

TILT & ROTATE



A TOTAL ENGCON
SOLUTION
FOR RED DOG
PROJECTS

Page 6

THE LATEST
INNOVATIONS
FROM
ENGCON

Page 10

TECHNOLOGY AND
INNOVATION DRIVES
ANRIC GROUP'S
SUCCESS

Page 12

A new exciting year at engcon

Never has engcon had so many exciting activities to look forward to as we do in 2024. We began the year with the Danish Sewer and Drainage Fair and the world premier for our new EC204, a tiltrotator for slightly smaller machines with EC-Oil above and below the tiltrotator. It attracted a great deal of interest, and we can reveal that it will also be on show in Scotland at Scotplant 25-28 April. This year, we'll be making special marketing efforts in Austria, and we'll be there in April to showcase our latest innovations at MAVEW. Our big focus this spring in Europe is Intermat in Paris, which will be held at the end of April. Our entire French team will be in place and we'll have three machines for test runs. We would like as many people as possible to get the chance to experience the feel of using an excavator equipped with an engcon tiltrotator. At the end of April, we will also take part in Diesel and Turf in Australia. Our global commitment clearly shows the great interest there is in our products, and our intent to be where our end customers are – in real life. Take the opportunity to visit us at one of the fairs or local demo days – you can also contact us for a test run and a demo. Together, we can change the world of excavation!

The launch of our third generation tiltrotator system will naturally be the theme for all of our exhibitions and demo days throughout 2024. We can proudly declare that engcon's third generation tiltrotator will take excavating to an entirely new level. Load-sensing hydraulics and auto-calibration give operators a unique ability to enjoy a smoother digging experience in every sense.

In addition to exciting activities and a focus on our third generation tiltrotator system, we'll be launching new products and product developments with an emphasis on the end customer's needs and wishes. How about:

- New, improved S45, S60 and S70 hitches
- New PC9500 ground compactor suitable for the 19-33 tonne weight range
- engcon's new DC3 control system with simpler installation and a new app for both iOS and Android.

Martin Engström
Product Manager, engcon AB



Stay **up-to-date**
– follow us on
social media



FACEBOOK
engconAustralia



YOUTUBE
engconDotCom



X
engcon_



INSTAGRAM
engcon_australia



FICKR
engcon

engcon[®]

EDITORIAL STAFF

Editor: Viktoria Winberg

Writers: Viktoria Winberg, Moa Lundqvist,
Michael Parkinsson

Photographers: Michael Parkinsson,
Janne Ahola, Magnus Wattman

Layout: Maria Skogen



Come and meet us

The National Diesel Dirt & Turf Expo

12 - 14 APRIL 2024

Sydney Dragway, Eastern Creek
Australia
www.dieseldirtandturf.com.au

In just five years, the National Diesel Dirt & Turf Expo has become Australia's largest construction industry expo. The dramatic growth of this premium annual industry event is attributed to the huge business it generates for exhibitors who enthusiastically return each year, often investing in even more exciting and expansive product exhibits.

Fieldays

12 - 15 JUNE 2024

Mystery Creek, Hamilton,
New Zealand
www.fieldays.co.nz

Fieldays is the Southern Hemisphere's largest agricultural event and the ultimate launch platform for cutting edge technology and innovation. Welcome to meet our fantastic engcon team. Of course, we demonstrate our products live and offer easier ingestion.

**See all our
upcoming events!**



Success for engcon's investment in the electric rallycross initiative, a Silver in the 2023 FIA World RX Championship for the CE Dealer Team



engcon is a proud partner of the Construction Equipment Dealer Team (CE Dealer Team), which runs in the electrified FIA World Rallycross Series. This year's 2023 FIA World RX Championship was decided at the season's finale in Hong Kong, with outstanding performances by the CE Dealer Team's drivers Klara Andersson and Niclas Grönholm.



The 2023 World Championship series consisted of eight rounds on world-renowned tracks across the globe. The championship was decided with two decisive races in Hong Kong which resulted in a 7th place for Klara Andersson and a 3rd place for Niklas Grönholm in the ranking among the drivers. The CE Dealer Team earned a 2nd place finish in the overall team championship.

The track in Hong Kong was also built using a Volvo EC230 equipped with a tiltrotator from engcon.
– We at engcon are once again a proud sponsor in a sustainability initiative and investment that champions a ground-breaking, all-electric platform and diverse motorsport. There is a bit left on that journey, at the same time this year's efforts from Klara and Niclas show that we are very well on our way. It's important that the investment reflects what engcon stands for, says Martin Engström, product manager at engcon.

Electric investment in line with engcon's sustainability ambitions

Both Klara Andersson and Niclas Grönholm have signed a multi-year agreement with the CE Dealer Team, which has decided on a long term commitment to investing in

electric – a change and big step for motorsport from a sustainability perspective. There has been great interest in the electrified World Championship series in 2023, the investment is completely in line with engcon's focus regarding climate change and the digging world.

– I've said it before, this partnership is a hit for us. It's cool to be part of two worlds where development is moving forward. On our home turf, the digging world, we push for innovation that contributes to energy efficiency improvements and, by extension, a greener industry. In the venture together with the CE Dealer Team, we are making the same journey, but in motorsport. I think we need to find more interconnectivity like this between different industries to create change where our innovative power also benefits other industries, says Martin Engström, product manager at engcon.

Read more about the FIA World RX Championship 2023: www.fiaworldrallycross.com

Read more about the CE dealer team: www.cedealerteam.com/the-team





A total engcon solution for Red Dog Projects

James Elliott is the founder and Managing Director of Red Dog Projects, located at Helensvale and Yatala on the Gold Coast. Red Dog Projects provides total solutions in design, construction and supply. The team comprises professionals in safety management, project management and construction industry services.





The company has completed end-to-end projects of all sizes across the resource sector, residential housing projects of up to four hundred homes, resorts and hotels, schools, industrial and commercial buildings. It also delivers civil projects including remote construction, main roads, public infrastructure and mining. James said there is considerable growth of infrastructure in southeast Queensland, particularly residential subdivisions where they have experienced a high volume of work, which has included land clearing and other specialised tasks. “In addition to these major contractors about twenty to thirty percent of our work is for our own customers. Our growth plan for the next four years is to increase our activities in that segment,” James added. Red Dog Projects is described as innovative and solution driven. “The business has been operating for twelve years, however our entry to the earthmoving industry was three years ago. At that time, we started to concentrate on the civil construction side of the business, with the objective of providing an end-to-end service. This strategy has been successful and has

been the key to our growth,” James said. “The business employs twelve people, including highly experienced, reliable operators, supported by accounts and operations teams, who share our passion and vision. We work for many of the major civil contractors, including organisations such as Winslow Constructions, Shadforth and Golden Group Construction.

Seeking added productivity and efficiency

“In recent years we became aware of many reports on social media of the benefits of tiltrotators that other operators had experienced. Also, I am originally from the U.K, I had some knowledge of this equipment and the fact that tiltrotators were in much wider use there than I had seen in Australia. “We had also seen engcon systems being demonstrated at a few expos and this prompted us investigate comparable brands and all the options available. At the end of the day we decided on the engcon system, with our decision based on price, performance and overall efficiency benefits.

Instant benefits

“Our first investment in the engcon tiltrotator and engcon EC-Oil decision was totally validated. The equipment fully delivered the efficiency we needed and has given us added capability. The engcon package was an excellent proposition, with the safety and time-saving of the EC-Oil hitch, together with the useful integrated grab.

“Acquiring the engcon was a good all-round solution for our business that made perfect sense. It's a tool that really enables us to get the detailed work done quickly and to a high standard of finish. Across all the machines the engcon attachments we have a full set of buckets, a ripper and a spreader. We also have a grab, broom and pallet forks.

” Our first investment in the engcon tiltrotator and engcon EC-Oil decision was totally validated.

JAMES ELLIOTT

The most recent engcon tiltrotator system on the Cat 325 was factory fitted on a machine supplied by Hastings Deering,” said James.

Red Dog's excavator fleet mostly comprises Cat equipment, which they say has been exceptionally reliable and well supported throughout the growth of the business. “We get great support and service from Cat,” he added

A “thumbs-up” from operators

Cat operator Alexander Duffy said, “the engcon system has made my life a whole lot easier! It means less movement of the machine, which saves effort and time on the job, as well as not having to always be aware of what else is happening around me.

“I do a lot of detailed trimming and this is where the engcon system really shines. It is specifically designed for that job and it does it extremely well. Because I'm an experienced excavator operator, it only took me a few days to get on top of all the controls to a point where I felt really competent. A lot easier, less time, less fuel used, fewer movements. Just a great all round benefit! “There's no way I would ever go back to using the

machine with the traditional bucket setup; the engcon tiltrotator has totally changed the way we operate. Even on tough jobs that require some extra breakout force, with the engcon EC-Oil ,it's no effort to temporarily remove the tilt rotator and directly attach tools where needed.

Customers appreciate benefits

“Having the engcon tiltrotator makes for a more efficient machine. The machine and it changed consider is very appealing to our clients who understand the benefit to them in getting the job done too high quality standard at a competitive price.

“Many of our customers are still not aware of the benefits of dealing with a contractor like us who uses this technology, however they are slowly becoming aware and I suspect this will certainly continue. There is no doubt we are starting to win work because customers are aware that we are using the technology and this will translate into a quality job for them.

Huge savings

On projects that involve topsoil distribution, waste amount we are saving At least twenty percent in time and more in many instances. Having the EC-Oil was a major factor in going with the engcon, simply because of the speed and safety with which tool changes can be made.

The operator does not have to leave the cabin, the need to re-couple hoses has been eliminated; there are no hydraulic leakage issues and the operator and others on site can work with added safety.

“The benefits of acquiring our engcon systems were immediately obvious and from that moment we knew we were on a winner. We have engcon systems on the Cat 325 and the Cat 323 machines as well as our recent Cat 315 excavator.

Customers first

“A business like Red Dog Projects is all about satisfying customer needs. Constant healthy business growth reflects the success of this approach and engcon has made a major contribution to our success,” said James.

New Compactor

engcon is now launching a new size in its range of ground compactors to suit the larger excavators in the size class from 19 tonnes with the S70 or S80 attachment.



Advantages of the engcon PC models

- ▶ Adapted for tiltrotators with EC-Oil.
- ▶ EC-Oil automatic quick coupler system comes as standard.
- ▶ More areas of use with a tiltrotator, where it was previously impossible to work, for example on steep slopes or embankments.
- ▶ Newly designed vibrator unit/generator that increases compaction force whilst also reducing hydraulic flow.
- ▶ No need to lift hand-operated ground vibrators that risk being dropped or swinging into personnel or the surroundings.
- ▶ Fewer hoses to break and fray as no oil drain line is needed.

New Quick coupler

The new S60 quick coupler has an enhanced solution on the axles that makes it more durable. The flow for EC-Oil is improved and engcon has developed a hoseless design. S60 is also available with lifting eye.



Quick coupler advantages

- 1.** Hooks facing the direction of excavation ensures an evenly distributed digging force on both axles.
- 2.** Unique safety solution with U-shaped locking hooks that prevent dropped tools. The hooks are designed to minimise play between the coupler and the tool.
- 3.** Extraordinary design that reduces wear, increases durability, and thus extends the lifespan.
- 4.** engcon's light and sound module for improved safety are included as standard with all quick coupler purchases.
- 5.** EC-Oil comes as standard on automatic couplers with flexible hose routing.





Technology and innovation drives Anric Group's success

Established over forty years ago, Anric Group today stands an industry leader within the rail, industrial, commercial and residential sectors. Its success has been forged through a combination of its specialised technical team, focus on state-of-the-art rail technology and early adoption of emerging and custom construction tools and processes.



Anric Group services local and state governments, construction companies and spearheading its own projects. Anric Group's journey from its inception to becoming an industry titan is a testament to its pioneering approach and technical prowess.

Comprehensive construction solutions

Solutions provided by Anric Group span residential and industrial sub-divisions, drainage, road construction, spoil removal, demolition and site remediation. It also performs bulk and detailed earth works, retaining walls, storm water, services installation, light and heavy duty pavements, car parks and roadworks.

Anric Group is also a fully licenced Safework NSW demolition and asbestos removal contractor with deep experience across sensitive heritage sites, waterways and railway corridors. It is highly qualified in piling and ground engineering, specialising in difficult access bored piling projects with head height restrictions.

Innovation, creativity and flexibility

Operations manager Anthony Spinozzi said, "Our objective is to deliver a project experience for our clients that pushes boundaries, inspires creativity and demonstrates our solid focus on technological developments.

"We are consistently adapting to the evolving and

complex rail and civil industry to meet the diverse and often challenging demands of clients. We design, engineer and develop custom attachments and equipment to work with the world's leading rail machinery. This approach ensures we remain as a preferred partner in civil and rail works.

"Taking the initiative in providing tailored solutions for all our clients has always paid dividends. We have demonstrated an ability to collaborate closely with major prime contractors who benefit from our multiple resources that provide not only solutions, but opportunities," he said.

Large engcon fleet

Anric Group Plant Manager, Jamie Burke said they are always searching for the most modern plant and equipment that meets the highest European Standards for emissions, noise and fuel efficiency. "Our introduction to engcon was travelling to overseas trade shows, together with a strong and positive social media presence. We could immediately see the benefits of adopting the engcon technology within the Anric operation.

"Our interest in engcon was sparked through the realisation that engcon tiltrotator systems and engcon EC-Oil quick hitches would make us more efficient, far more productive and provide high safety for our people and others who are working on construction sites. We

have more than fifty engcon systems on our excavators. “Our first engcon system dramatically demonstrated the enormous benefits of using the tiltrotator. From that time, we had no hesitation in expanding our inventory of tiltrotators. All the engcon systems have been extremely reliable, efficient and their benefits have exceeded our expectations.

“In addition to the full suite of engcon tools and attachments, we have a large inventory of custom-built tools that we have developed over the years for the specialised tasks required by our customers. The engineers at engcon have been incredibly supportive, wherever needed, to help our integration of these specialised tools to the engcon system.

“The nature of our work typically involves numerous tool changes throughout daily shifts and this is where the engcon EC-Oil has truly become an indispensable part of our business,” Jamie added.

The electric revolution

Commenting on Anric Group's most recent engcon tiltrotator acquisition, Anthony Spinozzi said, “There has been an increase in the number of customers who have indicated an interest sustainable practices and wish to reduce their diesel usage over time. Our hundred percent electric eight-tonne Hitachi ZE85 excavator represents a trial to see how the market responds to this sustainable option.

“We see some benefits in offering an electric machine,

particularly as we are an industry leader that prides itself on being innovative and progressive. The world is moving towards sustainability and regardless of how long this movement may take, we want to have the electric experience so we can explain to customers the benefit of the technology.

“At this stage, deployment of an electric excavator may not lead to lower pricing, however there are specific projects and applications where this equipment will be an industry solution. The key advantage of the electric excavator is its absence of noise and there are no fumes or liquid fuel issues. The ZE85 is ideal for working in small or constrained areas, tunnels or in box-type locations where noise and fumes are definitely an adverse factor.

Tiltrotators are essential

“One cannot imagine our business operating without our engcon tiltrotators. They are an integral part of everything we do and enable us to deliver projects that demand the highest standards of efficiency and safety. Anric Group's journey is a narrative of innovation, adaptability and commitment to excellence. By embracing technological advancements and prioritising sustainable practises, Anric Group continues to shape the future of construction, ensuring its position as a leader in the industry.” Anthony added.





Full EC-Oil, full flexibility!

With EC-Oil, you can effortlessly change hydraulic tools in approximately ten seconds, all from the comfort of your cabin. Say goodbye to time-consuming manual processes and embrace the convenience and efficiency of engcon's automatic quick hitch system. Experience the difference for yourself - get yours today!

For more information, visit engcon.com/ecoil