*09 July, 2014*

**Advanced new drive solutions being launched at Electra Mining 2014**

*Specialist drive engineering company SEW-EURODRIVE will be launching four internationally recognised solutions that are ideal for mining applications at this year's Electra Mining Africa Exhibition, which is being held in Johannesburg in September 2014.*

Recognised as Africa's leading mining conference, Electra Mining attracts more than 38 000 industry professionals from the continent in over 38 000m2 of exhibition space during the five-day event.

SEW-EURODRIVE general manager of communications **Rene Rose** believes that Electra Mining provides the greatest degree of high level exposure for the company's range of new and existing solutions.

The theme for the SEW-EURODRIVE stand this year will be ‘The Meeting Place’. “We would like to invite visitors to meet with us at our stand to discuss possible solutions for their specific application requirements.

The stand promises to provide visitors with professional interaction from industry experts,” comments Rose. This is in keeping with the company’s new business philosophy of providing customers with application solutions and automation for any area of their business.

Rose adds that daily presentations will also be held in conjunction with SAiMechE.

"The African mining sector continues to hold potential for tremendous growth. Electra Mining hosts the top leaders of the industry under one roof, making it the ideal stage for professional networking and generating new business leads," she explains. In addition to mining, Electra Mining also attracts other heavy industry visitors from all spheres.

The SEW-EURODRIVE solutions that are being officially launched at Electra Mining 2014 include;

**MAXOLUTION**

Maxolution is a new business unit which takes care of business from a consultant perspective. This service offers customers customised solutions based on their particular application requirements. The idea is that the customer comes to SEW-EURODRIVE with their requirement of moving something from point A to B, and the mechatronic engineering Maxolution team will provide a solution that is best suited. Everything from planning, designing, engineering right through to the final finished product, as well as commissioning and after sales service, is covered by Maxolution. Rose states that, in essence, Maxolution is a complete one-stop engineering solution for motion control.

**Girth gears**

Girth gears are used to drive large, rotating systems such as dryers, rotary kilns or horizontal mills. The girth gears are installed around the circumference of these systems and transfer the drive torque from the gear motor to the rotary cylinder.

Rose states that traditional girth gears generally consist of two to four segments that are assembled together for processing. "This requires large and expensive machines for production, handling and heat treatment. The size of component parts also creates disadvantages with regard to casting and heat treatment."

In contrast, SEW-EURODRIVE girth gears are split into several identical segments in order to keep the component parts short and easy to handle. "SEW-EURODRIVE uses Austempered Ductile Iron (ADI) for girth gears, which boasts unmatched tensile strength compared to other materials," she adds.

**MOVI4R-U frequency inverter**

MOVI4R-U frequency inverters are the ideal solution for meeting basic drive technology requirements. Impressive features of this product series include an innovative operating concept and IP54 protection, which also enables installation outside a switch cabinet.

**MOVITRAC LTP-B frequency inverter**

MOVITRAC LTP-B frequency inverters are optimally matched to meet the requirements of applications outside of a control cabinet. The higher power range of this unit makes it ideally suited to the mining industry. They have been designed and developed for controlling the speed of asynchronous and synchronous motors without encoders and are particularly cost-effective in conveyor applications and hoists, as well as in fans and pumps.

SEW-EURODRIVE will be exhibiting at Stand J20 in Hall 6 throughout the duration of the Electra Mining Africa event, which is being hosted at the Nasrec Expo Centre in Johannesburg from 15 to 19 September 2014. For more information visit [www.electramining.co.za](http://www.electramining.co.za/EN/Content/Pages/Home)

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**Media Contact**Kelly Farthing NGAGE Public Relations Phone: (011) 867-7763Fax: 086 512 3352Cell: 079 367 7889 Email: [kelly@ngage.co.za](mailto:kelly@ngage.co.za)Web: [www.ngage.co.za](http://www.ngage.co.za)

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