**Simplistic and durable frequency inverters ensure operational efficiency and sustainability**

*26 September, 2014: An easy-to-operate and environmentally-friendly range of MOVI4R-U frequency inverters are being introduced to the local industrial sector by specialist drive engineering company SEW-EURODRIVE.*

MOVI4R-U frequency inverters have been specifically designed to support the essential functions of an electrical inverter – which is simple speed control for asynchronous motors.

The new MOVIR4U series of products covers a power range from 0.25 kW to 1.1 kW (3x AC 400 V) or 0.25 kW to 0.55 kW (1/3x AC 230 V).

SEW-EURODRIVE electronics manager **Norman Maleka** notes that the MOVIR4U frequency inverters are supported by a straightforward and intuitive operating concept.

“A user-friendly control knob – which is a combination of a rotary switch and pushbutton – allows for full control of the start-up, set point selection and the operating status,” he explains.

The control knob is used to set all equipment parameters via just two menu levels. The coloured status LED indicates the status of the device and provides prompt information about the cause of any occurring fault.

Furthermore, an operating card that comes standard with the device enables users to perform start-up and troubleshooting with no outside help or additional product documentation.

Simplicity is the driving force behindMOVI4R-U frequency inverters. As a result, no external computer software is required for operation, thereby ensuring efficiency and added user convenience.

What’s more, MOVIR4U frequency inverters are housed inside an IP54-certified aluminium housing case to ensure that they are able to withstand the harsh African operating environment.

“IP54 certification ensures that the unit is dust and water tight, which enables the user to wall-mount it on the outside of a switch cabinet. Thanks to its user-friendly design, the unit can also be installed inside the switch cabinet too, if the application requires so,” Maleka continues.

In addition to the straightforward operation and installation, the innovative design of the MOVI4R-U frequency inverters allows for the quick and easy removal or replacement of parts, as the products feature a maximum of four components, held together by a single screw.

The components include; the aluminium housing, operating unit, internal power section and fan assembly. “This allows for easy installation and repairs. This design concept is also sustainable, as it ensures that used materials can be recycled and reused at the end of the product’s operational lifespan, without a great need for dismantling,” concludes Maleka.

SEW-EURODRIVE will be launching the MOVI4R-U frequency inverters at Electra Mining, which is being hosted at the Nasrec Expo Centre in Johannesburg from 15 to 19 September 2014. The company will be exhibiting at Stand J20 in Hall 6.

For more information visit [www.electramining.co.za](http://www.electramining.co.za/EN/Content/Pages/Home)

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