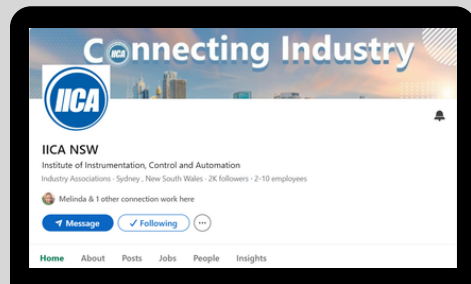
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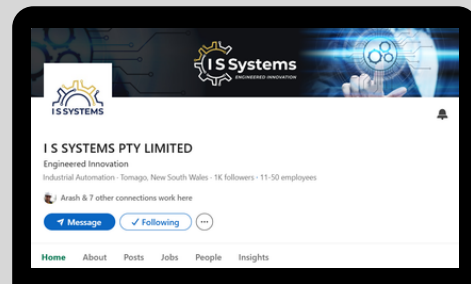
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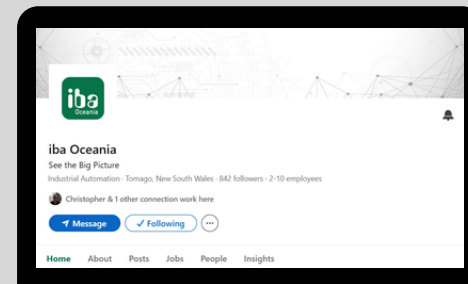
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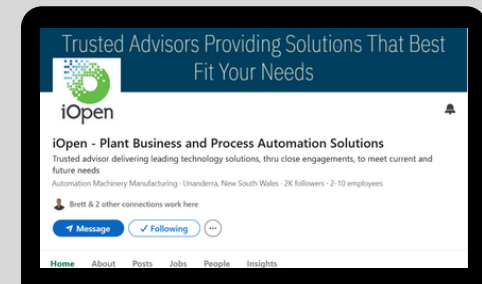
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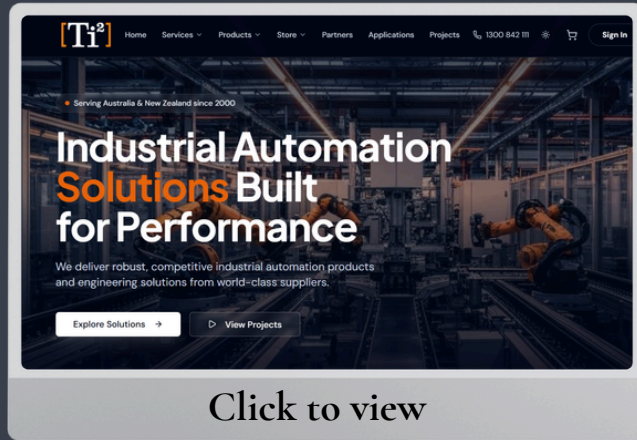
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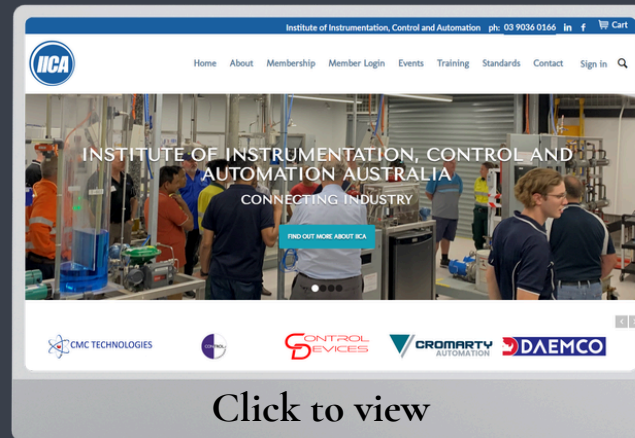
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NEWS PAGES MANAGED

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

