

Transport refrigeration goes green

By: Keabetsoe Matshediso - Staff writer

Transfrig, the only South African manufacturer of transport refrigeration equipment, recently introduced its latest innovation, natureFridge that encompasses the green revolution in the world of transport refrigeration.

As its contribution to the green revolution, Transfrig has introduced natureFridge transport refrigeration systems that comprise 650 and 950 litre tank sizes for various configurations. This is the new generation of cryogenic refrigeration systems which can replace diesel-fuelled transport refrigeration; it is powered completely by liquid nitrogen for zero CO₂ emissions.

"The natureFridge system uses liquid nitrogen as a form of refrigeration. The liquid nitrogen is consumed in the process of refrigeration. This in turn results in a highly effective refrigeration process," says Peter Solomon, managing director of Transfrig.

The natureFridge units are solely designed for the application on truck or trailer and supports single or multi-temperature inside a load body.

The green fleet's day-to-day operations results in zero carbon emissions. Locally, companies that



are making use of this mode of refrigerated transportation are Shoprite Checkers and Imperial Logistics for Woolworths. "These units will be used to transport any perishable products. The natureFridge system can also be advantageous to meat transporters, as it would cause zero weight loss of meat while being transported," says Solomon.

The natureFridge, formally known as ecoFridge, is a global manufacturer of silent-running, emission-free nitrogen-powered transport refrigeration systems powered by liquid nitrogen for zero CO₂ emissions. The units have low running costs

and do not depend on expensive fuel. They require low maintenance and have a long life span. The units have fast pull down and tight temperature control even at extreme ambient conditions.

"The units are highly effective for both mono and multi-temperature configurations. Ultimately, natureFridge could become the primary choice of refrigeration for larger trucks and trailers," Solomon concludes.

"It's going to be a fantastic option going forward. We are confident that both Shoprite Checkers and Woolworths are going to make more use of the product in the future." **CC**

Accreditation brings progress for industries

Unitemp laboratory has received accreditation from the South African National Accreditation System (SANAS) for on-site calibrations.

Just over a year ago, the Unitemp calibration laboratory received accreditation by the SANAS and the lab became known as

'SANAS Lab 363' for temperature metrology. Due to an increase in demand for calibrations, the decision was made to expand the facility in 2012. The Unitemp Calibration Laboratory has also now obtained SANAS accreditation for performing on-site calibrations.

Rory MacGregor, Unitemp's lab head said: "We look forward to being of assistance to industries

within our region, and possibly beyond." MacGregor added that: "Having the SANAS accreditation means our certificates contain valid measurement results and are fully recognised by local and international inspection bodies.

The certificates are also important to prove facilities comply with HACCP, insurances and other regulatory requirements." **CC**



TRANSFRIG



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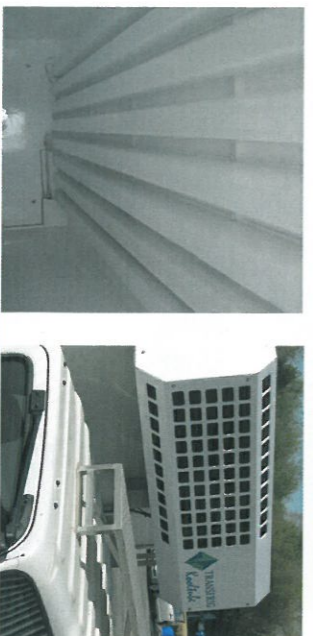
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