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FENNER CONVEYORS
A MICHELIN GROUP COMPANY

WELCOME
YEAR IN REVIEW
2024

THE FOLLOWING PAGES PROVIDE AN OVERVIEW OF FENNER CONVEYORS' MILESTONE ACHIEVEMENTS OVER THE COURSE OF THIS YEAR.

This year, Fenner Conveyors has achieved significant milestones across our manufacturing, field service, engineering, and support teams.

We've celebrated safety milestones, confirmed long-term strategic customer partnerships, worked with industry associations like the National Association of Women in Operations (NAWO) and the Stars Foundation in Karratha to build pathways into our industry, and manufactured the highest strength conveyor belt on record out of our Kwinana conveyor belt plant.

Additionally, we've made significant progress on the construction of our state-of-the-art Rubber Mixing facility (K-Mix) in Western Australia, which will house our R&D Centre of Excellence.

As we close the year and look to the future, Fenner Conveyors is well-positioned for continued growth and innovation. We're excited about the opportunities ahead, particularly in the context of the global shift to sustainable energy, where we are uniquely poised to meet demands for sustainable mining operation and efficient bulk handling solutions.

Our focus remains on service excellence and strategic expansion into new industries and markets. With decades of experience, a commitment to quality, and a customer-first mentality, we will continue to support our clients' success while developing our people and driving our own growth.

Thank you to our dedicated employees, customers, suppliers, and shareholders for making 2024 a successful year.

We look forward to another year of collaboration and shared success.

Jen Green
Managing Director

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4 SAFE BEHAVIOURS & CONDITIONS

At Fenner Conveyors, employee health and safety is our prime objective. Safety will never be compromised on our sites or when working on those of our clients. In doing so, we strive to reach our target of: **100% safe behaviours and conditions, today.**

In 2024, we collaborated with clients on safety programs, including our 'Respectful Behaviours' psychosocial safety workshops, and the implementation of line-of-fire training.

With this continual focus on a safety-first culture, we had over 200 team members participate in SafetyCircle training during 2024. We also completed 10 major Trust Yet Verify Safety Audits and our leadership team completed over 6,000 Safe Act Observations.

Outside larger scale safety programs, team members across all levels of the business took initiative to implement safety improvement actions.

We thank every team member at Fenner Conveyors for continuing to hold safety first.

06
SAFETY MILESTONES

07
SAFETY CIRCLE

10
RESPECTFUL BEHAVIOURS WORKSHOPS

SAFETY MILESTONES

RECORDABLE INJURY FREE

1000 DAYS
EAST ROCKINGHAM, WA

600 DAYS
CAPE LAMBERT, WA

954 DAYS
WOLLONGONG, NSW

200 DAYS
KWINANA, WA

Across Fenner Conveyors locations, various teams have reach incredible injury free milestones. Showcasing that safety is our top priority.

Fenner Conveyors continues to celebrate these milestones, and these achievements showcase the commitment our people have to safety.

"This milestone is a joint effort in keeping themselves and others safe while demonstrating daily respect for each other."
– Matt Shilson, Fenner Conveyors Branch Manager - East Rockingham.

"It's not just a number; it's a reflection of the culture of safety that has been cultivated by every member of the team."
– Travis Lewis, CPS National Sales Manager.

"This type of achievement doesn't occur in the high risk environments that service work in without a commitment to each other's safety, effective on the job planning and effectively working as a team."
– Lauren Constable, Fenner Conveyors Regional Safety Coordinator (East Coast)

503 DAYS
KWINANA
FABRICATION, WA

1826 DAYS
ADELAIDE, SA

SAFETYCIRLCE TRAINING

Across Fenner Conveyors locations, teams participated in SafetyCircle training, refreshing their agreements to contribute to a healthy and safe workplace culture.

The full day training focuses on behaviour and teamwork, emphasising personal engagement, effective safety leadership and active risk management. The program provides our people with the tools for driving safety at work and at home.

#SAFETY IS OUR BUSINESS

1000+ DAYS
CPS PULLEY &
FABRICATION FACILITY, WA

CELEBRATING 1000+ INJURY-FREE DAYS AT CPS PULLEY & FABRICATION FACILITY

30 JANUARY 2024

As we stepped into the new year, the CPS Pulley and Fabrication Facility proudly commemorated a monumental achievement—surpassing 1000 days without a single injury! It's not just a number; it's a reflection of the culture of safety that has been cultivated by every member of our team.

At CPS, safety is not just a priority; it's a core value that guides our actions and decisions daily. This is a shared priority with the broader Fenner Conveyors Group in Australia which CPS forms part of.

The milestone served as a foundation for the future, inspiring the team to continue setting new standards for safety in the workplace.

Here's to 1000+ days of success, and to many more injury-free days in the years to come!


CONGRATULATIONS TEAM
CPS
JANUARY 2024
CPS PULLEY &
FABRICATION FACILITY
CELEBRATING
1000+ DAYS
INJURY FREE!
FENNER
CPS


CPS
1000+
DAYS

WORKSHOPS LAUNCHED: FOSTERING RESPECTFUL BEHAVIOURS IN THE WORKPLACE

19 FEBRUARY 2024

At Fenner Conveyors, we believe that safety extends beyond just physical risks—it encompasses the well-being of our people in every form. With this in mind, we are proud to announce the launch of our 'Respectful Behaviours' workshops, a proactive initiative designed to address psychosocial safety risks, with a particular focus on sexual harassment following recent legislative changes.

Aligned with our core values, the 'Act with Respect' program reflects our commitment to creating a workplace where respect is integral to our culture. Using language from our existing safety program, SafetyCircle, we emphasize that psychosocial safety is as crucial as physical safety.

One of the key challenges we identified was a gap in leadership skills when responding to psychosocial safety concerns. To address this, we developed the 'Respectful Behaviours Event Management Guide' to help leaders respond to such events appropriately and effectively. In addition, we created the 'Act with Respect' training package, which has already been rolled out to all leaders and is now being extended to our site teams.

To further reinforce this message for site-based teams, we collaborated with key clients and leveraged their symbols of workplace respect in our training materials, creating a strong visual link to the program's core principles. This initiative has now been extended to all Fenner Conveyors personnel through our eLearning platform, ensuring widespread access and engagement.

Our approach to the program has been multi-faceted, combining various learning mediums and ongoing communication from leaders at all levels. Both our WA Regional Managers, Ryan Giltinan and Solomon Pender, have been active participants in the working groups, helping drive leadership commitment and ensuring the program's success across the service division.

With the groundwork laid in 2023 and actions set in motion for 2024, the 'Respectful Behaviours' program reinforces Fenner Conveyors' unwavering commitment to fostering a culture of respect and psychosocial safety for all employees.

BUILDING A WORKPLACE CULTURE WE CAN ALL BE PROUD OF.

RESPECTFUL BEHAVIOURS QUEENSLAND ROADSHOW

Fenner Conveyors teams in Brisbane, Mackay, and Gladstone participated in the roll-out of the Fenner Respectful Behaviours Training. The sessions focused on fostering a safe and inclusive workplace by identifying and addressing discriminatory, harassing, and bullying behaviours.

A key part of the training included exploring 'Inside the Circle Behaviours'—actions that promote fairness, respect, and psychosocial safety. Participants engaged in meaningful discussions about the importance of creating a supportive environment where everyone feels valued and empowered to take action when witnessing unacceptable conduct.

Fenner Conveyors remains committed to upholding these values, ensuring every team member feels safe, respected, and treated fairly. Thank you to all participants for their thoughtful contributions. What an incredible team effort!

CPS NAMED HEALTH & SAFETY FINALIST AT RIO TINTO SUPPLIER AWARDS

17 APRIL 2024

Congratulations to Conveyor Products & Solutions (CPS) on being a finalist in the Rio Tinto Supplier Recognition Awards 2024.

Rio Tinto celebrated the contribution of its suppliers at its second Supplier Recognition Awards night. The awards recognize the company's valued suppliers for their outstanding performance and the contribution they make to the company and the local community.

Any supplier or business that has worked for Rio Tinto across its WA operations could be nominated for outstanding performance and leadership across six categories. This year, around 200 supplier nominations were received, with only 18 finalists were selected - one such being CPS in the category of 'Health & Safety'.

The Health & Safety category recognizes business that demonstrate leading safety performance and contribute to making sites safer, beyond their own scope of work.

An integral part of the Fenner Conveyors Group in Australia, CPS brings high-quality and innovative Conveyor Roller and Conveyor Pulley solutions, with a core focus of their work being on equipment that enhances site safety.

Finding Better Ways to drive innovation and continuous improvement is a commitment shared between Rio Tinto, CPS, and the broader Fenner Conveyors Group in Australia, which is reflected through CPS' position as a finalist in its category.

General Manager, Max Herscovitz, commented on how proud CPS was to be recognised within this category.

"We'll continue to innovate and push the boundaries of conveyor solutions, ensuring that we deliver the safest, highest quality, fit-for-purpose products and services to our clients."

"Thank you to Rio Tinto for this recognition, and to our dedicated team for their hard work and commitment!"

Fenner Conveyors are proud to join in recognising and celebrating the valuable contribution CPS has made to Rio Tinto's business, the economy, and communities across Western Australia.

POD MODS IN HUNTER SUPPORT SAFETY MILESTONE ACHIEVEMENT

26 APRIL 2024

The Hunter team is part of Fenner Conveyors' 30+ service centres across Australia, and another to successfully reach the safety milestone of 365 days recordable injury free.

Branch Manager, Andrew Lucas, said this milestone was achieved through hard work, safety workshops, and shared learnings from around the business."

"Our team members regularly engage in high-risk activities, including maintenance activities, belt, gearbox, motor, and pulley replacements. It's a diverse and challenging environment that presents many risks," said Lucas.

Fenner Conveyors' Hunter team is made up of conveyor service experts based out workshops in Newcastle and Muswellbrook.

Over the last 12 months the team have overcome many challenges that had the potential to impact safety. One such being the investment in pod modifications to improve loading and unloading of belt splicing equipment in underground mining work environments.

"As a regular and repetitive task, we identified that improving ease of use and ergonomics for the team when handling equipment was a priority," explained Lucas. "We modified the pods to have additional doors for easy access to the equipment and reduced manual handling."

National Injury & Wellbeing Coordinator, Emma Mulhern, said that manual handling workshops through Ethos Health also attributed to the injury free milestone.

"The workshops helped maintain our team's mindset about safety culture regarding manual handling activities," said Mulhern.

The Hunter team also leveraged learnings from other Fenner Conveyors' locations to identify and avoid potential safety hazards when completing high-risk activities.

"We regularly communicated safety activities and performance with all 62 members of our team. The entire team were eager to participate and reduce our total recordable injury frequency rate."

This aligned commitment ensured the Hunter team were set to achieve 365 days injury-free and is a testament to just how much the team values safety.

"It's a fantastic result for our team to reach 365 days injury-free. Our safety culture has everyone out there looking after their mates, and making sure every member of the team goes home safe. This is something we can all be proud of," said Lucas.

ENHANCING SAFETY AWARENESS: NEW LINE OF FIRE TRAINING PACKAGE

30 JULY 2024

At Fenner Conveyors, safety is paramount. A significant contributor to safety incidents across the mining industry is the risk of Line of Fire hazards—situations where workers are exposed to moving machinery or potential projectiles. Recognizing the critical need to address this, our operational team identified an opportunity to raise awareness and close the experience gap between seasoned professionals and newcomers to the industry.

To address this, we developed a comprehensive training package tailored to all experience levels. A working group, dedicated to understanding Line of Fire risks in conveyor works, was formed to develop bespoke training content. This group not only utilized Fenner Conveyors' Critical Risk Protocols (CRPs) but also integrated lessons from past safety events to ensure the training was relevant, impactful, and preventive.

The result is a 15-minute eLearning module designed to raise awareness of Line of Fire risks and the steps we can take to prevent them. Key topics covered include the identification of various Line of Fire hazards, understanding exposures, real-world examples from manufacturing and service environments, and the crucial role of communication in mitigating these risks. The course also includes an assessment to ensure knowledge retention and practical application.

The training has been a key contributing factor in delivering our safety improvement plan. In the months following roll-out of the Line of Fire Training, the Fenner Conveyors' national service TRIFR has reduced to 0.42

This new training package reflects our commitment to keeping safety at the forefront of our operations, ensuring that every member of the Fenner Conveyors team—regardless of experience—understands the importance of identifying, communicating, and managing Line of Fire risks effectively.

PEOPLE DARE TO BECOME

In 2024, Fenner Conveyors continued to invest in and celebrate the incredible dedication of our people.

With over 3,300 hours dedicated to training and development, we empowered our workforce to grow and excel. This year, 53 apprentices and trainees advanced through our Registered Training Organisation, contributing to a skilled future for our industry.

We also celebrating over 1,145 years of service milestones, contributing to more than 6,100 years of combined experience across total business.

Our commitment to rewarding and recognising our people saw the introduction of seven new benefit schemes, reinforcing our focus on a supportive workplace culture.

In line with our commitment to diversity and inclusion, we proudly completed our first-ever Reconciliation Action Plan (RAP), expanding our RAP working group to 14 members across the One Michelin Group Australia.

Read more about our commitment to our people during 2024 in the following pages.

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RISING STARS IN KARRATHA

GROWTH, LEGACY & HEART: STRUCTURAL CHANGES TO FENNER CONVEYORS EXECUTIVE TEAM

As 2024 comes to a close, Fenner Conveyors have confirmed a number of structural changes across the company.

The Executive team has been strengthened with a number of new faces, bringing a tonne of passion and drive to the powerhouse of conveyor solutions within the Fenner Conveyors Group.

After 10 years as Managing Director, and 27 years employment with the company, Graham Lenz has confirmed his decision to retire in December 2024, handing the reins to incoming Managing Director, Jen Green.

Green joined Fenner Conveyors in early 2022 as a Company Director, initially leading People, Culture, Health, Safety and Wellbeing, along with Fenner's Enterprise Registered Training Organisation, before taking on commercial and operational responsibility based out of Western Australia.

Two long-standing leaders within Fenner Conveyors, Brett McMillan and Brent Foley, have been appointed as Chief Operating Officer and Chief Financial Officer respectively, joining Green on the Board of Directors.

Lauren Stimpson has been appointed to lead the People & Culture function as General Manager. Finally, Warren Sexton, who is embedded in Fenner Conveyors' Western Australian operation has been promoted to Executive General Manager Manufacturing. This role will see Sexton drive excellence in the manufacturing division, bringing with him a depth of experience in building and maturing manufacturing plants through his time as General Manager of CPS.

Through a continued investment in our people, building capability and expertise from within, Fenner Conveyors have created a number of internal opportunities for career progression of talent across the Group.

"Graham Lenz has been instrumental in the growth, diversification and success of Fenner Conveyors over his 27 years with the business," said Green.

During a departing remark, Lenz said "there are others in our industry, but we do it with heart."

With a strong focus on building talent and developing people from within, these leadership changes bring a fresh, energized team to lead the organisation through its next phase of growth.

"We've grown significantly in recent years, so establishing these structural changes will create the head room and oxygen to grow further and continue to challenge our people," explained Green.

"What will remain steadfast is our focus on delivering best in class quality and customer experience, through innovation, digital advancement, new product development and our team of dedicated people nationwide."

Above all, our focus has been to ensure continuity and stability through these leadership changes.

EXECUTIVE LEADERSHIP TEAM

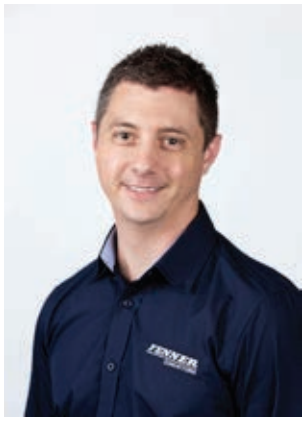
Fenner Conveyors is guided by a diverse and passionate executive group, committed to building talent and developing our people, and innovating for the future of the industries we serve. Our leaders drive Fenner Conveyors towards our all-sustainable vision, and uphold our Michelin Group values.

JEN GREEN
Managing Director

BRETT MCMILLAN
Chief Operations Officer

BRENT FOLEY
Chief Financial Officer

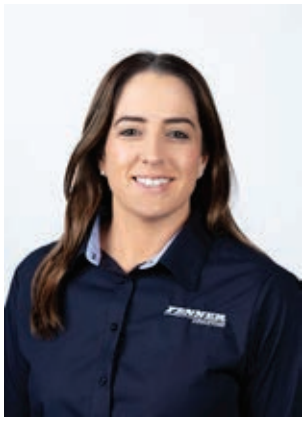
TREVOR SVENSON
Executive General Manager - Sales & Marketing



WARREN SEXTON
Executive General Manager - Manufacturing

MATT EINHORN
Executive General Manager - Engineering

HONG KOH
General Manager Capital Expansion Projects



LAUREN STIMPSON
General Manager People & Culture

TIM BRIGGS
General Manager Technology

NYREE LEE
Executive Support

PARTNERSHIP ANNOUNCEMENT: FENNER CONVEYORS & NATIONAL ASSOCIATION OF WOMEN IN OPERATIONS (NAWO)

6 JUNE 2024

Fenner Conveyors are thrilled to announce a significant new partnership with the National Association of Women in Operations (NAWO). This partnership embraces a shared commitment to fostering an inclusive and diverse workplace.

NAWO is Australia's leading national network for women in operations, with a mission of increasing female representation in traditionally male-dominated sectors like mining and manufacturing.

NAWO's vision is to see gender diversity valued and balanced at every level in operations. Chief People & Culture Officer (at the time - currently Managing Director), Jen Green, said Fenner Conveyors are proud to support this vision.

"Our partnership with NAWO will focus on promoting gender diversity and inclusivity within our business, creating opportunities for women in operations to excel and reach their full potential," said Green.

Partnerships & Funding Director, Fiona Evans, said NAWO promotes gender diversity, and recognition of its positive impact on business performance.

"Recognising that everyone plays a role in creating diverse and inclusive workplaces, we can support all genders to lead more inclusively, providing safe spaces to ask questions and have open conversations that will drive positive change," said Evans.

Through this partnership Fenner Conveyors joins 90 other leading Australian organisations as members of NAWO who are committed to inclusive and diverse workplaces.

"This partnership will form part of our gender diversity strategy which is currently being developed by the Executive Management Committee, as they look to champion a more inclusive future and rethink established systems of work," explained Green.

Through this collaboration, Fenner Conveyors aims to:

- **Promote Gender Diversity:** Implement initiatives and programs that encourage the recruitment, retention, and advancement of women in all operational roles.
- **Enhance Inclusivity:** Foster an inclusive workplace culture where all employees feel valued and respected, regardless of their gender identity or background.
- **Provide Support and Development:** Offer training, mentorship, and networking opportunities to support the professional growth of women and underrepresented groups in our workforce.
- **Lead by Example:** Set industry standards for diversity and inclusion practices, demonstrating the tangible benefits of a balanced and diverse team.

NAWO supports women's careers by providing meaningful connections, inspiring role models and development opportunities to build and capitalize on their strengths.

"By supporting our women to foster connection, share ideas and grow in their careers, NAWO will help us to build a pipeline of female leaders and encourage inclusive leadership," said Green.

"This partnership is a testament to our ongoing commitment to creating a workplace where everyone can succeed. By working together with NAWO, we are taking concrete steps towards a more diverse and inclusive future within our business operations."

NAWO CEO Louise Weine, said the Non-For Profit (NFP) is pleased to have Fenner Conveyors join the NAWO community.

"We're super impressed to see Fenner Conveyors demonstrate their commitment though immediate action as they are getting involved straight away - supporting our "When I grow up" event in Karratha WA! Thank you Fenner Conveyors - we very much look forward to collaborating with you."

‘WHEN I GROW UP’: FENNER CONVEYORS HOSTS INAUGURAL NAWO EVENT IN KARRATHA

19 JUNE 2024

Last week Fenner Conveyors hosted its inaugural Women in Operations event as part of its partnership with the National Association of Women in Operations (NAWO).

‘When I Grow Up’ was a huge success, with turn out on the day far exceeding registrations.

Chief People & Culture Officer (at the time - currently Managing Director) and facilitator on the day, Jen Green, said “We were thrilled to be able to provide an avenue for local youth to learn about the diverse career opportunities across operations.”

Participants had the privilege of listening to a panel of incredible women in a range of roles, including belt splicers, train drivers, operators, engineers and business owners. “Their stories and experiences left us feeling inspired and empowered,” said Green.

Following the panel session, participants were able to visit booths set up by various businesses across the Pilbara, including Rio Tinto, Woodside Energy, Yara International, Svitzer Australia, Metso, Apprenticeship Support Australia, WorkPac, Pilbara Kimberley University Centres, Pilbara Traffic Management and Monadelphous.

Fenner Conveyors thanks the Karratha community for coming along and supporting this event, the panelists, and to all the companies who engaged with future industry candidates!





TRAINING AND DEVELOPMENT

FENNER REGISTERED TRAINING ORGANISATION (RTO)

31 Trainees and Apprentices brought through our Training School to commence their Cert III Polymer Processing (Belt Splicing).

20 Successfully completed the Certificate III in Polymer Process (Belt Splicing) qualification

22 Progressing through the qualification by completing the Certificate II in Polymer Processing assessments

TECHNICAL TRAINING (SKILL DEVELOPMENT)

13 Employees completed our Belt Installation Course.

42 Employees completed our Block Release Training Course.

DEVELOPMENT PROGRAMS

26 Existing employees have commenced our RPL process, to achieve Splicer team trade qualification across all Perth Splicers.

EMERGING LEADERS PROGRAMS

16 Fenner Conveyors employees completed the Program in its third cohort.

EMPOWERING LEADERSHIP: OUR COMMITMENT TO WORKFORCE DEVELOPMENT IN 2024

In 2024, Fenner Conveyors remained committed to developing leadership capabilities across all levels. Recognizing the critical importance of empowering our workforce, we invested in comprehensive training programs that are tailored to develop both front-line and senior leaders.

Our ongoing commitment to leadership development was reflected in the success of key initiatives, including eLearn modules, the Supervisor Development Program, and the Emerging Leaders Program. These programs have not only strengthened individual leadership capabilities but also contributed to a culture of excellence throughout the business.

In addition to leadership development, we continued to nurture the technical expertise of our employees. A total of 53 apprentices successfully advanced through our enterprise RTO, while 55 service personnel made significant strides in their technical skill development through specialized Belt Installation and Block Release courses.

As we move forward, Fenner Conveyors remains steadfast in its commitment to investing in both leadership and technical training. Our focus on developing a skilled, safe, and sustainable workforce is key to supporting the ongoing success of our operations and ensuring the long-term growth of our people.






REFLECTING ON THE COMPLETION OF OUR FIRST RAP: A COMMITMENT TO INDIGENOUS ENGAGEMENT & ACKNOWLEDGING CULTURE

Fenner Conveyors is proud to announce the successful completion of our first Reconciliation Action Plan (RAP) – the Reflect phase. This significant milestone marks a crucial step in our ongoing commitment to building meaningful relationships, fostering respect, creating opportunities, and strengthening our reporting and tracking of reconciliation progress.

BUILDING RELATIONSHIPS: LISTENING & CONNECTING

Throughout the Reflect phase, we learned that building relationships starts with listening. Engaging with stakeholders, especially in regional communities, has been instrumental in forging strong personal connections. Despite some challenges in establishing local relationships in major cities, we made notable progress with our regional presence. By collaborating on key customer projects and attending indigenous engagement events, we've further embedded ourselves in the communities we serve through relationship building with First Nations stakeholders.

RESPECT: A SHARED COMMITMENT TO LAND AND CULTURE

Respect for Indigenous cultures and lands has been central to our learnings during our Reflect RAP. We've observed that many of our customers share our commitment to respecting the lands on which we operate, with many implementing significant land management practices. We built our understanding around policy requirements and reviewed existing policy to identify areas we can improve as a welcome place of work. We initiated cultural awareness initiatives, including training workshops and eLearns with providers including Evolve Communities and SBS Inclusion. Our offices now proudly display RAP artwork and we are growing team member confidence in how to respectfully acknowledge Country. To support this, we introduced Traditional Place names in our email signatures.

CREATING OPPORTUNITIES: LOCAL CONNECTIONS AND EARLY ENGAGEMENT

While creating procurement opportunities remains an ongoing challenge, particularly across our global supply chains, we made strong strides in building local supplier relationships. In regards to employment opportunities, we learned that early engagement, particularly at the school level, is key to fostering long-term opportunities for Indigenous talent.

STRENGTHENING GOVERNANCE: STRATEGIC FINDINGS FOR FUTURE GOALS

The completion of our Reflect RAP phase has provided us with invaluable insights. We've strengthened relationships within the RAP Working Group (WG) across One Michelin Group entities. We're thrilled to have established Aboriginal and Torres Strait Islander representation within our RAP WG, ensuring that Indigenous voices are at the heart of our ongoing reconciliation journey.

Fenner Conveyors is excited to continue this important work in its Innovate RAP, building on the lessons of the Reflect phase and laying the foundation for more inclusive, respectful, and sustainable operations.

SUPPORTING PATHWAYS FOR WOMEN IN MINING:
25 YEAR SPONSOR OF AUSIMM'S NEW LEADERS SUMMIT

04 SEPTEMBER 2024

Last night Fenner Conveyors were pleased to host the Welcome Reception for AusIMM's New Leaders Summit 2024 in Brisbane - an event which supports pathways for new professionals across our industry.

The New Leader Summit program in 2024 focuses on AI & emerging technology, reconciliation, regulatory frameworks for mine life and beyond, workforce transformation, diversity and inclusion, social responsibility and sustainable mining, with a stellar line-up of expert keynote speakers.

As 25 Year sponsor of the event, Fenner Conveyors were given the opportunity to sponsor an Abstract category and chose 'Diversity & Inclusion'. This included sponsoring winners of the abstract category to attend the New Leaders Summit.

Chief People & Culture Officer (at the time - currently Managing Director), Jen Green, reflected that what came through loud and clear when reviewing submissions was the enthusiasm, appreciation and commitment to diversity & inclusion in our industry.

"The need for early intervention is something we are acutely aware of at Fenner Conveyors, which is why we have been tailoring internal initiatives and training programs to facilitate engagement and awareness with youth in the communities in which we operate and service."

Inclusivity is paramount in Fenner Conveyors' approach to the delivery of its training programs.

"We utilise a range of mediums to cater to different learning styles, including both theoretical and practical sessions, and utilise equitable trade skills such as knifeless splicing which has opened up opportunities for female belt splicers," explained Green.

Fenner Conveyors actively work to attract more females to the trade by participating in industry forums, such as

Jen Green with Diversity & Inclusion Abstract winners: Isabelle Welstead (left) and Sofiya Khan (right).

the New Leaders Summit, and establishing partnerships with pathway organisations in the communities in which we operate.

"We are a proud sponsor of this event in QLD to continue our investment in the pathways for young and emerging professionals into the mining sector. We are committed to building greater diversity and inclusion within our industry, which is so important for the future of our workforce."

Fenner Conveyors representative who attended the Welcome event had the pleasure of meeting so many delegates who will no-doubt be change-makers for the industry in the coming years.

HUNTER TEES OFF FOR COMMUNITY

2 OCTOBER 2024

Last Friday, Fenner Conveyors hosted its first Community Golf Day with customers, suppliers and team members from across the NSW region raising an impressive $10,000 for Life Without Barriers, Newcastle.

It was an un-fore-gettable morning at Cypress Lakes Golf Course including Aqua Golf, Longest Drive & Nearest to Pin competitions, hole tasting from Peter Drayton Wines and MaltNHops Brewhaus, and the day concluded with presentations and a live auction featuring generous prizes from local businesses and Hunter Valley producers.

Our Non-For-Profit partner, Life Without Barriers, also hosted an activation on Hole 14 where players contributed to a progressive story to promote Hook into Books™ - an initiative which supports youth literacy skills.

The funds raised at the Golf Day event equate to over 370 'Travelling Book Backpacks' that Life Without Barriers will be able to deliver to communities across Australia.

Hunter Branch Manager, Andrew Lucas, said it was wonderful to host this event and have team members from all Fenner Group businesses come together, alongside customers and suppliers while giving back to the community.

"We are thrilled to be supporting Life Without Barriers to continue changing lives for the better with the funds raised through this event," said Lucas.

Thank you to all who helped make this event such a success: Cypress Lakes Golf Shop, Life Without Barriers, Flexco Australia, Conveyor Products & Solutions, Peabody Energy, Yancoal Australia Ltd, Drummond Golf Newcastle, Peter Drayton Wines, Hunter Belle Dairy Co, Agnew Wines Pty Ltd, MaltNHops Brewhaus, Westpac Rescue Helicopter Service - Northern NSW.


Club Car
Club Car


Matthews
Matthews
Matthews

CELEBRATING RISING STARS IN KARRATHA

20 NOVEMBER 2024

Earlier this month we proudly joined the Karratha community at the Stars Foundation annual end-of-school year celebration. The evening recognised students' achievements and activities throughout the year across various categories such as attendance, sport, and academics prior to graduation.

In addition to student awards, a number of local businesses were recognised for their contribution to the Stars Foundation, including Fenner Conveyors for the impact of initiatives such as supporting students to gain their driver's license and facilitating exposure opportunities for a career in mining and manufacturing. Fenner Conveyors is thrilled to have a Stars Foundation student joining the team in 2025 on a belt splicer apprenticeship!

All in all, Fenner Conveyors is honored to have been invited to this wonderful event and to join in celebrating Stars students as they embark on an exciting new chapter!

FENNER *IN THE COMMUNITY*

61,705 MEALS FOR OUR LOCAL COMMUNITY

Our shared services team in Victoria volunteered at Foodbank who provide grocery and food relief to many in need. We are looking forward to continuing our partnership with Food Bank into the future.

BREAST CANCER AWARENESS & FUNDRAISER

The Kwinana office and local team members came together to host a Pink Ribbon Morning Tea for Breast Cancer Awareness Month in October.

The team raised over $1200 for breast cancer research.

FAMILY DAY AT GLENCORE'S ULAN WEST MINE

Team members from Fenner Conveyors, ACE and Conveyor Products & Solutions tackled the Family Day at Glencore's Ulan West Mine. A wonderful opportunity to connect with site personnel and their loved ones on the safe, smart and sustainable conveyor solutions we are delivering as a Group across Ulan operations.

ASPECT VISITS ACE NSW FOR R U OK DAY

For R U OK Day ACE NSW invited ASPECT to prepare us morning tea for the third year. Our team got together whilst enjoying morning tea in smaller groups and had a chat about this important message.

ASPECT is a school for autistic kids. The high school provides important life skills to help these amazing young adults to integrate into the workforce. Not only does this provide them invaluable work experience, all money made from the coffee van goes back into resources to support these opportunities.

They prepared and delivered coffees and sweets to our team with a smile on their face even though at times it might not be the most comfortable situation for them.

We were able to show them around our mechanical workshop, electrical test bay and 3D printer. Feedback is they all had an incredible day and were inspired to collect their 3D printer from an affiliated school to start designing and printing for themselves.

PROMOTING POSITIVE MENTAL HEALTH & WELLBEING

PAINT IT BLUE (AND YELLOW!)

Fenner Conveyors committed to mental health awareness through its Fenner Family Talks campaign where employees wear blue hi-vis, blue tree workshops and R U OK day initiatives held at branches and sites across Australia.

These campaigns emphasized the importance of daily check-ins, encouraging team members to connect and support each other.

Fenner Conveyors to maintain a positive environment where everyone feels empowered to check in with their colleagues and speak up when in need of support.

In 2024, Fenner Conveyors also launched a new Employee Assistance Program (EAP) through provider, Clearhead. The custom portal for Fenner employees and their family offering a holistic approach to mental health and wellbeing support through a varied range of professional services and self help tools.

MICHELIN EXPERIENCE

WORLD COUNCIL

Team members, Kieara Salathiel and Nathan Bell, represented Australia for the second consecutive year at the Michelin World Council held in Clermont-Ferrand, France. The council was set up as an international body to establish open, constructive and social dialog at a global level.

Day 1 from Nathan Bell:
"We started off with a tour of Hall 32, where Michelin promotes relationships between industrial companies, young people and employees by training the youth of today to solve problems given by companies. We then had a quick look at the Cataroux facility, which included the La Manufacture Des Talents centre and how Michelin is updating the Cataroux facility to connect more with community."

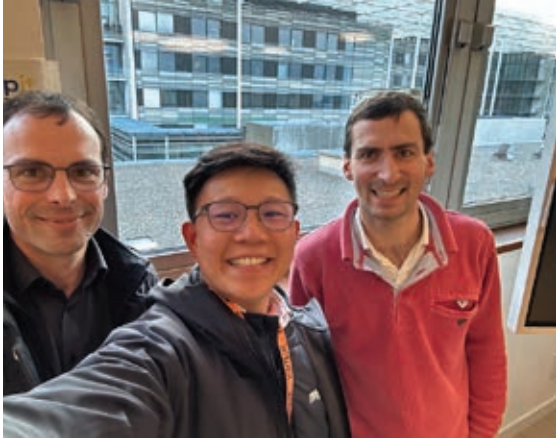
Day 2 from Kieara Salathiel:
"Another incredible day hosted by passionate Michelin leaders. There were 8 round tables all with multiple speaking languages. This year we discussed a range of interesting topics from 6 different speakers including Geopolitics, Artificial Intelligence, and IndustriALL (union representatives with Michelin).
All topics were delivered with such enthusiasm and detail. We were given time to discuss at our table. It was brilliant to see so much discussion and hear questions and points of view I myself would not have thought of!"

MINEXPO LAS VEGAS

This year, Michelin Mining exhibited at the International MINExpo in Las Vegas, where they highlighted the depth of value delivered through the 'Better Mining' model.

Fenner Conveyors and CPS were featured in areas of the booth as we contribute to the 'Better Mining' approach with Engineered Conveyor Solutions to optimize mining operations.

Specifically, our low-rolling resistant conveyor products were emphasized which gained interest from international clients.



ANNUAL TECHNICAL SEMINAR

In November, Fenner Conveyors' Australian Technical team attended the Annual Technical Seminar held at Ladoux - 10km North of Michelin headquarters in Clermont-Ferrand. Tim Briggs, Upul Silva and Brendan Beh joined various technical counterparts from Fenner operations in Europe, United States, Canada and Brazil, as well as wider Michelin Group entities.

The Ladoux facility is a test centre of excellence, set up to support the Michelin Group to serve customers better. The aim of the event is to bring together technical experts from across the Group to share the status of key innovation projects and collaborate on how we can advance the performance of key products for customers.

"Ladoux is the site at heart of research and development, so it was only fitting that this phenomenal facility hosts this important event for the Michelin Group. We're stronger together, so the direction for Michelin Group R&D is leveraging our worldwide organisation to better need the needs of the markets we serve." – Tim Briggs.

LA SESSION

In March, German Gongora and Steph Boyldew also traveled to Michelin headquarters for the annual, prestigious La-Session Program. This is unique opportunity to discover more about the Michelin group. The program brings together over 170 people from 35 different nations to work and learn collectively over an intensive three-week period.

"It was amazing to see such a diverse group of people, from across the Michelin business and the world, come together in person and online to work together on meaningful topics and to immerse themselves in learning more about the exciting world of the Michelin global businesses," – German Gongora.

"With an ongoing strong focus on Michelin's life-changing composites business stream, which Fenner Conveyors is an important part of, it was so great to see the interest in what we do in Australia and the energy and commitment from the group in exploring and expanding our capabilities as a Group and supporting companies like ours to help Michelin achieve its all-sustainable goals and move securely into the future," – Steph Boyldew

PLANET DARE TO ACT

In-line with Michelin's All Sustainable Approach, Fenner Conveyors is committed to protecting community living standards and the environmental heritage of future generations. In accepting its responsibility as a corporate member of the community, Fenner Conveyors seeks to conduct profitable business which demonstrates its commitment to protecting the quality of the air, water and soil environment.

In 2024, we continued our sustainability efforts across different areas of our business, with a focus on the Net-Zero Emission Road-map for our conveyor belt manufacturing plant based in Kwinana, Western Australia.

CPS have also introduced composite roller waste recycling, with 600kgs of sprue recycled per month and growing!

Just some of our sustainability initiatives and achievements are detailed in the following pages.


06
SOLAR INSTALLATION
07
TRILLION TREES
11
SPRUE WASTE RECYCLING

CPS EXTENDS TRILLION TREES SPONSORSHIP FOR THE THIRD CONSECUTIVE YEAR!

15 FEBRUARY 2024

CPS proudly extended our sponsorship for Trillion Trees for a third consecutive year!

As part of our commitment to sustainability and environmental stewardship, CPS are continuing to support the global effort to plant and conserve more trees for future generations. Last year alone CPS planted 97,000 trees, with some CPS volunteers planting nearly 500 trees in one single morning!

The Trillion Trees sponsorship forms part of CPS' ESG initiatives and part of the broader Fenner Conveyors Group's commitment to 'Planet'.

"We aim to source holistic solutions to internal and external environmental and social issues, whilst pioneering innovation and safety in the bulk material handling field," explained CPS General Manager - Max Herscovitz.

Since 2021 CPS has supported the Trillion Trees Australia organisation allowing them to plant just shy of 280,000 trees during the sponsorship period, as well as contributing to the running of their community nursery which is 100% volunteer run and tackles important societal issues such as social isolation, inclusivity, diversity and suicide prevention.

"This sponsorship is one our team are very passionate about so we are pleased to renew this support for another year," said Herscovitz.

CPS TEAM TREE PLANTING DAY AT TRILLION TREE'S MANDOON MOITCH RESTORATION PROJECT

In July, the CPS team visited the Mandoon Moitch Restoration Project, located on the banks of the Derbal Yerrigan (Swan River) for a tree planting day. Team members were treated to an unseasonably beautiful crisp sunny day where they managed to plant 1,960 trees as part of the ongoing work to rehabilitate the remnant wetland.

ELECTRIC FORKLIFTS: SUSTAINABLE & SAFE MANUFACTURING OPERATIONS

In 2024, both our Kwinana conveyor belt and Welshpool conveyor roller manufacturing plants installed electric forklifts as another step on our road-map to a cleaner, greener future.

Alongside obvious sustainability benefits, this solution was prompted by a safety improvement opportunity to reducing manual handling of equipment.

In steel cord conveyor belt manufacturing, spools are heavy, round and have weak side flanges due to design requirements. Traditional techniques involve lifting fork tines vertically to the upper deck. Incidents were occurring from loading creels up with spools rotating and falling from the upper deck.

This prompted the investment in customised EV forklifts featuring electrically-controlled spool lifters with 90 degree rotation capability. This custom-design allows safe handling and lifting of spools by gripping and supporting under the steel cord portions.

CPS have also since implemented a similar design to assist with the manual handling of conveyor rollers. Currently both locations are training manufacturing personnel as part of change management phase.

With many of our factories already covering their peak power demands with on-site solar (and saving tonnes of CO_2 each month), the implementation of EV forklifts is another step towards the phase out fossil fuel reliant mobile machinery in manufacturing operations like gas-driven forklifts.

BEYOND BELTING: HOW THE FENNER GROUP ARE WORKING TO DELIVER A ONE-STOP-SHOP CONVEYOR OFFERING

9 JULY 2024

PUBLISHED IN PNG MINING

Papua New Guinea (PNG) has been making strides in a mission to take its place on the world stage as a major supplier of essential resources. But there's only one way those critical metals and minerals will travel the mines of PNG to the rest of the world: conveyors.

Luckily, Fenner Conveyors has a curated team with the knowledge and experience to keep the Pacific nation rolling.

Over the years, Fenner Conveyors has established itself as a key player in PNG's mining sector, supplying conveyor belts and services to various mining operations. Having acquired Conveyor Products and Solutions (CPS), an Australian conveyor component design and engineering expert, in 2022, Fenner Conveyors is now well-positioned to deliver enhanced conveyor solutions to the region.

National sales manager Travis Lewis said CPS has also had a long history of supplying high quality conveyor rollers, idlers and pulleys to PNG.

"We've been providing support to the region for years and working with some of the biggest mines in PNG," Lewis told PNG Mining. "As part of the Fenner Conveyors Group, we can now provide a full turnkey solution for conveyor systems.

"It sets us apart as we're now the only company in the market that can deliver that full conveyor engineering expertise, service and product supply."

Equipped with ultra-modern industrial means, automation, digital, and robotic production tools, Lewis said CPS and Fenner Conveyors have the solution to an issue many mine operators face.

"Traditionally, mining clients would have to go to various companies for each conveyor component or service required, which can be tricky because components might not be optimised to work together, effecting how the overall conveyor operation will run," he said.

"But the joint position we're in as Fenner Conveyors means we can leverage the experience and knowledge of all companies within the Fenner Conveyors Group to offer our clients a one-stop-shop for equipment engineered to work together.

"It's a quantum leap in our ability to provide quality belts and rollers to PNG."

Where CPS' conveyor products were previously sold through various suppliers in PNG, Fenner Conveyors account manager Andrew Morgan said taking a 'One Fenner' approach can offer customers an added layer of care.

"We have engineering expertise and support on-hand every step of the way to combat any challenge," Morgan said.

"We have experts in pulleys, experts in rollers, experts in belting – experts for every part of a conveyor system."

This expertise is enhanced by Fenner Conveyors' parent company, global manufacturing powerhouse Michelin.

Fenner Conveyors is able to tap into Michelin's research and development capabilities to constantly re-optimise and enhance the performance of its conveyor products.

"PNG can be a very harsh mining environment with uneven terrain and extreme rain and humidity," Morgan said. "If you leave things lying around for too long, the landscape will reclaim it very quickly.

"With the support of our parent company, Michelin, we're able to expedite our research and development and get solutions on the market that thrive in such a harsh environment. This improves productivity, reduces costs, and minimizes downtime."

With mining operations nestled in hills hundreds of metres above sea level, product often has large drops between conveyors, the shock of which can quickly wear out the belt if it's not engineered for the conditions.

Fenner Conveyors' cover protection for cut and gouge resistance, ArmorShield, is demonstrating outstanding results for mining operations in PNG.

"ArmorShield is proving to more than double the life of the belt," Morgan said. "It's a great solution for the PNG market, where belts can wear out much faster than they do in other environments."

When the belt and rollers are engineered to work together, significant progress can be made towards optimising conveyor operations.

"As a group we're well positioned to support our existing customers while also investing in emerging customers in the region," Lewis said. "We've got the right culture, the right collaborations, and the right engineering skill set and of course, the right conveyor products.

"In all, we've generated a very holistic approach as one Fenner Conveyors team to support our customers in PNG."

SOLAR UPDATE: LIGHTING UP PLANTS & WORKSHOPS ACROSS AUSTRALIA

26 SEPTEMBER 2024

As part of our commitment to reducing environmental impact and supporting a sustainable future, Fenner Conveyors successfully installed solar energy systems across our manufacturing plants and service workshops throughout 2024, generating renewable energy that powers our operations and contributes clean energy back to the grid.

Why are we investing in solar? The answer is simple: it's the right thing to do. Solar energy allows us to lower our reliance on grid-generated electricity and, at the same time, contribute to the creation of green energy. This initiative aligns seamlessly with our Michelin values and purpose, as well as with our broader environmental goals. By incorporating solar power into our daily operations, we are making significant strides toward reducing our carbon footprint and achieving our key performance indicators (KPIs) within our 'Planet' pillar of the Michelin Group's all-sustainable strategy.

One of the reasons solar energy makes so much sense for Fenner Conveyors is the nature of our operations. A large portion of our work takes place during the day when sunlight is abundant, and many of our branches are located in some of the best areas in Australia for solar generation, thanks to their high solar radiance. This strategic positioning has enabled us to harness the power of the sun efficiently, ensuring maximum energy production throughout the day.

The impact of our solar initiative is already significant. Across all locations, we have installed a total of 999 solar panels, which collectively generate 807,630 kWh of energy. This renewable energy is directly powering our operations, with an estimated 546,099.6 kWh consumed by our facilities. On average, 88.5% of our energy needs are met by solar, with this percentage varying slightly across different branches.

Furthermore, we are not only benefiting from the energy we generate, but we are also contributing to the broader community. Our solar systems have allowed us to return an estimated 261,075 kWh of clean, renewable energy back to the grid. This is a vital part of our commitment to reducing reliance on non-renewable sources and helping create a greener future for all.

As we continue toward our net-zero targets, this solar energy progress in 2024 demonstrates that sustainable practices are not just a vision but a tangible, actionable reality. We are excited about the future of our renewable energy journey and look forward to unlocking more milestones on our path to environmental stewardship.

At Fenner Conveyors, we believe that every step we take toward an all-sustainable future is a step in the right direction. Together with our employees, partners, and communities, we are building a more sustainable, energy-efficient future — one solar panel at a time.

COMPOSITE SPRUE WASTE RECYCLING

15 OCTOBER 2024

As part of CPS' active road-map towards a sustainable future all of our processes are assessed for opportunities to reduce waste, reduce our carbon footprint and move CPS to the most environmentally responsible manufacturing methods possible.

Background

Capturing the waste from our conveyor roller sprue injection moulding process and re-introducing it back into the raw material stream is the latest in a long line of environmental initiatives CPS have introduced in the past two decades. CPS has always been looking for ways to decrease our products' environmental impact whilst the company grows. This composite regrind initiative helps us to "reduce, reuse, recycle", lowering our environmental footprint and moving forward to a more sustainable future.

CPS Solution

We capture the waste material prior to any further processing, reducing any risk of contamination and making the recycling process much more energy efficient and chemical free. This minimizes both environmental and quality impact of the recycling process.

Reuse of material has been absolutely successful with no change in product quality, and with a clean and reliable process for recirculation of material established.

The Results

We will now slowly ramp towards our target recycled material percentage, carefully monitoring product performance the whole way and ensuring a seamless experience not only for our customers, but also for all of our downstream processes which meticulously work on the recycled parts.

PROFIT DARE TO GROW

2024 has been marked by both challenges and remarkable achievements for Fenner Conveyors throughout our customer engagements. Despite a volatile market environment, particularly within the coal industry, we have remained steadfast in our commitment to delivering exceptional products and services to our customers.

This year, we continued to build on our legacy of innovation, expanding into new markets, enhancing our customer service, and driving value through our world-class conveyor solutions.

46
WOLLONGONG OPEN DAY

60
CPS ROLLS PINK

11
STRATEGIC CUSTOMER PARTNERSHIPS RENEWED

A YEAR OF RESILIENCE, INNOVATION & STRATEGIC GROWTH AT FENNER CONVEYORS

Fenner Conveyors' ability to offer tailored solutions, backed by decades of industry expertise, has allowed the company to build strong partnerships across a range of industries. Executive General Manager - Sales & Marketing, Trevor Svenson, shares his thoughts on customer engagement in 2024.

From mining operations to processing plants, Fenner Conveyors plays a vital role in ensuring that our customers have the right systems and equipment to meet the ever-growing demand for resources and energy, while maintaining operational efficiency and safety.

In 2024, we have seen significant traction in industries that are benefiting from global demand for clean energy and battery storage.

As demand for lithium increases, so does the need for efficient and reliable conveyor systems to transport raw materials and finished products. Fenner Conveyors' expansion into the lithium market has been a focal point in 2024, with our expertise and innovative conveyor systems helping customers in this rapidly expanding sector optimize their operations and streamline their supply chains.

Driving Customer Value: Innovation in Product Development

At Fenner Conveyors, we never stop pushing the boundaries of innovation to meet the evolving needs of our customers. This year, we've introduced several key initiatives that have helped us drive tangible value for our clients. One of the standout advancements is our focus on improving the life and performance of our conveyor belts, particularly for high-abrasion applications. We understand that operational downtime due to belt failure can have significant cost implications, and our efforts to enhance belt durability have been well-received across various sectors.

Developments to our UsFlex belting, and the launch of DynaFlex breaker fabric in Australia have driven value for customers operating in high impact applications. Additionally, significant R&D has been undertaken to further enhance our already superior cut and gouge resistant belting. These solutions have been especially popular for our mining customers where conveyor belts are subjected to extreme conditions.

By continuously improving our product offerings, we are helping our customers reduce maintenance costs, increase productivity, and extend the lifespan of their conveyor system assets.

Customer Service Commitment: Expertise and Reliability

Feedback from our customers continues to highlight what sets Fenner Conveyors apart from the competition: our unwavering commitment to service excellence and our unmatched industry expertise. When it comes to conveyor solutions, Fenner Conveyors is seen not just as an OEM or service supplier, but as a trusted partner integral to the success of our customers' operations.

Our clients consistently recognise Fenner Conveyors for our ability to operate where they operate. We understand the unique challenges and demands of each industry we serve, and we're always ready to provide the right solutions, whether that means on-the-ground support, fast and reliable delivery, or expert consultation. As one customer put it, "Fenner Conveyors are the experts when it comes to conveyors," and we take great pride in this reputation.

Moreover, it's our holistic approach—offering a complete package of products, services, and ongoing support—has earned us the distinction of being an indispensable part of many of our customers' operations.

From design and installation to ongoing maintenance and troubleshooting, our teams are there at every stage, ensuring that our clients' conveyor systems are running smoothly and efficiently.

Trevor Svenson
Executive General Manager
Sales & Marketing

DRIVING VALUE NATIONALLY IN 2024

We asked our Account Managers to share some of the most valuable conveyor solutions delivered to clients this year...

Challenge: Premature belt change-out, outside shut cycles with repairs required.

Solution: MZ-AR abrasion resistant conveyor belt.

Fenner Conveyors engineers worked with the site to devise a solution from our array of cover compound options. MZ-AR was selected for top and bottom covers and reels were fabricated to suit for transportation to site.

The MZ-AR belt is performing 115,000 tonnes per mm better on wear rate than the previous belt. MZ-AR belts have now been installed on another two conveyors and the client is looking for more opportunities on-site.

Challenge: Fraying belt edges + operating issues in Drift and Rip Detection systems on Primary Crusher Discharge conveyors.

Solution: A unique mix of short & long term conveyor solutions featuring mechanical maintenance and engineering services.

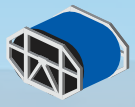
The long-term solution was executed by providing specialist mechanical services from Fenner Conveyors' Pilbara service operation to address the root-cause of the issue; conveyor mis-alignment. This was combined with an interim solution of manufacturing the UsFlex belt with sealed edges to remove the risk of belt edge damage. As a result, frequent downtime has been eliminated, returning millions of dollars in lost production every month.

Challenge: Frequent roller failures causing unscheduled downtime and lost production.

Solution: CPS heavy-duty composite roller.

Conducted site visits to identify root-cause and provide an engineered solutions. Significantly increased roller life and unscheduled downtime reduced dramatically.

245,000m
AUSTRALIAN MANUFACTURED CONVEYOR BELT



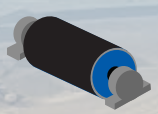
280,000
CONVEYOR ROLLRS

6,000
IDLER FRAMES

11,000
DIGITALHUB CONVEYOR INSPECTIONS

600
BELTGAUGE THICKNESS TESTS

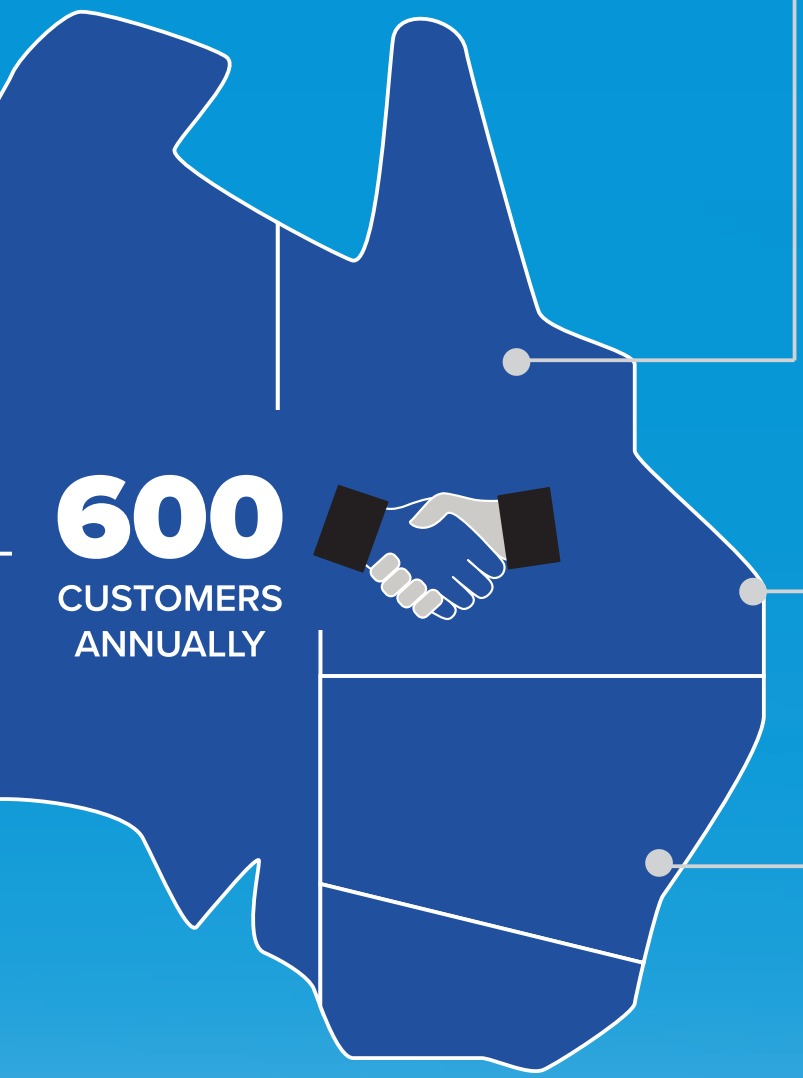
850
CONVEYOR PULLEYS



Challenge: Reduce the impact of wharf conveyor roller noise on the residents and wildlife population.

Solution: Bulk roller change-out with CPS Yeloroll-HD.

Ongoing project with noise studies taken prior to the install of Yeloroll-HD and will be taken again on completion of the install. Yeloroll-HD has already successfully improved conveyor performance.



600
CUSTOMERS ANNUALLY

Challenge: Emergency maintenance on critical conveyor belt with no spares on-site.

Solution: Hybrid splice to enable temporary use of two contrast belt types - ST1600 and ST3150

Fenner Conveyors engineers assessed available belts on-hand for a temporary solution while replacement belt was manufactured to avoid significant production loss. A highly customised splice design was engineered, supported by laboratory testing to verify compatibility across different rubber compounds used in the two belts. The conveyor was returned to service almost a month earlier than would have been possible if they had to wait on new belt manufacture.

Challenge: Urgent supply of trunk conveyor for coal mining operation.

Solution: Supply of caddy conveyor system.

The ACE Mackay workshop completed minor modifications to an existing caddy conveyor, making it modular, simple and efficient to install. The conveyor was fully mocked up prior to delivery to ensure ease of final assembly and allow for client inspection. This approach ensured efficient and safe installation could be achieved for the client.

Challenge: Supply of Conveyor Belt for two major underground trunk conveyor systems at a colliery.

Solution: FireBoss S cover protection.

Fenner Conveyors supplied 12.5km of 1800mm wide, 4 ply crowsfoot weave with FireBoss S grade covers for superior fire resistant and anti-static protection.

80,000
HOURS ENGINEERING CONVEYOR SOLUTIONS

1.5mil
HOURS SERVICING CONVEYORS

1,000
MAJOR BELT CHANGE-OUTS

CORE
FENNER CONVEYORS AUSTRALIA CAPABILITIES

- CONVEYOR BELT
- CONVEYOR ROLLERS & IDLER FRAMES
- CONVEYOR PULLEYS
- CONVEYOR SUBSTATIONS & ELECTRICAL CONTROL SYSTEMS
- CONVEYOR ENGINEERING SERVICES
- CONVEYOR MAINTENANCE SPLICING & MECHANICAL
- CONVEYOR TECHNOLOGY & WEAR MONITORING

MOST COMPREHENSIVE CONVEYOR OFFERING IN AUSTRALIA

EMERGENCY CONVEYOR REMEDIATION WORKS

29 JANUARY 2024

Fenner Conveyors supplies conveyor belts for Rio Tinto's Western Turner Syncline (WTS) system. Located in Western Australia's Pilbara region, the WTS system is 24Km long and is the key link between Tom Price and Western Turner mines.

Challenge

During a shift, the WTS overland conveyor system had an emergency breakdown, resulting from a (non-Fenner Conveyors) tail pulley failing causing belt damage along the main conveyor system. Breakdowns like this bring the entire operation to a halt, and thus Fenner Conveyors was engaged to remediate the emergency situation quickly and efficiently to save the client downtime.

It was important for the Fenner Conveyors team to complete urgent belt recovery works, including a belt pull, insert and splicing as efficiently and as safely as possible to get Rio Tinto's WTS system back up and running.

Fenner Conveyors Solution

- Belt pull calculations completed to understand the requirements to build a recovery plan.
- Supplies were fast tracked to ensure we were ahead of schedule.
- Emergency splice kits manufactured and air freighted to site.
- Increased number of employees to prepare for major works and to recover the system.

"Fenner Conveyors' execution of this job was the perfect demonstration of our speed of response and the exceptional capability within our service and engineering teams in such situations. We thank Rio Tinto for the opportunity support in this emergency and look forward to being of service for many years to come."

The Results

- Due to efficient job execution, the service crew were one shift ahead of schedule and had the system successfully remediated and back in operation 23 days after the emergency call out.
- Zero quality or splicing issues.
- The client was extremely satisfied with the performance of the team involved to get their system up and running again.

Remediation Timeline

Saturday
Initial breakdown call. Belt calculations completed.

Sunday
Plan for methodology of recovery.

Monday
Plan confirmed. Fenner service team set up works. 3 splice kits urgently produced.

Wednesday
Preparation for works continue. Splice kits arrive.

Thursday
A further 12 Fenner Conveyors service employees arrive to, stepping up preparations.

Friday
Work commences to recover the system.

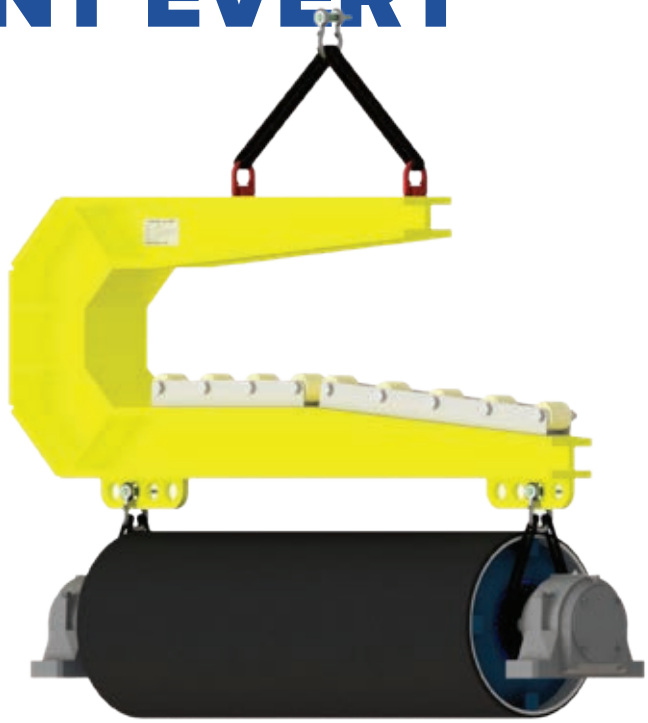
Saturday
Winder equipment & counterweights set up.

Sunday
Belt arrived from Kwinana - 7 days after the breakdown call. New belt set up for installation while damaged section removed.

Monday
Belt pull 1 of 2 on damaged section begins.

Tuesday
Belt pull 2 of 2 complete. First 3 splices commenced.

PULLEY LIFTING FRAMES: THE EQUIPMENT EVERY MINE NEEDS!



Safe & Efficient Solution

Part of our engineered equipment range for the maintenance and servicing of conveyor systems, ACE pulley lifters offer a simple, effective solution for pulley maintenance and service challenges commonly seen with conveyor systems.

The C-style structure loops and lifts the belt out of place, removing the weight from the belt to provide safe access to pulleys.

Used during pulley change-outs or maintenance and calibration procedures, ACE pulley lifters have been shown to significantly improve pulley replacement times while eliminating hazardous lifting tasks.

Features

Belt friendly - C-Shape allows for streamlined lifting of belt for pulley insertion or removal without cutting belt.

No moving parts - Unlike other equipment on the market that include extensive adjustments during usage, ACE pulley lifters use a simple design to avoid the potential for things to go wrong.

Made In Australia

Custom Designs

ACE pulley lifter designs can be easily modified to suit existing structure, belt widths and lifting requirements. We have designed and supplied various styles of pulley lifting frames, all designed to simplify and improve safety and efficiency of conveyor maintenance processes and pulley replacement.

SKF-EQUIPPED: CONVEYOR PRODUCT PARTNERSHIP

21 MARCH 2024

Partners in Excellence

Renowned for our commitment to quality and performance, CPS has earned a global reputation as a trusted partner for conveyor companies across the globe – and our pursuit of excellence doesn't stop there. At CPS, we continually seek strategic partnerships to enhance our conveyor products and services offering and provide customers with innovative and fit-for-purpose solutions.

A pivotal partnership for CPS is with SKF, a global leader in bearing and rotating technology. This collaboration merges our conveyor expertise with SKF's renowned bearings and engineering proficiency, delivering unparalleled performance and reliability to conveyor systems.

CPS' SKF-Equipped Products

Under the "SKF Equipped" banner, we offer a comprehensive range of conveyor products integrating SKF's high-quality bearings and advanced engineering solutions. These SKF Equipped products are designed to optimise conveyor performance, minimise downtime, increase reliability, and maximise productivity across various industrial applications.

Elevating Conveyor Reliability

In a recent interview with CPS and SKF stakeholders, Warren Sexton, CPS General Manager (at the time - now Fenner Conveyors Executive General Manager - Manufacturing) highlighted one of our notable projects: "This is the first project in the world that we're aware of in terms of long overland conveyors

using fully composite roller solutions."

The pioneering endeavour, tackling the challenges of Australian mining terrain, involved approximately 150,000 meticulously engineered SKF bearings.

"Long-term reliability with SKF bearings is extremely good and often outperforms what is theoretically catalogued or possible within the industry," explained Sexton.

Matthew Einhorn, CPS General Manager (at the time - currently Executive General Manager - Engineering) said, "It's critical that we understand how the products are going to perform, and we have good confidence in the reliability of those products out there in the mining region."

This reliability was accentuated further by the joint efforts of SKF and CPS in designing customised seals and grease types, as noted by SKF Australia Managing Director Simon Flint: "We worked closely with CPS to design specific seals and grease types for the bearing. Combined with their housing seal design, it was a perfect match, delivering exceptional reliability."

"It's a relationship built on trust and understanding, and we've always worked very closely together," Einhorn added.

Sexton noted that this collaboration with SKF is "A flagship project for the world in terms of power consumption and tracking performance on such a long and complex geometry of conveyor systems."

Einhorn highlighted: "All in all, I think for all parties involved, it was a great success story. I think it's changed the way that the mining industry views conveying going forward."

CPS' partnership with SKF and the integration of SKF Equipped solutions represent a significant advancement in conveyor technology.

Delivering enhanced durability, reduced maintenance costs, improved efficiency, and customised conveyor solutions, CPS' and SKF's partnership has set a new standard for conveyor reliability and performance for conveyor operations worldwide.

SETTING A NEW STANDARD FOR QUALITY AND PERFORMANCE OF CONVEYOR PRODUCTS

PULLING IN PERFORMANCE PULLEYS

26 MARCH 2024

PUBLISHED IN AUSTRALIAN BULK HANDLING REVIEW

Fenner Conveyors started the year by unveiling a new conveyor pulley and engineering facility, just down the road from its existing Wollongong premises.

Replacing a pulley can be an expensive and time-consuming exercise. It requires stopping the conveyor, slacking the belt to remove the pulley, and re-tensioning and checking the belt is operational and tracking correctly. All of that usually entails a minimum of one day of downtime, which can be a significant cost in the mining and industrial space.

The benefits from pulley manufacturing and pulley refurbishment being performed in a controlled environment are widely recognised within the industry. It reduces the risk of containments impacting pulleys while the dedicated maintenance helps expand their life-cycle.

These factors give the best opportunity to create high-quality, well-engineered pulleys that customers can trust for reliability and productivity.

Demand for Fenner Conveyors' pulley manufacturing and refurbishing was high. Fenner Conveyors pulley refurbishment coordinator for Wollongong, Thomas O'Rourke, explained how this demand prompted the strategic investment in manufacturing facilities in the Illawarra region.

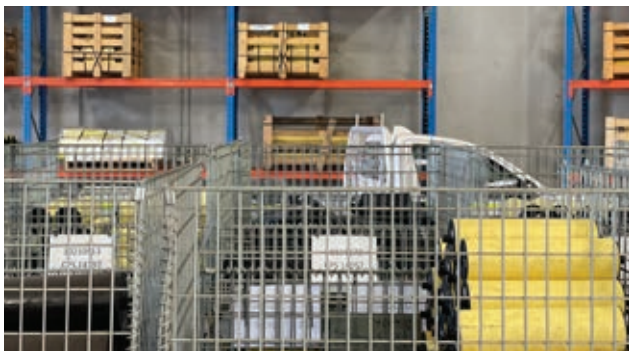
"Prior to the new facility, we had set up in the back corner of our existing Wollongong service centre.

O'Rourke and his team quickly outgrew this spot as the company waited to unveil the new pulley facility, which was opened in January of this year. He said a key benefit of the new centre is that Fenner Conveyors have increased capacity to meet customer demands.

"We found with most of our customers that their biggest requirement was quick lead times and turnarounds," he said. "It was a key component of the work we started doing; we could turn a pulley around in a week, and we have done it in a day for customers who have had a failure on-site.

"Being able to enter the quick response market has been a no-brainer for us."

THE NEW FACILITY ALSO INCLUDES SUPPLY FOR CPS' CONVEYOR ROLLERS FOR THE ILLAWARRA REGION.



Fenner Conveyors' Wollongong branch manager, Cameron Clark, said there was an opportunity to bring an enhanced level of conveyor service to the Illawarra region.

The 2,200sqm facility, located in Port Kembla only 300m away from Fenner Conveyors' original service location, is the business' newest addition following the opening of a state-of-the-art pulley facility in Mackay recently to great success. Fenner Conveyors and ACE moved into the 21,500 sqm Mackay hub in 2022 to bring shared capabilities under one roof.

"From a lot of customer feedback, we found that there wasn't much competition around for pulleys in the Illawarra region," Clark said.

"Based on Mackay's success, they were in a similar situation a few years ago when they opened a pulley workshop. They were new and didn't have much competition in the market.

"(We felt) we could replicate that success and that it was a really good opportunity."

One of Fenner Conveyors' main clients lies across the road from its Wollongong base - BlueScope Steel.

As one of the country's biggest suppliers and manufacturers of steel, BlueScope's conveyor and pulley set-up is significant. It has more than 500 conveyors with multiple pulleys that all take high-load.

BlueScope entrusts Fenner Conveyors' highly-trained Wollongong team to deliver high-quality solutions to keep refurbishing its pulleys and supply new ones. Fenner Conveyors was recently contracted for more than 100 refurbishments and new pulleys altogether.

"As one of our biggest customers service-wise, it's been invaluable for both parties being right next door to scope, discuss and deliver pulleys," Clark said.

Yet, it is not just Fenner Conveyors' Illawarra customers who benefit from the new Wollongong addition. The enhanced capabilities of the workshop will also bolster the company's offering nationally. Clark said customers will benefit from the ability to work with a supplier across multiple conveyor product and services ranges.

"If it is supported by the same company, I think that is an advantage," he said. "It is a benefit for the customer being able to go back to the one supplier for solutions throughout the life of a conveyor system."

Further to engineered pulleys and conveyor components, Fenner Conveyors' newly established national service model enables customers to benefit from Fenner Conveyors' nationwide labour resourcing.

"When different areas may need support, we're able to share resources and support that capability nationally," Clark said.

"It's about having the right products, installed and maintained by the right people, to ensure the best operational outcomes for our customers."

Fenner Conveyors is allowing customers to contact the Wollongong site to tour the new facilities and see how it could benefit their business. To arrange a visit, contact the Wollongong Team.

BHP & FENNER CONVEYORS RENEW PARTNERSHIP

FOR AUSTRALIAN MADE MANUFACTURING THROUGH NATIONAL SUPPLY OF CONVEYOR BELTING

28 MARCH 2024

Leading manufacturer of conveyor belting for mining and industrial applications, Fenner Conveyors, has been successfully awarded a five-year contract with BHP for the supply of conveyor belt and splice kits nationally. This partnership underscores BHP and Fenner Conveyors' commitment to supporting industry growth through Australian manufacturing.

Executive General Manager and Account Manager for BHP, Trevor Svenson, said Fenner Conveyors' expertise in conveyor solutions will enhance efficiency and reliability in transporting iron ore from mine to port.

"BHP plays a crucial role in the mining sector. The seamless installation of our Australian-made conveyor belting will ensure uninterrupted operations, contributing to BHP's success."

Fenner Conveyors' partnership with BHP has spanned over 15 years. In the last three years alone, Fenner Conveyors has successfully delivered over 540 kilometers of Australian-Made conveyor belting to BHP operations across Australia.

This includes major projects such as the 26km overland conveyor for South Flank mine, where Fenner Conveyors and subsidiary brand, Conveyor Products & Solutions (CPS) delivered one of the most advanced, reliable and cost-effective overland systems in the world. The system was delivered with Australian-made steel cord belting with market-leading PowerSaver cover protection for energy efficiency. CPS also designed and manufactured overland conveyor idler systems, with a combination of high-tolerance idler frames and composite roller technology.

BHP operations in Australia cover Iron Ore, Coal, Nickel and Copper – a robust portfolio requiring tailored and highly-engineered conveyor belting solutions. With manufacturing facilities in Victoria, New South Wales and Western Australia, Fenner Conveyors is well-positioned to meet the demands of BHP's extensive operations.

Executive General Manager and Account Manager for BHP, Trevor Svenson, said as a strategic partner of BHP, we look for opportunities in both the short and medium-to-long term to enhance conveyor solutions across BHP's entire minerals Australia portfolio.

"We are a leading supplier to the Australian mining industry, and this means we are acutely aware of the key challenges our industry faces: the increasing demand for sustainable and low-carbon solutions that reduce environmental impact and enhance social value; the need for innovation and digital transformation to improve productivity, efficiency, and safety; the challenges of operating in remote and complex environments that require reliable and resilient infrastructure and logistics; and a consequent need for collaboration and integration across the value chain which enable synergies and optimisation."

"This is why our partnership with BHP is based on our ability to supply and support BHP's national operations through strategic alignment," explained Svenson.

Fenner Conveyors' comprehensive OEM offering extends beyond traditional conveyor belts. With a focus on engineering excellence, the company designs, supplies, and installs every part of a conveyor system. Digital technologies, supported by its field service teams, enable real-time monitoring, tracking and optimisation.

"Our adaptability ensures reliable performance and continuous improvement."

A common challenge for overland conveyor systems, such as those in BHP's iron ore operations, is accurate and timely detection and mitigation of belt rips. Principal Engineer, Mike Finlen, said this is an area which Fenner Conveyors have significant service knowledge and have developed innovative rip detection solutions.

"One of our points of difference is our ability as an OEM to develop products that address the issues we see in the field, and provide technical support to ensure any equipment remains operational and effective well past the commissioning period."

"When this is combined with our high quality, locally manufactured belting with exceptional energy efficiency factors particularly relevant in overland conveyor applications, we are able to bring significant value to the BHP business," says Finlen.

Fenner Conveyors' commitment to Australian manufacturing is unwavering. With supply contracts such as this one with BHP, Fenner Conveyors contributes to the local economy, creating jobs and fostering growth. The contract represents a shared vision of sustainability and progress, aligning with Australia's broader economic goals.

"The Australian mining industry fuels global growth, and our partnership with BHP exemplifies our commitment to sustainable operations for both businesses into the future. We're proud to support BHP's operations and contribute to Australia's economic prosperity," said Svenson.

"This contract reinforces our position as a market leader. We look forward to delivering exceptional value to BHP over the next five years."

HOW FIREBOSS LEADS THE MARKET IN UNDERGROUND MINING CONVEYOR BELT SAFETY

12 APRIL 2024

In the dynamic world of underground mining, safety, reliability, and performance are paramount.

At Fenner Conveyors, we understand the critical importance of providing conveyor belt solutions that mitigate risks and ensure the safety of personnel and assets in challenging mining environments. That's why we've trialled and tested, developed and enhanced our S grade cover compound, 'FireBoss S', specifically engineered for underground mining applications with industry-recognized certification, compliance and superior performance.

What is FireBoss?

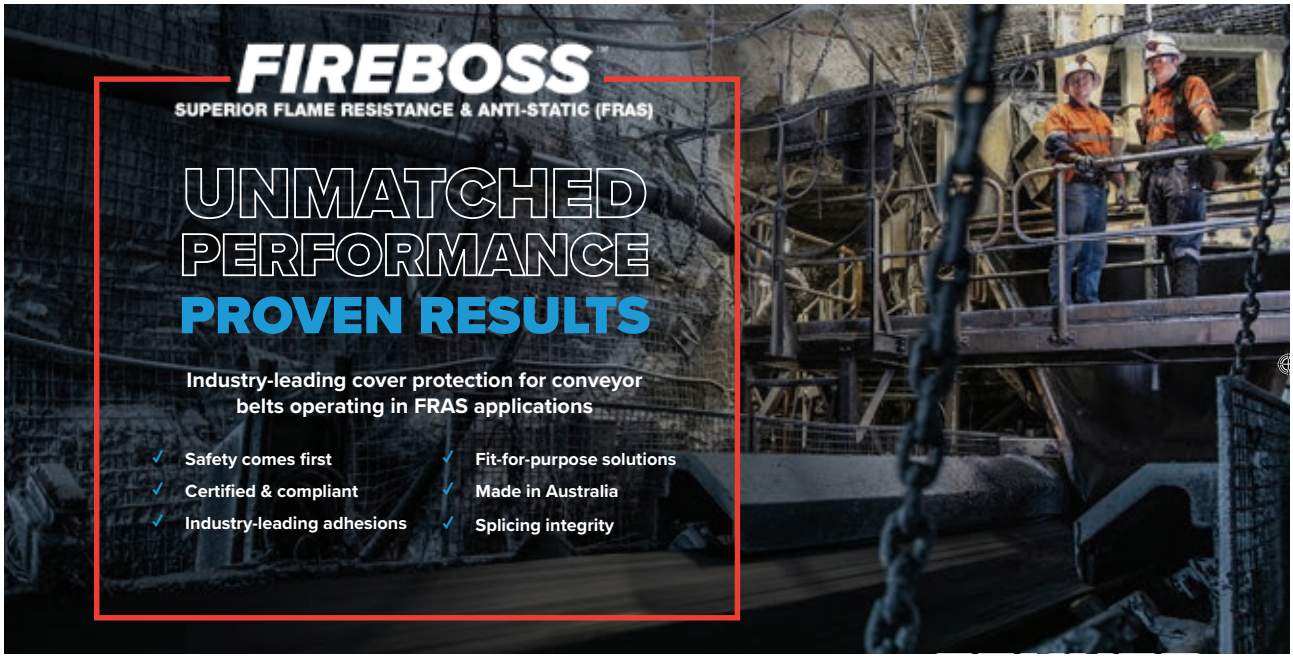
FireBoss isn't just another conveyor belt cover compound – it's the result of decades of expertise, innovation, and a relentless commitment to safety and performance. Designed and manufactured right here in Australia, FireBoss is tailored to withstand the demanding conditions of underground mining operations, offering unparalleled protection against static and fire hazards, impact, and other environmental Why FireBoss Leads the Market.

We asked subject matter experts across our business to explain why they believe FireBoss is the market-leading option for underground mining applications - here's what they said!

Safety Comes First

For underground mining, safety isn't just a priority – it's a non-negotiable necessity. Conveyor belts have the ability to spread a fire along the path of the conveyor and the consequences can be catastrophic.

The biggest factor in the product development of FireBoss is the significance of ensuring safety of personnel and operations at site. Branch Support Manager, Craig Larkin explains, "The nature of underground mining hazardous. Our customers trust FireBoss because it's not just about the upfront cost; it's about investing in safety and mitigating the potential for catastrophic losses." Basically, FireBoss works to mitigate risks in an inherently high-risk environment.



Consistency and Reliability

Fenner Conveyors has an extensive track record in manufacturing and developing the FireBoss compound in Australia. Senior Mechanical Engineer, Taylor Jobson said, “Our customers trust us because we’ve consistently delivered quality in this product for over 30 years. With FireBoss, they know they’re getting a product they can rely on.”

With this level of experience developed over time, Fenner Conveyors provides an unmatched level of technical expertise to its customers. “Our team engineer and design belts for unique customer applications, with consideration to pulley diameters – a significant factor in ensuring a fit-for-purpose solution.”

Unmatched Performance through Proven Results

Business Development Manager, Dean Callaway, underscores the importance of performance - a factor that sets FireBoss apart from the competition. “It’s about performance, and performance is awarded over time. We know that if a belt doesn’t perform, our customers will go elsewhere,” explains Callaway. “Our customers choose Fenner Conveyors because our conveyor belts deliver, time and time again. Our extended warranties are a testament to our confidence in FireBoss’ ability to perform under pressure.”

Recent compound testing performed by Fenner Conveyors clearly shows the FireBoss compound as being market-leading in abrasion resistance, adhesions, tear resistance and reduced aging. This means your belt is longer lasting, as well as more resilient to abrasive and high-impact mining conditions. Tramp metal is a common culprit of savage belt damage, but what we see time and time again is FireBoss helping to stall the belt as opposed to the belt tearing completely upon tramp metal impact.

Recoverability for Mine Sustainability

Reducing operational impact on the environment has grown to be a key focus for mines across Australia. It’s imperative that mines reduce waste resulting from operations, with a high contributor to this being used and changed-out conveyor product.

Fenner Conveyors’ FireBoss S compound has a proven track record of as much as 85-90% recoverability for main-gate ply belt in longwall mining applications. At some coal mines in Queensland, clients have been able to recover and reuse 8.5-9km from every 10km of belt used in longwall mining for the next mining block. What this means for the mine is longer time in service of belts purchased and therefore less belts in the graveyard.

And remember – Reuse before recycle. While end-of-life solutions for conveyor belt are a priority, avoiding waste and reusing conveyor belt is more preferable in waste management and should be ensured before exploring recycling options.

Local Expertise and Support

Another key advantage of choosing Fenner Conveyors is our local expertise and support. Technical Manager R&D, Christopher Ball, said “Being a local OEM gives us a unique edge. We understand Australian conditions inside and out, and we’re equipped to provide flexible manufacturing solutions and swift support, especially in emergency situations.”

All Fenner Conveyors rubber cover compounds, including FireBoss, are tailored to match conveyor belt fabric carcasses which are weaved in-house.

Proudly Australian-Made, Supporting the Local Economy

Beyond delivering cutting-edge conveyor belt solutions, Fenner Conveyors is committed to supporting the local economy and community. “When you choose Fenner Conveyors, you’re not just investing in superior products – you’re investing in Australia,” explains Ball. “With local supply chains, we’re proud to contribute to the growth and prosperity of our local economy.”

With FireBoss you’re not just getting a conveyor belt – you’re getting peace of mind. Trust the product that’s been trusted for over 30 years. Trust Fenner Conveyors. Trust FireBoss.

LOADING UP FOR PULLEY SUCCESS

14 MAY 2024

PUBLISHED IN AUSTRALIAN MINING

Fenner Conveyors demonstrates the value of testing pulleys at run-conditions prior to site installation, saving a Bowen Basin coal mine potentially millions in part replacement and downtime.

Conveyor systems are a cornerstone of the mining process chain. Within a conveyor system, pulleys are critical pieces of equipment, driving the conveyor belt and enabling change of belt direction.

When equipment fails and a conveyor stops, millions of tonnes of product come to a standstill. That translates to lost productivity and an astronomical financial cost to operators.

This exact issue could have been the fate of a coal mine in Queensland's Bowen Basin if Fenner Conveyors and its conveyor engineering division, Australian Conveyor Engineering (ACE), had not been contacted to perform load testing of pulleys prior to installation on site.

The mine wanted to ensure the quality of (non-ACE) conveyor pulleys before installing in underground operations and contacted its long-time supplier, Fenner Conveyors, for help.

With a network of manufacturing and service locations across Australia, Fenner Conveyors was well positioned to rise to the challenge quickly and efficiently.

ACE was engaged to perform pulley load-testing services, using local, in-house equipment designed to meet the needs of any site.

"Our load-testing machine can be customised to simulate any conveyor condition, giving us a highly accurate report on the pulley performance, revealing any faults before the pulley even gets to site," ACE engineering operations manager Dean Bazley told Australian Mining.

ACE's load-testing machine also comes with real-time condition-monitoring thanks to the company's partner, SKF, allowing for instant reportage of even the slightest issue.

Bazley said that of the 16 pulleys ACE analyzed with its load-testing machine, six failed to hold up against vibration due to issues such as bearing faults.

“Had the mine site’s pulleys failed on the conveyor and needed replacing, the cost per pulley would be extremely high given the difficult conditions of underground mining, not to mention substantial lost production due to downtime,” Bazley said. “That’s where our load-testing machine really proved its value.”

ACE has been bringing pulley solutions to the Australian mining industry for more than 20 years. But since joining the Fenner Conveyors Group in 2012, both businesses combined forces to become a one-stop shop for the sector’s conveyor needs.

By doing more than completing the load testing for the customer and replacing the unfit pulleys with ACE engineered alternatives, ACE general manager Mark Wilcock emphasized Fenner Conveyors and ACE’s combined ability to deliver complete conveyor solutions to its customers.

“Since the beginning, Fenner Conveyors has developed a strong relationship with the mine site through supplying all their conveyor belting,” he said.

“And today, we’re extending that relationship to include mechanical and electrical engineering and product overhaul supply that realise the benefits of our one supplier offering.”

Wilcock said the customer has been extremely satisfied with the commitment of the Fenner Conveyors Group, which has seen savings materialize beyond the site.

“We’re the only player on the east coast of Australia with this kind of pulley testing capability, meaning mines have a highly-valuable solution in their backyard, eliminating the need to ship pulleys across the country for testing where they might be out of action for weeks,” he said.

“Having pulleys travel over thousands of kilometers of road also has the potential to add bearing damage and shorten the life of the pulley, meaning more downtime and lost production.”

While the Fenner Conveyors Group offers a load-testing service for its competitors’ pulleys, Wilcock said the best way to ensure maximum quality is to rely on Fenner Conveyors’ Australian-made pulley offering from the outset.

“Our pulley quality assurance is unmatched,” he said. “We have stringent processes in place to eliminate faults, such as building our pulleys in a clean-room environment and wrapping the pulleys in UV-stabilized protection to guard against any conditions.”

“It’s all about ensuring our customers’ operations keep running smoothly with instant access to conveyor engineering support when they need it.”

MODULAR CONVEYOR SOLUTIONS FOR NORTH-EAST LINK PROJECT

28 MAY 2024

In the realm of infrastructure development, Fenner Conveyors has emerged as a leader for customised and modular conveyor solutions, with recent success delivered for a key infrastructure project in Victoria.

The North-East Link Project plans to fix missing links in Melbourne's freeway network, take 15,000 trucks off local roads every day, and reduce travel times by up to 35 minutes. To create these vital transportation lines, 6.5km of tunnels are being constructed spanning regions beyond Melbourne CBD.

The Fenner Conveyors team in Dandenong, Victoria have supported this project with the delivery of a custom-designed concrete conveyor system.

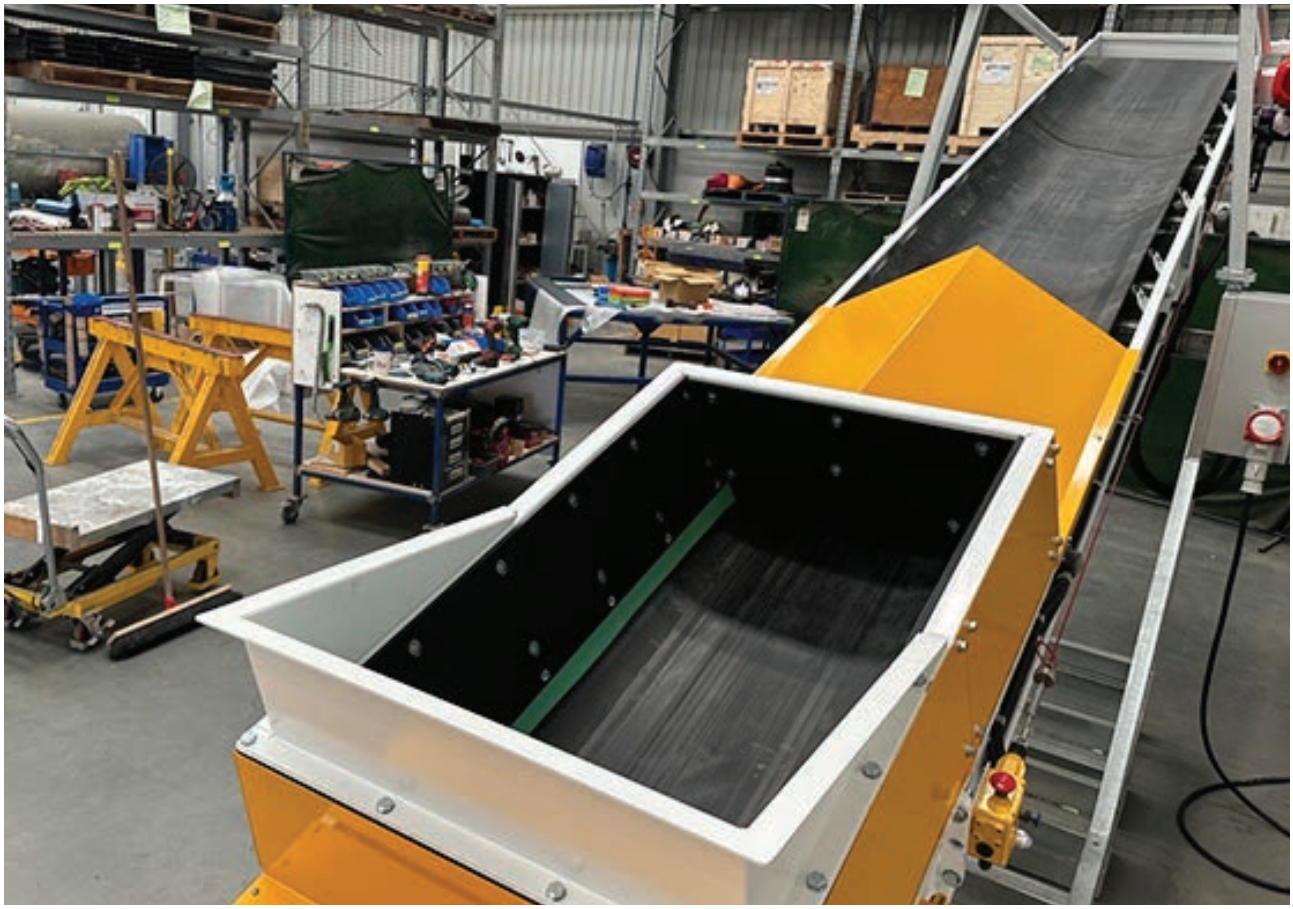
Modulaveyor systems are ideal for construction projects, through a light-weight design for easy transport and installation. Being easy to assemble and disassemble, modulaveyors are the perfect option for conveyor systems that need to be relocated regularly across the duration of a project – such as the North East Link Project.

The purpose-built modulaveyor system, engineered and fabricated by our team in Victoria, will load concrete into moulds with segments making up the new tunnel.

North East Link Precast Superintendent, Peter Nugent, said the modulaveyor system is helping to streamline the construction process, facilitating the swift assembly of tunnel infrastructure with unparalleled accuracy.

"We are highly impressed with the conveyor engineering expertise of the Fenner Conveyors team in Victoria and the delivery of this custom solution in a short time-frame."

Over the course of the 15-month project, over 4,000 concrete segments will be made using the specialised conveyor system, equating to 24,000 cubic metres of 50mpa concrete weighing a total 57,600 tonnes.



General Manager - Service Operations South, Glenn Nijenhuis said that at the heart of Fenner Conveyors' modulaveyor systems lies its adaptability and engineering precision.

"Unlike traditional conveyor solutions, the modulaveyor system offers a customisable approach tailored to the unique demands of each project. The versatility of our modulaveyors ensure seamless integration into diverse construction workflows, maximising efficiency and minimising project disruptions," explained Nijenhuis.

Even with a light-weight design, modulaveyors are engineered to withstand the rigors of construction environments. By harnessing Fenner Conveyors' modulaveyor systems, construction projects can achieve unprecedented levels of productivity and precision.

Beyond the North East Link project, Fenner Conveyors' modulaveyor systems continue to revolutionize bulk materials handling projects. From underground tunnels to surface quarries and warehouse logistics, this innovative conveyor solution offers performance and versatility, driving progress and innovation in diverse industries across Australia.

CPS ROLLS OUT PINK AT ROY HILL FOR BREAST CANCER AWARENESS

3 JUNE 2024

Roy Hill's introduction of pink mining equipment in support of breast cancer awareness has been brightening the industry for over 8 years, with supplier participation welcomed when delivering mining equipment and components to site. Now, CPS' roller supply to all Roy Hill locations will feature pink flingers (end caps).

CPS has been supplying Yeloroll-HD to Roy Hill sites for market-leading low-rolling resistance and noise reduction. During a recent site visit to Roy Hill Port, the CPS team inquired about areas of improvement.

Site Support Manager, Peter Harrison, said asking customers for feedback is part of standard procedure for CPS. "It allows us to identify new innovations which will meet the needs of our customers, as well as ensure our customers are satisfied. Our aim is for all customers to remain customers."

Amongst lots of positive feedback – great communication and customer service; punctual; high level of customer service" – CPS pushed for ways they could enhance the relationship. The suggestion came for CPS to supply their conveyor products in pink.

"While we couldn't change the colour of the roller shell due to safeguarding brand identity (CPS are the pioneers for composite rollers and the yellow is our mark), there are other components of a roller which could be utilised."

"We identified that colouring the flingers pink was a great opportunity to align with the Roy Hill's initiative whilst delivering a fit-for-purpose conveyor solution."

And so, CPS got to work!

"Because of our digitized manufacturing processes, we were able to capture the job for Roy Hill Port which was already in the system and update the live order with the design change to pink flingers."

Over the years, CPS has invested in automated manufacturing processes at the Welshpool plant in WA, allowing for quick turnaround to customers across Australia. CPS manufactured and delivered the order of 250 rollers for Roy Hill Port within 21 days.

To further enhance the offering, rollers were installed by Fenner Conveyors' field service team as soon as they arrived on site, making it a seamless process from start to finish.

"Because we are part of the Fenner Conveyors Group, we can work collaboratively on projects such as this. Fenner Conveyors' mechanical technicians know our products and can mitigate any issues resulting from inadequate install."

Throughout the orders for Roy Hill Port and Mine operations, CPS

INCREASING EFFICIENCY & REDUCING ROLLER WEIGHT WITH CPS YELOROLL-HD

CPS was contacted by a major copper producer in Peru to assess and improve the lifespan and manual handling of rollers used in a critical 96" conveyor. The conveyor, responsible for transporting over 10,000 tonnes per hour (TPH), experienced frequent roller failures and presented ergonomic challenges for the maintenance crew due to the heavy weight of the steel rollers.

Challenges on Site

The existing steel rollers in the loading area weighed 42 kg each and exhibited low reliability, particularly with frequent bearing failures leading to unscheduled stoppages. In the return area, the heavier steel rollers (weighing 59 kg each) posed a significant physical strain on maintenance crews during installation and replacement. Additionally, fine mineral particles were bypassing roller seals, leading to bearing damage, increased friction, and in severe cases, posed risks of fire or conveyor belt damage.

CPS Solution

CPS conducted an in-depth assessment of the site and identified the failure modes, with an emphasis on improving both safety and operational efficiency. After performing engineering calculations, CPS recommended a comprehensive solution involving the installation of Yeloroll-HD composite rollers and

CPS Polyurethane Discs

The CPS Yeloroll-HD rollers, installed in the loading area, reduced roller weight from 42 kg to 27 kg, making them much safer and easier to handle during maintenance.

The team also installed CPS Yeloroll-HD rollers in the return area, cutting the weight from 59 kg to 33 kg—26 kg lighter than the steel rollers they replaced—significantly reducing the strain on workers.

Results

The Yeloroll-HD rollers, engineered with high-strength composite materials, have been in operation for more than 200 days without any signs of wear or damage.

The rollers have also shown no evidence of fine mineral infiltration into the bearings or accumulation of particles on the composite roller shell, which remains at its original diameter of 178 mm.

At CPS, we continue to push the boundaries of roller technology, delivering innovative solutions to the global mining industry.

SMOOTH, ACCURATE & RELIABLE BELT TRACKING SOLUTIONS

12 JUNE 2024

Conveyor belt tracking frames are a common solution in material handling, however design and configuration is where innovation comes into play. Selecting the right solution can play a pivotal role in maintaining conveyor belt alignment, reducing downtime, and enhancing productivity.

What are Belt Tracking Frames?

Belt tracking frames, also known as belt training frames, are specialised components integrated into conveyor systems to address the challenge of belt misalignment. They are designed to correct and maintain the position of conveyor belts, keeping it centred and material secured during operation. This proactive approach helps prevent issues such as belt mis-tracking, which can lead to costly disruptions such as belt damage and significant material spillage. Above all, mis-tracking can lead to structural failure which can cause safety hazards including fire from the friction.

CPS Tracking Frames

Australian manufacturer of quality conveyor products, and part of the Fenner Conveyors Group in Australia, Conveyor Products & Solutions (CPS), provide specialised and customisable belt tracking solutions.

CPS Tracking Frames are designed and equipped with dual bearing pivot for accurate and reliable belt tracking functions that are built-to-last.

CPS' pivot design also uses a ball slew/thrust bearing to reduce the load taken by the main bearing and extend the pivot life.

CPS' Tracking Frames are also designed with Guide Rollers allow accurate adjustment to the belt edge on installation, which is critical in the ability to track belt along the conveyor system.

All CPS tracking frames are application-specific and can be manufactured in all typical frame configuration – both carry and return.

Overall, CPS tracking frames not only facilitate proper belt alignment but empower operators with the ability to maximise conveyor productivity.

How to select the right tracking solution for your system?

It's imperative that belt tracking devices are carefully selected to ensure they don't cause secondary effects that could negatively impact the belt and the operation of the conveyor.

Fenner Conveyors emphasises the importance of belt tracking frames within their comprehensive range of conveyor belt accessories. This range of conveyor belt accessories is proven to optimise conveyor belt systems for added safety, increased asset life and performance.

As a comprehensive conveyor solutions provider, with in-house conveyor engineering, manufacturing and services, Fenner Conveyors can provide product support and are fully equipped to assist customers whenever required.

Fenner Conveyors' trained and qualified conveyor technicians can complete a site inspection to both advise and supply the right belt tracking solution for your application.

As industries continue to demand greater productivity, the utilisation of Belt Tracking Frames offers a reliable and effective solution to the challenges associated with belt misalignment. The combination of CPS tracking frames, coupled with Fenner Conveyors' expertise in conveyor belt manufacture and service, provide mining customers with a holistic approach to conveyor system alignment.

RIO TINTO & FENNER CONVEYORS RENEW PARTNERSHIP FOR AUSTRALIAN MANUFACTURING

01 JUNE 2024

Fenner Conveyors hosted Rio Tinto representatives at its conveyor belt manufacturing facility in Kwinana, Western Australia, to formally mark a renewed partnership for Australian-made manufacturing and local economic growth.

The contract will see Fenner Conveyors supplying conveyor belts and splice kits for Rio Tinto's iron ore operations across Australia for the next 5 years.

Through quality, Australian-made conveyor belting, Fenner Conveyors and Rio Tinto are dedicated to fostering supply chain security and sustainable manufacturing operations that benefit local communities and industries. During the last contract period alone spanning 5 years, Fenner Conveyors supported Rio Tinto sites with over 473 kms of conveyor belt.

During the visit, Fenner Conveyors and Rio Tinto discussed safe and quality manufacturing processes, as well as recent efforts to reduce environmental footprint during manufacturing. Fenner Conveyors has a clear road map for achieving net zero at its Kwinana conveyor belt factory, which Rio Tinto have showed keen interest in supporting over the years.

Both companies are also aligned on a commitment to social responsibility. Recently Fenner Conveyors and Rio Tinto both participated in a community event in Karratha with the National Association of Women in Mining (NAWO). Fenner Conveyors became a NAWO member earlier this year as part of its gender diversity strategy which is currently being developed by Fenner Conveyors' Executive Management Committee, as they look to champion a more inclusive future and rethink established systems of work within the industry.

Fenner Conveyors was the official host for the event in Karratha, collaborating closely with NAWO's Western Australia Regional Sub Committee Co-Lead, Chelsea Hilton, and various industry stakeholders and companies operating across the Pilbara.

Chief People & Culture Officer (at the time - currently Managing Director), Jen Green, said "We are thrilled to be able to host events like this which provide an avenue for local youth to learn about the diverse career opportunities across operation."

This is commitment to diversity and inclusion in the workplace is shared with Rio Tinto, who has launched a number of initiatives to build a culture of trust on its sites where our people feel safe, respected and empowered.

Alongside the supply of conveyor belting, Fenner Conveyors has been servicing conveyor systems on Rio Tinto sites across the Pilbara for decades. This experience and understanding of Rio Tinto operations helps Fenner Conveyors design conveyor solutions which are tailored to site needs.

Area Manager, Ryan Giltinan, said "We have inland and coastal crews based on Rio Tinto mines and ports who are established and recognised as valued members of Rio Tinto's site teams."

"Each and every member of these crews are dedicated to helping Rio Tinto achieve optimal operating results."


MADE IN AUSTRALIA

ELECTRIC BELT HANDLING SOLUTIONS IN THE WEST

26 JULY 2024

The latest delivery of conveyor equipment from Fenner Conveyors' team in East Rockingham marks a significant development in belt handling expertise.

Two Racetrack Belt Winders rated to 102kNm have been successfully delivered for Rio Tinto's iron ore operations.

What sets these belt winders apart is their pure electric and wireless control system. Within the Fenner Conveyors Group, both hydraulic and electric winder systems are available depending on site requirements.

Electrical & Equipment Manager, Matt Shilson, said technological advancements in gearbox and Variable Frequency Drive (VFD) Technology equipment have allowed the workshop team to take a modern approach to belt handling equipment solutions.

"Our electrical winder systems can offer an economical and simplified approach to designing belt winders which can be tailored to specific site applications."

This equipment adds to the robust belt handling equipment offered through Fenner Conveyors Group brands.

"By combining expertise across the Fenner Conveyors Group, we are able to deliver the most advanced and innovative belt handling equipment offering on the market," said Shilson.

All electrical, assembly, and fabrication works were meticulously carried out at Fenner Conveyors' workshop in East Rockingham, WA. The fabrication was completed across three months which speaks volumes to the efficiency of the workshop team and their customer-centric approach.

"We understand the importance of timely delivery, and our swift turnaround sets the standard for prompt and reliable belt handling equipment in the West."

The winders are designed to be used with racetrack belt reels during belt maintenance on Rio Tinto's overland conveyor systems across the Pilbara.

The East Rockingham workshop have been supplying belt handling equipment to this key customer for a number of years now.

"Whether an overhaul of existing site equipment or a completely new design from scratch, we work with the customer to deliver a solution which is customised to their unique application and requirements."

The completion of this impressive equipment is just another accomplishment for the East Rockingham workshop team and underscores a commitment to excellence in material handling.


MANUFACTURED BY
FENNER
CONVEYORS

ROY HILL TOUR CPS & FENNER CONVEYORS FACILITIES IN WA

1 JULY 2024

Fenner Conveyors and CPS teamed up to host an informative tour of Western Australia manufacturing facilities with Roy Hill graduate engineers.

At CPS we regularly facilitate graduate group visits to our manufacturing facilities. Every belt, pulley, frame, roller and accessory we build, and every service team we deploy, is tailored to each specific use-case and application at individual sites, so it's important that our clients have a deep understanding of our technologies and, just as importantly, who to reach out to when they need advice. In this context we're always looking to ways to foster a continued close relationship of understanding and learning between us and industry members in the sphere of mineral processing.

We recently had the opportunity to provide in-depth training on conveyor belt, idlers, pulleys and more, across three of our manufacturing locations in Western Australia with the talented future engineers at Roy Hill.

It was great to meet the inspired minds who are forging the future of Roy Hill and help them experience a deeper understanding of the equipment they deal with on a day-to-day basis. Our doors are always open to graduate programs wishing to get a 'hands-on' view of what we do. If you'd like to arrange a similar facility tour, please reach out to our team – we're happy to help.

CONVEYOR TRAINING:
OUR UNIQUE APPROACH TO CUSTOMER SUPPORT

12 AUGUST 2024

Fenner Conveyors recently hosted another conveyor training day at its Registered Training Organisation (RTO) in Kwinana, Western Australia.

Participants from Rio Tinto's technical team received an in-depth explanation of conveyor belt and system engineering from Fenner Conveyors' embedded engineers. This practical approach to customer support allowed participants to learn more about how Fenner Conveyors engineers belting unique to system and application requirements.

Principal Engineer, Mike Finlen, said "This is the third successful training day we've hosted here at Kwinana, thanks to the positive feedback and impactful outcomes of our previous sessions."

The training day kicked off with an engaging presentation by Fenner Conveyors' Engineered Conveyor Solutions (ECS) team, who provided a demonstration using on-site training conveyor equipment.

"Having our training school right here at the same location as our conveyor belt factory facilities enhanced training - not only for our service and manufacturing personnel, but our customers through opportunities like today," said Finlen.

The Rio Tinto team also received a tour of Fenner Conveyors' world-class steel cord conveyor belt factory, including insight into the company's strict quality assurance processes completed in its on-site laboratory.

"Our customers always benefit from seeing our belt manufacturing processes first-hand and the rigorous quality checks we employ to ensure belt performance in the field," said Finlen.

"Once customers attend this type of training opportunity, it's clear the lengths we go to for ensuring highly engineered and quality conveyor solutions."

MODERN APPROACH STREAMLINES BELT INSTALLATION AT JIMBLEBAR MINE

27 AUGUST 2024

The team at Belle Banne Conveyors, part of the Fenner Conveyors Group in Australia, recently facilitated the installation of conveyor belt on a critical conveyor system at Jimblebar Mine. The project took approximately seven days to complete and involved various factors unique to usual installation projects.

Unprecedented Scale and Precision

The exceptional aspect of this installation was the 333-meter-long conveyor belt Flaking Station – the longest single structure ever supplied by the company. This massive structure required thorough planning and engineering expertise – both of which Belle Banne Conveyors are well-known in the industry for delivering.

In addition to the Flaking Structure, the project utilised several pieces of Belle Banne Conveyors-designed belt handling equipment: a Hydraulic Pony Drive, three 90° Turning Frames, a 150kNm Belt Winder, and a 34T Belt Puller, as well as a 10T Winch to facilitate efficient belt handling throughout the installation process.

The use of specialised belt handling equipment ensured efficient movement of the conveyor belt throughout the removal and re-installation process.

Engineered Methodology

Belle Banne Conveyors developed the installation methodology for this specific conveyor system back in 2012 when Belle Banne Conveyors was engaged for the last belt change out. Twelve years on, this project marks the third time the Belle Banne Conveyors Projects Team has delivered a successful change-out using this approach - this time installing Fenner Conveyors belting in the process.

WA Manager, Dan Luther, said the team's extensive experience and innovative techniques allow for a seamless installation, minimising downtime, and maximising efficiency.

Customer Value

Belle Banne Conveyors were engaged to project manage the belt installation job, which included the assistance and training of BHP personnel in executing the specialised methodology using the equipment. Engineer and Projects Manager, Cameron Trott, said this format allowed the customer to benefit significantly from Belle Banne Conveyors' engineering expertise.

"The customer hadn't previously used a Pony Drive in conjunction with the Belt Puller equipment, so there were some parts of the methodology they were unfamiliar with – one being how to 'crack' the belt flake with the winch."

This provided an opportunity for Belle Banne Conveyors to enhance their customer service offering.

"We executed the installation, but we also used the opportunity to train site personnel on the proper use of the Pony Drive for the management of the Belt Flake. By explaining the reasons behind each step, we ensured that the equipment was operated efficiently and safely."

MAKING (DIGITAL) WAVES IN THE PILBARA

25 SEPTEMBER 2024

Mobile BeltGauge, part of the iBelt technology suite made by the team at Fenner Conveyors, has received significant design improvements which are enhancing uptake at regional sites across Australia.

iBelt is Fenner Conveyors' brand for intelligent conveying solutions; a suite of technology that seamlessly enhance conveyor systems by delivering streams of actionable data for mining operations.

The iBelt suite captures and translates data on conveyor system assets, to make predictions autonomously and empower clients to address issues before they arise - and with the latest development to mobile BeltGauge, intelligent conveying just got better!

The BeltGauge solution has always been offered in two formats: a fixed and mobile design. National Technical Manager, Alan Clout, explained how each option has its benefits.

"While our fixed mobile BeltGauge is ideal for 24/7 monitoring of key systems, it does require a larger capital investment. Whereas for customers wanting to monitor multiple system across a site (and without such a heavy investment), our mobile BeltGauge is recommended solution," explained Clout.

"Mobile BeltGauge is a versatile, easy-to-install device that can be set up almost anywhere along a conveyor system. Its design allows for the scanning of multiple conveyors in a single shift, providing deeper insights into conveyor performance across your site."

East Rockingham team with new mobile BeltGauge equipment.

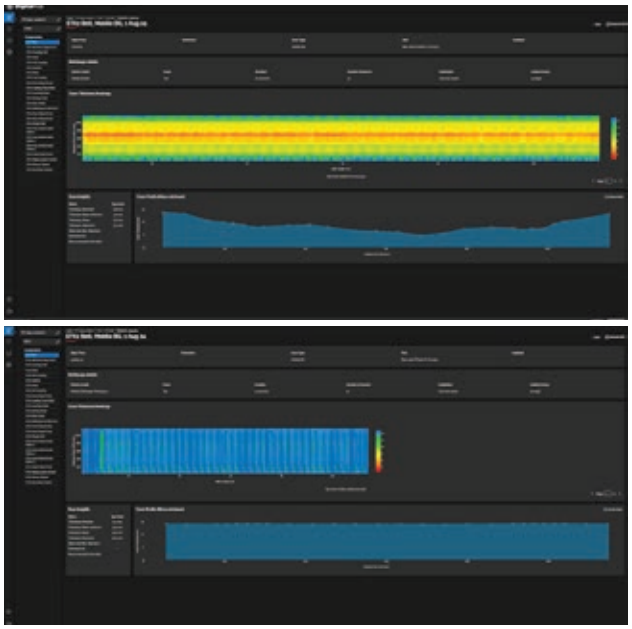
The original mobile BeltGauge design was launched to market in 2021 and since then has made strives with accessible belt wear monitoring, primarily at sites in Western Australia and New South Wales.

"Earlier this year we identified some areas our design could be enhanced, and so we got to work," said Clout.

Redesign of the mobile BeltGauge's control box was managed and custom-built in-house at Fenner Conveyors' East Rockingham workshop.

A standout feature of the new design is its re-engineering to optimise operational use. National Technical Manager, Alan Clout, said the new design is now reliable and durable for travel to and from site.

"It's a better, more robust and compact design that's ready to meet the challenges of site-based work, including quick response travel. This means we can react – if a site needs us, we can be on a flight in the morning," explained Clout.



The new and improved mobile BeltGauge is already in use in the Pilbara of Western Australia. At one iron ore port facility, iBelt technicians have been flying in every two weeks for scans to monitor the wear profile on a stacker conveyor system.

Scan Insights

Metric	Top Cover	Bottom Cover
Thickness Minimmum	8.2 mm	-
Thickness Mean	10.7 mm	0.0 mm
Wear rate (life). Maximum	4.60 mm/mth	-
Estimated life	79 days	-
Recommended retire date	22 Jul 24	

Heat-map depicts the wear profile of 120m of conveyor belt when newly installed on a system, compared to nearing end of life.

Snapshot of mobile BeltGauge data transformed into asset life predictions in the DigitalHub portal.

"By monitoring cover thickness of conveyor belt we help sites to better plan maintenance schedules and avoid unforeseen downtime."

All data captured in mobile BeltGauge scans is recorded in the DigitalHub portal, which is used to estimate asset life as well as recommended dates to retire assets.

Branch Manager, Matt Shilson, explained how the team drew on previous design expertise in the engineering of the new control system for mobile BeltGauge.

"As an original equipment manufacturer (OEM), we utilised our latest build practices and hardware from a similar control box, enabling us to achieve a swift turnaround for product development, testing and launch to market."

A revised control box design simplifies data collection even further, featuring a specialised sensor interface, which acts as a network block and connects to the ultrasonic sensors. These bocks allow the sensors to take 250 belt thickness measurements per second.

The control box now also includes a multi format pin connector that allows the sensor orientation to be reversed, it can be easily switched between the left and right sides of the conveyor system, allowing for efficient data collection without added time. This is particularly

beneficial for conducting multiple scans during the one visit.

Mobile BeltGauge equipment testing at Fenner Conveyors' East Rockingham workshop.

iBelt Solutions Coordinator, Steve Fidoe, commented on the successful commissioning of the control box, attributing it to strong collaboration between Fenner Conveyors' electrical, mechanical, and diagnostic teams.

"It's been a significant improvement to the control box of our mobile BeltGauge units that will provide clients with more reliable data and earlier warnings of deterioration before issues arise."

"This advancement of our iBelt technology suite will enhance our Group's value offering by supporting clients to achieve operational efficiencies and reduce unscheduled downtime," said Fidoe.

Overall, the project exemplifies Fenner Conveyors' commitment to innovation and leading the industry in intelligent conveying solutions.

EXCEEDING QUALITY UNDERGROUND

15 OCTOBER 2024

Fenner Conveyors' engineering subsidiary, ACE, is dedicated to upholding the crucial role of quality in engineering equipment for underground mining.

In the demanding environment of underground mining, the reliability and safety of electrical equipment is paramount.

Choosing the right supplier is not just a matter of convenience; it's a critical decision that impacts operational efficiency and, most importantly, safety.

Fenner Conveyors' engineering subsidiary, ACE, understands the stakes are high and aims to adhere to stringent compliance and quality standards to ensure the safety and effectiveness of its products.

All Fenner Conveyors Group operations are underpinned by an ISO 9001 accredited quality management system that is used by organisations of all sizes and industries.

Custom versus off-the-shelf

Underground mining operations have unique and challenging requirements that cannot always be met with off-the-shelf solutions.

One of the areas ACE specializes in is underground substations that are custom-designed and manufactured to meet specific application requirements, rather than relying on standard, 'one-size-fits-all' products.

Each system is meticulously engineered and built to align with customer expectations and rigorous Australian standards, with the aim of ensuring optimal performance in the harsh conditions of underground mining.

ACE solutions are custom-designed, rather than relying on 'one-size-fits-all' products.

ACE specializes in underground substations manufactured to meet specific application requirements.

Upholding Compliance with Australian Standards

Compliance with relevant safety and quality standards is non-negotiable in the mining industry.

According to ACE NSW regional manager Shane Wilson, ACE equipment not only meets but often exceeds the standards outlined by Australian regulatory bodies.

"By adhering to these standards, we ensure that our electrical and mechanical conveyor equipment provides safe and reliable solutions for our clients, reducing risks and enhancing operational stability," Wilson told Australian Mining.

ACE also simulates operational conditions from its workshops before dispatching equipment, which can significantly minimise the risk of issues once installed on site.

ACE performs load testing of substations in its workshop in Somersby, NSW, and pulley load testing from its workshop in Mackay, Queensland.

ACE simulate operational conditions at workshops before dispatching equipment to site.

Leveraging Strong Industry Partnerships

Wilson believes a key element of ACE's success is its collaboration with leading industry stakeholders.

"By aligning ourselves with reputable names such as Ampcontrol, Littlefuse, Schneider, NHP and ABB, we gain access to cutting-edge technology and innovative solutions that enhance our equipment's performance and reliability," he said.

As an authorized value partner, ACE has direct access to ABB's engineering team, allowing it to incorporate the latest advancements and improvements into its products. Through this partnership, ACE aims to ensure its conveyor equipment integrates the latest technological developments and adheres to the highest standards of quality.

All Fenner Conveyors Group operations are underpinned by an ISO 9001 accredited quality management system.

To provide local support and quick response times in the Bowen Basin, ACE collaborates with strategic conveyor partner, Milek Engineering.

"This local partnership ensures that we can deliver timely assistance and support, which is critical for minimising downtime and maintaining operational efficiency," ACE Queensland branch manager Scott Manley told Australian Mining.

"Furthermore, ACE sources all protection devices directly from original equipment manufacturers or certified partners, which guarantees the authenticity and quality of components, ensuring they meet or exceed industry standards for safety and performance."

Tailored solutions for optimal performance

ACE's commitment to working with major equipment suppliers across various domains, such as motors, transformers, gearboxes, hydraulics and switchgear, enables it to offer customised solutions tailored to the specific needs of each mining operation.

"By integrating the best components and technologies into our systems, we deliver solutions that are not only safe and reliable but also cost-effective and efficient," Wilson said.

ACE's dedication to custom manufacturing, adherence to Australian standards, and strategic partnerships with leading industry players underscores the business' commitment to providing the best possible solutions for its clients.

By investing in high-quality, compliant equipment, mining operations can help to ensure operational efficiency and the safety of their workforce, ultimately contributing to a more productive and secure mining environment.

ACE collaborates with industry partners to deliver the best possible solutions for underground mines.

STOCKPILING SUCCESS:

ACE ENGINEERS AN INNOVATIVE STACKER CONVEYOR SOLUTION FOR TANAMI MINE

23 OCTOBER 2024

At Newmont Gold's Tanami Mine, the need for increased operational output has prompted a significant underground mine expansion that has showcased the engineering capabilities of Fenner Conveyors subsidiary, ACE. The design and supply of the two cutting-edge stacker conveyor systems are a pioneering step for ACE that will set Newmont's mine extension up for material handling success.

The total project involves a series of new conveyor systems which act as fundamental surface infrastructure to support the underground expansion. ACE was engaged to deliver the final conveyor systems that feed the stockpile on a critical production path – one being a fixed stacker system and the other a radial stacker system.

Tanami Mine, known for its hard rock gold reserves, requires innovative solutions to optimise stockpiling processes. Traditional methods of stockpile management, such as fixed stacker systems or skyline conveyor systems, service well for mining operations.

However, the radial stacker system designed by ACE for Tanami introduces a new level of flexibility and efficiency. This equipment, capable of slewing and pivoting on wheels, allows for enhanced maneuverability when loading stockpiles, enabling operators to store material in a more manageable way.

The second system delivered by ACE shares many of the mechanical and structural design features of the first, radial stacker system. However, feeding a waste stockpile, operationally the slewing motion was not required and therefore ACE recommended a fixed system.

The ACE team brings a wealth of experience from previous stacker conveyor system projects. Principal Mechanical Engineer, Taylor Jobson, emphasized the learning opportunities this project has provided for many of ACE's young engineers.

"It's helped build expertise within the team across both engineering and fabrication capabilities," said Jobson. This commitment to skill development not only bolsters ACE's internal resources but also positions the company as a competitive player in the Australian market and beyond.

Collaboration has been a cornerstone of this project. ACE won the contract through Engineering, Procurement, Construction Management (EPCM) company, Worley, whose ongoing support has been instrumental. The partnership has fostered connections with various suppliers, enriching the project's execution and enhancing ACE's capacity for future endeavours.

In July 2024, ACE showcased a mock-up of the radial stacker system at its Somersby workshop - a demonstration that garnered positive feedback from the Worley management team.

This successful presentation was a testament to the hard work and innovative thinking that ACE engineers put into the project.

"Worley has been extensively engaged throughout the project and has been a great supporter of the work our team has produced," said Jobson.

The engineering and design phase of both stacker systems involved rigorous third-party audits, ensuring that ACE met the highest standards of quality and reliability. Project Manager, Brent Lewis reflected on the validation process, expressing satisfaction with the strong results achieved.

"Our dedicated team is focused on demonstrating our capability in this space so we can win more projects in the Northern Territory and into the west of Australia," said Lewis.

The first radial stacker system was successfully delivered in September 2024, with plans for the second, slightly larger fixed waste stacker system to follow in January 2025.

Complete design model of ACE's Radial Stacker Conveyor.

Both stacker systems will feature Fenner Conveyors Group's high-quality steel rollers and conveyor belting, engineered and manufactured with K grade covers for fire and static resistance (FRAS), to ensure safety and performance once installed on-site.

As ACE delivers the next phase of this exciting project, the integration of its innovative engineering solutions stands to not only maximize operational efficiency and output for Tanami Mine but solidify ACE's reputation as a leader in engineered conveyor solutions.

With a commitment to innovation and growth through partnership opportunities such as this project, the future looks bright for ACE and its role in advancing both surface and underground operations for mining in Australia.

ACE simulate operational conditions at workshops before dispatching equipment to site.

FIRST YEAR OF K-MIX CONSTRUCTION COMPLETE WITH 100% SAFETY MAINTAINED

29 OCTOBER 2024

Fenner Conveyors, a leading manufacturer of conveyor belting and rubber compound, proudly marks the one-year anniversary of the Kwinana Mixing facility development (K-Mix).

The K-Mix milestone was celebrated with project partner, Shelford Constructions, and attended by community and industry stakeholders, including the Member for Rockingham, Magenta Marshall MLA.

Over the past year, significant progress has been made at the Kwinana site, including most recently the successful installation of the second-floor walls.

The K-Mix plant will house state-of-the-art rubber mixing equipment to enhance Fenner Conveyors' Australian-made manufacturing capabilities and streamline its supply chains.

Executive Director of Conveyor Solutions South (Southern Hemisphere), David Landgren, said the new manufacturing facility is expected to create local jobs and support the Fenner Conveyors' commitment to decarbonise its manufacturing operations.

"This project underscores our commitment to partnering with local contractors, creating local jobs, and ensuring a reliable, quality product is delivered for our customers, in a timely manner. This project symbolises our commitment to Western Australia," explained Landgren.

Retiring Managing Director, Graham Lenz, reflected on the K-Mix project being a commitment to Fenner Conveyors' employees, customers, stakeholders, and the planet.

"It embodies what we stand for as a business — innovation, sustainability, and the relentless pursuit of excellence," said Lenz.

Additionally, Fenner Conveyors celebrated 365-days recordable injury-free for the K-Mix Project.

Project Coordinator, Trent Fitzpatrick, commented on the K-Mix project team's dedication to safety.

"Since the official groundbreaking ceremony last year, the team has maintained this safety record – it's a true testament to the culture and commitment to safety in this team," said Fitzpatrick.

Fenner Conveyors thanked Shelford Construction for their crucial support in achieving the safety milestone.

The rubber mixing plant is aligned to Fenner Conveyors' all-sustainable vision as part of the Michelin Group, which aims to reduce environmental impact and enhance social responsibility.

Construction of the K-Mix plant is expected to be completed by mid-2025.

As Fenner Conveyors continues to progress the K-Mix project, the company remains focused on maintaining the safety of its people, delivering excellence in manufacturing while advancing its sustainability goals, and supporting the community in which it operates.

HIGHEST STRENGTH CONVEYOR BELT EVER PRODUCED FROM KWINANA

31 OCTOBER 2024

Fenner Conveyors has delivered the highest ever strength rated conveyor belt from its steel cord factory in Kwinana, Western Australia. Possessing a breaking strength of 6300 kN/m, the Australian-Made, custom-designed belting was successfully delivered to NSW gold mine in October 2024.

The conveyor belt will be installed on a critical system for the underground gold mining operation. Designed with a high strength rating, the conveyor belt will provide operational reliability and support lowering asset life-cycle costs.

Plant Manager, Nick Annetta, said manufacturing of the ST6300 conveyor belt includes a steel cord carcass with FireBoss K cover protection for flame resistance. It will be installed on an existing conveyor on-site which has been operating with this strength rating of belting - but through other conveyor belt suppliers.

“The system is critical to the gold mining operation. As with all our clients, we have taken every care to ensure a high performing and fit-for-purpose solution which we know will perform,” said Annetta.

Manager of Technical and R&D, Christopher Ball, said prior to this the highest strength conveyor belt made at Fenner Conveyors’ Kwinana factory was rated to 5600 kN/m – a total length just shy of 4km.

“We typically receive requests within the 2000-4000 strength rating range, however this gold mine required a higher rated specification custom-designed for this unique system,” said Ball.

“The equipment in our Kwinana factory is designed to make belts with this strength rating - in fact, our equipment can produce conveyor belt with a breaking strength of up to 10,000kN/m. Our manufacturing and engineering teams have the expertise to execute, but this is the first time we’ve had the opportunity to deliver to this specification.”

“With a 41.3mm engineered thickness it’s also one of the thickest belts we’ve ever made,” explained Ball.

The state-of-the-art conveyor belt factory in Western Australia produces circa ~300,000 metres annually across its three press lines, supporting Australian mining customers with an ability to deliver high quality product with reduced lead times.

NSW Business Development Manager, Dean Callaway, said that Fenner Conveyors has been supplying to the underground gold mine for the last 7 years and has been able to demonstrate expertise to the client across its comprehensive conveyor solutions portfolio.

“We started supplying our steel cord conveyor belt to other systems on-site, and the client was impressed with how it was performing. Soon after we became the incumbent for steel cord belting on-site,” said Callaway.

“Demonstrating reliability in our product over this time, naturally the client allowed us to propose a unique design for this particular conveyor system as the current belt is nearing forecasted belt life completion.”

A key element of this project was the collaboration between Fenner Conveyors' various business units right from order inception to successful delivery to site.

"We had coordination from account managers, front office support, manufacturing and logistics, our belting engineers and executive management overseeing production," explained Ball.

"We took the concept from an idea to a highly engineered product that has now been successfully delivered to our client. Jobs like this bring our teams together and show the true Fenner Conveyors advantage!"

Production of the conveyor belt began in August 2024, with dispatch to the NSW site in two batches – the first at the beginning of September and final at the end.

The high-strength belting is fitted with sensor loop technology to detect damage. As loops pass the monitoring technology, any wear or damage is logged and site teams are able to stop belts automatically to prevent major damage events.

In fact, Fenner Conveyors designed conveyor belt loops to be compatible with the client's existing monitoring system, further saving them capital expenditure costs.

"Our Technology team has been highly involved in the engineering and manufacturing process, and have been available to the client to answer any questions regarding the embedded loop system," explained Callaway.

Having an accurate sensor loop system is essential for high throughput operations such as the client. "I've been on sites before where belt rips have occurred from the sharp and heavy material, but because belt rip precautions such as this technology were in place, the conveyor was able to be stopped promptly for repairs before the rip extended along the entire system," explained Callaway.

"You don't have to guess the capital and labour costs saved from the investment in conveyor belt loop technology. We understand the importance of protecting high investment conveyor belting."

Fenner Conveyor s

Our Training School is in full swing with our #ConveyorService teams completing a High Integrity Splicing refresher training, ahead of upcoming customer maintenance periods in Western Australia. Fenner Conveyors are committed to up-skilling our teams and enacting a ‘one team’ approach to quality, safety and customer service

Fenner Conveyor s

Happy International Women’s Day! #FennerConveyors recognizes the contributions and achievements of all the phenomenal women who are part of our team as well as those throughout our Industry.

Fenner Conveyor s

This week #FennerConveyors engaged with local high school students at the Karratha Careers Day, organised by the Karratha District Chamber of Commerce and Industry (KDCCI).

Fenner Conveyor s

A whopping 54 #SpliceKits (and counting!) have left our Dandenong facility and are off to the Pilbara for the Western Range project.

FENNER SOCIALS HIGHLIGHTS

Fenner Conveyor s

Pulley lagging in motion at our Practical Training Facility (PTF) in Perth

Fenner Conveyor s

Exciting news from the Fenner RTO in WA! We're currently running a double intake, with 16 new #BeltSplicing apprentices and trainees from branches all over the country. Our industry-leading trainers are hard at work preparing the next group of talent in our field.

Fenner Conveyor s

Did you know our Pulley Workshop offers both new-build and refurbishment services?

Pulley refurbishment with CPS can save you up to two-thirds of the cost of a new pulley, without compromising on quality. Let our in-house team analyze and rejuvenate your existing pulleys for reliable, "as new" performance.

Fenner Conveyor s

What a beautiful day for some conveyor belt maintenance! Our #ConveyorService teams hard at work, pulling back slack on a customer's conveyor belt in preparation for a re-splice. Keep your operations running smoothly with our #ConveyorExperts on the job!

COMPLETE *CONVEYOR* SOLUTIONS

The Fenner Conveyors Group leads with top-tier conveyor services and solutions, delivered by our industry-leading brands.

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