



Green Energy: Biomass | Hydrogen | Hydro | Waste-To-Energy www.lesedins.co.za

Lesedi Nuclear Services combine comprehensive Engineering Solutions for all phases of renewable projects; from engineering and procurement to construction, and project management in the power industry.



<http://www.engineeringnews.co.za/article/new-range-of-unbalanced-motors-specifically-designed-for-africa-operations-2015-05-22>

Exclusive range of unbalanced motors for Africa launched

PUBLISHED 22 MAY 15 BY: MIA BREYTENBACH



KEY BENEFIT The replaceable stator housing pack of the motor allows for easy maintenance and increased life and improved efficiency

Specialist vibrating-equipment supplier Joest South Africa launched an exclusive range of unbalanced motors, specifically for use in Africa's harsh operating conditions, in March.

The range has been developed in partnership with an established Europe-based vibrating-motor manufacturer, which has more than 55 years' experience in this field.

"Our philosophy of 'engineered solutions' ensures that we fully understand each customer's specific needs, thus delivering a customised

solution, which dramatically reduces downtime," Joest service GM **Theresa Walton** says.

"Our extensive operating experience and reference base in Africa enabled us to factor in various design improvements to extend the uptime on customers' vibrating equipment and improved ease of maintenance," she adds.

Walton further highlights that the new IP 66-rated unbalanced motors feature enhanced water-ingress protection, a rigid stator housing and an enlarged mounting area for increased secure bolting.

"As the motors are applied in significantly wet conditions, the ability for water to ingress into the motor is reduced substantially," she says.

A key benefit of the motor is the replaceable stator housing pack, which allows for easy maintenance, as well as increased life and improved efficiency. Walton says the pack makes rewinding unnecessary, which

improves the power efficiency of the motor over its life.

Another material feature is a safety/security mechanism, in which two isolation gaskets and seals are integrated into the top of the terminal box, she adds.

“The overriding benefits result in greater tonnage throughput over the life of the motors, while ease of maintenance boosts the reliability of the motor,” she says.

Further, Joest offers customers warranties of up to two years, provided that they enter into a full on-site service agreement with the company. Walton says the major advantage of such service contracts for customers is that Joest then provides customers with continuous on-site maintenance and equipment performance support.

“Customers are demanding that the original-equipment manufacturers (OEMs) back their products 100%. The supply of vibrating equipment with a Joest drive fully delivers on this expectation,” Walton adds.

The unbalanced motors are available in four-, six- and eight-pole configurations, with torque ranging from 100 kg/cm to 2 050 kg/cm, and voltage up to 690 V, including options from 0.5 kW to 5.5 kW – or larger on request.

Meanwhile, Joest supply chain manager **Jan Schoepflin** highlights that the unbalanced motor range matches the footprint of Joest’s previous unbalanced motor range.

“Joest South Africa also increased the surface area of the motor’s footprint to allow for more contact and solidity, thereby reducing the risk of the motor coming loose,” Schoepflin says.

Joest South Africa has already supplied more than 70 of the new motors to the mining industry and will have a standard stockholding of 250 to 350 of these motors.

Market Demand

In the last weeks Joest South Africa has supplied more than 70 of the new motors to the mining industry and also aims to supply the motors for industrial applications, such as bulk materials handling, Jan Schoepflin says, noting that the company will have a standard stockholding of about 250 to 350 of these motors.

As there is international demand for these motors, he notes that the company also plans to distribute the motors through partners in Australia, Europe and North America.

“We are differentiating ourselves, as we have noted where the opportunities for improvements are, and subsequently designed a competitive motor that meets all the industry requirements,” Walton adds.

She further stresses that the company is committed to providing a fast turnaround time, with 24/7 customer service, warranties and service plans through its network of service centres and branches in all the major mining areas in South Africa.

The company also has a significant stockholding of OEM parts, which includes Joest South Africa’s exciter gearbox range, Walton concludes.



+27 (0)11 622 3744



+27 (0)11 622 9350



newsdesk@engineeringnews.co.za



<http://www.engineeringnews.co.za>

Copyright Creamer Media (Pty) Ltd. All rights reserved.