



## Maxwell Propulsion Systems, Inc.

*Super Novo Vias*

19132 59<sup>th</sup> Dr. NE

Arlington WA 98223

360.474.8118 Phone; 360.474.8299 Fax

### **Maxwell Propulsion Systems August/September, 2007 Update**

Summer 2007 has just whistled past; it seems that only yesterday we were getting ready for the Arlington Fly-in, and now it is Labor Day. The “guaranteed” August sunshine in the Pacific Northwest has gone among the missing the past week or so, but with luck the weather-gods will look kindly upon us in September.

#### **PSRU**

The New PSRU is in ground testing even as we speak! Amazing indeed! Thanks and gratitude are extended to, RogRoc Machining, LLC, Flex Manufacturing, Precision Parts, Sport International, and the entire MPS staff for their combined efforts and energies in design, development, and manufacturing and assembly. As many know, MPS made a strategic decision in late October 2006 to develop a new PSRU. The goal was to have the product ready to deliver July 2007. Well, not surprisingly, given the aggressive timeline, we didn't quite meet that goal, but read on...

Ground testing began in mid-August and with over 30 hours has progressed extremely well with only minor annoyances. On August 23<sup>rd</sup> we did a complete tear-down/inspection following twelve hours of testing; that inspection revealed normal gear break-in and no mechanical problems. We also took the first of five oil samples to send for analysis. Next week, we plan to install a flow regulator in the hydraulic clutch system to smooth out clutch engagement and do a 2<sup>nd</sup> complete tear down/inspection.

In other PSRU news, concurrent with development of the clutch engagement system, we are working on development of an elastomeric dampening system. The current plan is that the final 20 hours of ground testing will be done with the elastomeric coupler.

With this in mind and assuming the weather cooperates, ground testing should be completed by early/mid September and Jim Vanek at Sport International can begin flight testing.

As regards production and delivery schedule, we have received all major components for the initial production run of 25 and are getting quotes on the remaining components. With anticipated receipt of all production parts by October 2007, MPS expects to be in position to ship the new PSRU by early 4<sup>th</sup> quarter 2007. Granted, that is about 5 months *late*, but just 12 months following our re-design decision.

#### **VARIABLE PITCH PROPELLER and PROP PITCH INDICATOR**

Last May we announced that we successfully made the required modifications to the MPS prop pitch indicator such that it would be retrofitable to the CAP 200.

Unfortunately, we have encountered several unanticipated difficulties with both the software and one of the circuit boards for the CAP 220 version. During our ground testing we also tested the PPI and believe (our fingers are crossed) that these technical issues have been resolved.

We are in discussion with our engineer to determine a timeline for the software modifications required for the CAP 200. When we get a relatively firm answer from him, we will post something both on the WEB and to the NSICG board.

## **SPORT INTERNATIONAL**

Jim Vanek reports that he is seeing the end of the tunnel for getting his new tandem seat gyrocopter <http://www.sportcopter.com/supersport.php> ready for flight testing. So, it has been a long struggle, but based on Jim's report from Oshkosh there was a huge level of interest and many orders for the product are coming online. MPS is looking forward to getting into major production in conjunction with SportCopter.

## **MPS WEBSITE AND E-MAIL ARE BACK AGAIN!**

We talked with many more of our customers on the telephone than normal after our web host ceased business. This event caused our website to be down and email being unavailable for just over two weeks. The MPS website is once again up and running. We have added some additional documents, photos, a price list/order form, and system specifications. In the fall we hope to do a major facelift on the site.

## **MARKETING**

Now that we are fully confident that MPS not only has a viable product, but that we are set up to build products in response to customer's orders, we began a targeted marketing campaign. We had both a press release and display ad in the October issue of *Kitplanes*. We were invited to write an article for the September GlaStar Newsletter and Wayne Stafford plans to write a customer's viewpoint for the December edition. Last, but not least, we have contracted for display space at the Copperstate Fly-in, October 25<sup>th</sup> through 28<sup>th</sup>, 2007.

---

So, that's about all the news from MPS. We will try to get another update out in 6 weeks or so.

Best Regards and Safe Flying,

Maxwell Propulsion System Staff