

### CONTENTS

- Welcome to ExecuJet South Africa's Avionics News
- Installations Completed
- Installations in Progress
- Regular Safety Checks
- Featured Product
- Newsflash
- Customer Survey Reminder – Win a hand-held personalised ELT!
- Words of Wisdom
- Avionics Team

### CONTACT US

**EXECUJET EUROPE**  
Entrance One  
Lanseria International Airport  
Johannesburg  
South Africa

PO Box 2  
Lanseria 1748  
Johannesburg  
South Africa

Tel: +27 516 2452  
Fax: +27 659 1003

avionicsinfo@execujet.co.za  
www.execujet.co.za

### Welcome to ExecuJet South Africa's Avionics News

Welcome to 2009, a brand new year with exciting possibilities. We trust that you had a relaxed and enjoyable holiday. May you have a prosperous 2009 in all that you do. Best wishes from our Team.



This month we focus on safety referring to regular checks and services as well as equipment that keeps you safe up there.

Until next month – enjoy the read!

If you have any feedback or queries, e-mail us on [avionicsinfo@execujet.co.za](mailto:avionicsinfo@execujet.co.za).



Kind regards

VINCE GONCALVES

Vince Goncalves  
General Manager: Avionics - South Africa

### Installations Completed

#### Commander 690 – Avionics Upgrade

Equipment Fitted: GMA340, GNS530, ELT & Panel Revamp carried out

ELT fitted in accordance with decision made by the Cospas-Sarsat Council to replace all 121.5 MHz distress beacons (ELT) with 406 MHz distress beacons. All 121.5 MHz monitoring beacons will be switched as of February 2009.



Avionics Upgrade – Before



Avionics Upgrade – After

▲ BACK TO TOP

### Installations in Progress

#### Cessna 182 – Avionics Upgrade

Equipment fitted:  
S-Tec System 50 Autopilot  
S-Tec GPS Steering Converter  
Sigma Tek Autopilot Type Directional Indicator  
Garmin GPS 250XL



Avionics Upgrade – Before

Now for the perfectly reasonable question: Why should you invest in an autopilot when you have so many options? You could buy a new GPS system, a weather avoidance system or a Multi Function Display. Or you could even get a new paint job and interior. If your current autopilot works properly and you're satisfied with its features and functions, the practical answer is – spend your money elsewhere. An MFD, for example, could reduce your workload even further.

If you don't own an autopilot, or if your current system either doesn't work properly or serves only the roll axis – or if you want to reduce your cockpit workload even more, you may want to consider an autopilot with updated features and functions, such as vertical speed command and GPSS. Your decision should be based on pilot workload and safety.

#### Considerations

Q Which instrument upgrade or avionics upgrade would benefit you most?  
A Compare another piece of equipment with the benefits of an autopilot –

- An autopilot flies the aircraft for you. The newer GPS systems and MFD's will help you navigate, but you still must fly the aircraft.
- An autopilot can help you in a difficult situation.
- An autopilot reduces your workload more significantly than GPS systems or Multi Function Displays.
- The autopilot not only flies the aircraft for you, it also has the capabilities to navigate from a VOR, LORAN or LOC signal, or even from your existing GPS unit.
- If you make 100 flights a year, how many times will you use an autopilot? Experience indicates you will want to use it on every trip.

We've installed nearly 300 S-Tec autopilots over the past seven years and find their autopilots extremely reliable and of good quality.

▲ BACK TO TOP

### Regular Safety Checks

This is something that is not done on a regular basis by aircraft operators and owners AND SHOULD BE.

We all know insects love small holes to make a cosy home. The pitot tube and static ports on your aircraft are the perfect places for these insects to live. When the hole becomes occupied, this causes a restriction of airflow to the pitot static components. Erratic readings on the Airspeed indicators and Altimeters are the cause of many accidents and can be avoided by means of preventative maintenance.

Have your pitot static systems checked on a regular basis and avoid becoming a statistic.

▲ BACK TO TOP

### Featured Product

#### STORMSCOPE - Lightning Detection Systems

Designed by L3 to interface with most Multi Function Displays, the WX-500 allows pilots to view lightning information directly on their MFD - on a dedicated page or overlaid on the map.

#### Key Features

- Plots lightning as it happens, before the onset of precipitation
- Displays lightning in 25, 50, 100 & 200 nmi ranges
- Pilot selectable Cell and Strike modes
- 360-degree view or 120-degree forward looking
- Updates lightning information every second
- Strike Rate indicator details building or dissipating storms
- Integrates with SkyWatch Collision Avoidance Systems



DON'T FORGET ABOUT AVIDYNE'S WEEKLY WEBINARS INFORMING YOU ON THE PRODUCT CHOICE FOR YOUR AIRCRAFT.

Logon to: [www.avidyne.com/support/webinars/index.asp](http://www.avidyne.com/support/webinars/index.asp)

▲ BACK TO TOP

### Newsflash

We are excited to announce that ExecuJet recently opened its doors for aircraft maintenance at Cape Town International Airport. If you are in the Cape Town area, please contact Mark Abott on +27 21 934 2325, [mark.abbott@execujet.co.za](mailto:mark.abbott@execujet.co.za), for all your Maintenance and Avionics requirements.

▲ BACK TO TOP

### Customer Survey Reminder – Win a hand-held personalised ELT!

To all who took the time to fill out our customer survey – a big thank you! We want to know what you think and put the information to good use. In this light, we have extended the competition to win a personalised hand-held ELT with the closing date moved to 28th of February 2009. We will announce the winner next month. Please fill out the customer survey by clicking [here](#).

### Words of Wisdom

"If you have integrity, nothing else matters. If you don't have integrity, nothing else matters." – Alan Simpson

▲ BACK TO TOP

### Avionics Team



VINCE GONCALVES  
Manager: Avionics & Instrument Division  
[vince.goncalves@execujet.co.za](mailto:vince.goncalves@execujet.co.za)



PIETER BARNARD  
Administrator: Avionics Division  
[pieter.barnard@execujet.co.za](mailto:pieter.barnard@execujet.co.za)



CLAUDE FROOMBERG  
Workshop Manager: Instruments Division  
[clauder.froomberg@execujet.co.za](mailto:clauder.froomberg@execujet.co.za)



LINDY COCHRANE  
Administrator: Avionics & Instruments  
[lindy.cochrane@execujet.co.za](mailto:lindy.cochrane@execujet.co.za)

▲ BACK TO TOP