

# Press Release

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# COSWORTH

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## **AeroMech, Cosworth and Arcturus Announce Heavy Fuel UAS Technical Collaboration**

**Northampton, England (10 June 2008)** - On 10th June 2008, at the AUVSI show in San Diego, Cosworth Ltd (including sister company Pi Research Ltd), Aeromech Engineering Inc and Arcturusuav LLC announced a Technical Collaboration agreement to develop a Heavy Fuel powered Unmanned Aerial System.

This collaboration presents an exciting opportunity for all three parties to integrate emerging technologies to create an Unmanned Aerial System that will address the worldwide needs of defence and commercial markets.

Since 1999, Aeromech Engineering, based in San Luis Obsipo CA, has specialised in the development and production of unmanned aerial vehicles (UAVs) and target drones for major aerospace companies. Aeromech Engineering has now emerged as a leading systems integrator with the capability to provide complete Unmanned Aerial Systems and recently delivered its 1,000th production vehicle.

Earlier this year, Cosworth Ltd, a UK based company with an operation in Torrance CA, announced selection by the US Navy as one of three companies to enter Phase 1 of the Ultra Endurance Unmanned Aerial Vehicle (UE-UAV) heavy fuel engine technology development programme. Cosworth's AE-1 engine is a true compression diesel engine designed and developed specifically for UAV applications. Cosworth's sister company Pi Research Ltd is a highly regarded data acquisition and data analysis business with a 20 year history of incorporating these capabilities into high reliability rugged designs capable of withstanding arduous environmental conditions. Pi Research Ltd has experience of UAV based telemetry and data acquisition, utilising its lightweight compact designs to allow the UAV payload capability to be maximised.

ArcturusUAV has developed the T-15 and T-16 rugged, high persistence UAV systems suitable for commercial and military applications where reliability and extended persistence are required. Typical endurance ranges from 12 to 24 hours dependant upon payload weight and fuel load. Over the last 12 months, Arcturus has routinely conducted successful test flights with the Cosworth AE-1 engine.

A spokesman on the behalf of all three companies said, "AeroMech, Cosworth and Arcturus will leverage their combined technical capabilities and market understanding to address the requirements of the defence and commercial UAS sectors at an integrated system level. The next few months will be a very exciting period for all three companies and we are looking forward to building on the achievements of our work to date."

### **EDITOR'S NOTE:**

Cosworth leverages its successful motor sport pedigree, performance technology expertise & globally recognised brand to provide high quality engineered solutions for a growing customer base across diverse industries. Over the years Cosworth has developed in-depth knowledge of engines, pistons, engine management systems and other precision engineered components. Today Cosworth supplies products and services to customers in Automotive, Aerospace, Marine, Industrial Power, Motorsport and adjacent markets.

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