

## HELI-EXPO 2007

All the signs were present in Orlando that Soloy's Honeywell engine options for the Eurocopter AS350 are exactly what the industry needs.

The flow of traffic through the Soloy booth was heavy every single day of the show with interest in these conversions coming from countries all over the world. There is still strong interest from Canada, Australia and New Zealand but we received many, many inquiries from European operators seeking the LTS101 installation. The highlight of the show was the repeat order for 10 kits from Heliproducts of British Columbia (see story on next page).

Soloy wishes to pass on special thanks to our friends and colleagues at Honeywell, Rolls-Royce, Sagem, AFS, AKV, Airwork NZ, Heli-Lynx, and Intermountain Turbines for their continuing support and hospitality during the event in Orlando.

The drawing for a free AKV Cycle Counter donated by AKV was won by Paul Zimmer of Zimmer Air Services, Ontario, Canada.

### HELICOPTER FLY-IN



## SOLOY'S NEW WEBSITE PUBLISHED

Soloy's new website has now been published. You can view it at [www.soloy.com](http://www.soloy.com).



**SOLOY'S BOOTH**



**DISCUSSING STRATEGIES**



## SOLOY AVIATION SOLUTIONS ANNOUNCES THE SALE OF 10 AS350SD2 KITS TO HELIPRODUCTS

Soloy Aviation Solutions announces the sale of 10 AS350SD2 conversion kits to Heliproducts (HAI 2007 Booth #3234). Heliproducts Industries, Pitt Meadows, BC, Canada, specializes in AS350 component sales and completions, retaining a limited number of AS350B2 aircraft for lease inventory. They have been "more than satisfied with last year's deliveries of 5 Soloy AS350SD2 kit installations" said Mark Steen, President of Heliproducts. This new 10 kit order will allow Heliproducts to offer complete exchange/conversion services to AS350 owners who want to trade in their existing engines on a fly-in, fly-out basis, or a complete aircraft exchange. Soloy Aviation Solutions is very pleased with Heliproducts commitment to this latest Soloy conversion and looks forward to a continuing good relationship with this helicopter conversion customer.



***(Left to Right) Soloy's Tony Uhl & Dave Stauffer;  
Heliproducts Ken Wilby, Mark Steen & Dan Cannon***

Soloy has continued to receive extremely high interest in this product from operators worldwide. "With the acceptance of this purchase order, Soloy's order book for 2007 stands at 38 kits for this new conversion", said David Stauffer, CEO of Soloy.

Soloy Aviation Solutions has over 35 years of experience in aircraft modifications and has completed numerous re-engine programs. They have been developing innovative aviation products that offer alternatives to existing aircraft designs and have produced more than 49 STC's with certifications in 29 different countries.

Both Soloy Aviation Solutions and Heliproducts will be in attendance at the HAC Expo in Vancouver, BC in April and invite all to come by and say hello.

## RECENT SOLOY SD2 DELIVERIES

Additions of our growing sales of the LTS101-700D2 installation kit include the following first quarter deliveries:

- SD2 kit and installation at Soloy's facility of Avialta's AS350B2 including an AFS Inlet Barrier Filter System. This helicopter is being operated by Abitibi Helicopters of Calgary, Alberta.



***AVIALTA'S SD2 OPERATED BY ABITIBI***

- A first kit to Universal Helicopters of New Foundland, Canada installed at Eurocopter Canada, Ltd. in Montreal. Universal is a long time Soloy operator having possibly the largest fleet of Rolls-Royce 250-C20R powered Bell 206L's in existence.
- A third kit to Heliproducts, who installed the kit in a helicopter operated by Lakelse Air, Ltd. of Terrace, BC.
- A third kit to Heli Techniks of Quebec.
- A second kit to Pacific Crown Aviation of Australia.
- A third kit to Pacific Western Helicopters of Prince George, BC.



***PACIFIC WESTERN'S "BARNEY"***

## SD2 DELIVERIES (Continued)

- A first kit to Custom Helicopters, Ltd. of St. Andrews, Manitoba.
- A third kit to Papillon Grand Canyon Helicopters of Boulder City, Nevada.
- A second kit to Helicopters NZ, Ltd.
- A first kit to Rotor Services Australia of Victoria, Australia.

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## ORANGE COUNTY SHERIFF INSTALLS SOLOY'S LAW ENFORCEMENT PACKAGE

Soloy's Rob Graf traveled to the Orange County Sheriff's Department in Orlando, Florida to install an increased clearance headliner and left side observer window in the department's Cessna 206H. Both mods assist in making the 206 a perfect observation platform for law enforcement agencies. Orange County has since enhanced their aircraft even further by adding Soloy's swiveling observer seat base. (See Law Enforcement Package on our website following the tabs for Mark 1.)

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### *Turbine Tips*

Soloy began installing turbine engines in the seventies and recognized the importance of protecting the engines from foreign object damage. In those days the first choice was the particle separator which utilized swirl tubes to deflect airborne particles and prevent them from entering the engine airflow. Even though these systems provide good protection and prevent foreign object damage, they are not perfect. The biggest drawback was that they imposed a severe performance penalty as bleed air was used to purge the dirt collector and to create a lower pressure area to enhance the swirl tube efficiency. The second problem was that, while the engine was FOD protected, very small particles did pass through the separator and deposited on the compressor causing a gradual reduction in compressor efficiency. Soloy added a "mist eliminator" to all particle separators installed on our turbine Bells and Hillers to trap the particles that came through the separator. Due to the pioneering efforts of AFS and FDC that is exactly what is now available. The "mist eliminator" was actually a barrier filter that needed frequent cleaning, proving how poorly the separator protected the engine. AFS and FDC's inlet barrier systems incorporate filter media which prevents anything from entering the compressor and has little effect on power availability. The AFS filter is available from Soloy and approved on our SD2 and SD1 STC's.

## SOLOY AVIATION SOLUTIONS SUPPORTS PRACTICAL (HANDS-ON) APPLICATION FOR FUTURE ENGINEERS

This year Soloy Aviation Solutions gave financial support to the School of Mechanical Engineering, Saint Martin's University, Lacey, Washington.

CEO, Dave Stauffer, and Engineering Manager, Scott Carlson, believe that Soloy's contribution will assist in the students' capstone design project. This year Saint Martin's Mechanical Engineers challenge is to design and build an off road, all terrain vehicle per SAE specifications and enter it in the Western Regional Competition, to be held in Rapid City, South Dakota, at the South Dakota School of Mines, May 24-27, 2007.

The competition will consist of a presentation, plus acceleration, traction, maneuverability, endurance tests and a special event consisting of a rock crawl and mud bog trial.

Dean McClure of Saint Martin's School of Engineering personally thanked Soloy Aviation Solutions at the University's recent Engineering Banquet (Feb. 07). He said that "without the vision of forward thinking businesses like Soloy Aviation Solutions, the talent, skills and knowledge that our future engineers possess could not have a stage".

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## GROB SPn INLETS DELIVERED

Soloy recently delivered the first Soloy produced inlet assemblies to Grob Aerospace located in Tussenhausen-Mattsies in southern Germany. Soloy is building the heated inlets for all the pre-production aircraft and will begin delivering inlets by late this year for production aircraft. The SPn is an all-composite, eight seat, twin jet powered by two Williams FJ44-3A engines. EASA certification is expected in the first quarter of 2008.



**FIRST INSTALLATION OF SOLOY INLET**

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**ADDRESS CORRECTION  
REQUESTED**

**SPACE SHUTTLE ATLANTIS RETURNING TO THE ASSEMBLY BUILDING  
FOR REPAIR AFTER HAIL DAMAGE ON THE LAUNCH PAD.  
SOLOY CREW VISITED AFTER HELI-EXPO 2007, ORLANDO, FL**

