

## Welcome:

This is the 23rd edition of TecNews the Newsletter from Verotec. In this edition, latest news announces a new appointment at Verotec and changes to our factory. In the product feature we discuss our range of 19inch fan trays. In recent projects we discuss a Diplomat VPX System. The team at Verotec would also like to wish you all a very Happy Christmas and a prosperous 2013



## Latest News:

Verotec is pleased to announce the appointment of **Darren Sainsbury** to the post of Quality Engineer. Darren will be working closely with Verotec's operations team to ensure on-going improvements in Verotec's quality and maintaining the company's ISO 9001 quality systems.



In order to meet the ever increasing demands of the electronics enclosures market Verotec have just installed a new mezzanine floor. This will significantly increase the storage space available.

Verotec's strategy is to hold enclosure products in piece part form and kit or assemble them to order. The increased storage space provided by the mezzanine will provide more storage space for component parts enabling the company to supply an even wider range of products from stock.

If you would like to know more then please contact Verotec's sales team on 02380 246900 or e-mail: [sales@verotec.co.uk](mailto:sales@verotec.co.uk)



# Happy Christmas



- **Welcome / Latest News**
- **Product Feature: 19 inch Fan Trays**
- **Recent Projects:**



## Product Feature: 19inch Fan Trays

Verotec's range of 19inch fan trays are designed as a cost effective solution providing cooling as an integral part of rack mounted equipment. There are three versions standard, filtered and intelligent.

The **standard** and **filtered** versions operate at fixed speeds and are designed to offer good reliability and performance in high density applications. The standard version is a tray with 1U aluminium front panel and the filtered version is constructed with a removable, washable filter which is intended to reduce dust build up. Both versions are supplied with a front panel mounted power indicator. The standard and filtered fans are available in 3 fan and 6 fan versions and both have 115v ac, 230v ac, 12v dc & 48v dc options. Airflow is up to 120cfm per fan, depending upon the option chosen.



The **intelligent** fan trays are design to form part of a rack management system. They provide cooling in response to the thermal requirements of the rack whilst monitoring the temperature of specific components within the rack if required. In the event of a fan or thermal sensor failure the unit will provide a remote and local alarm, by means of volt free changeover contacts. Intelligent fan trays are manufactured in a 1U tray with aluminium front panel either with 3 or 6 fan options. The ac input voltage is auto ranging from 100 to 240v ac at 47-63 Hz. There is also a -48v dc (-40.5 to -57v dc). The intelligent fan trays require a thermal sensor to operate and these are supplied with leads from 0.5m in length up to 3m in length. This is so that the sensor can be placed next to any equipment that has specific thermal management requirements

## Recent Projects: Diplomat VPX System

Verotec has recently completed the design and manufacture of a number of custom VPX systems for a data acquisition market application. Externally, the customer required a desktop housing that was both stylish and robust whilst internally, a subrack conforming to the IEEE 1101.10/11 standard (for the VPX backplane) was needed. To address the main housing requirement, a modified 3U x 10.5" x 322mm diplomat case with ventilated plinth was used and fitted with front and rear cover trims to hide the sub-rack fixings. Verotec's KM6-RF product was used internally to support the VPX backplane, card guides, pluggable power supply and rear transition area whilst providing the features of IEEE 1101.10 such as EMC, ESD protection, front panel coding and support for inject / extractor handles. The units are shipped assembled, wired and tested with a PICMG 2.11 positronic power interface board, CompactPCI power supply and 5 slot VPX backplane.

