



## PRESS RELEASE

# DBA Announces Strategic Relationship with HyperMach



SonicStar – HyperMach Aerospace Industries, Inc.'s supersonic business class aircraft is capable of achieving a speed of Mach 3.5 and is powered by SonicBlue Aerospace, Inc.'s proprietary gas turbine technology called "S-MAGJET".

### Design By Analysis, Inc. Announces a Contractual Relationship with SonicBlue Aerospace, Inc. to Provide Engineering Support Services for the S-MAGJET Propulsion System for HyperMach Aerospace Industries, Inc.'s Supersonic Aircraft – SonicStar

**Paris, France** – Design By Analysis, Inc. (DBA), a New Britain, Connecticut based mechanical engineering consulting company, has signed a Contract Agreement (CA) to provide on-going engineering support to SonicBlue Aerospace, Inc. (SonicBlue) who is responsible for developing and commercializing the revolutionary turbine engine called "S-MAGJET" that makes Hypermach Aerospace Industries, Inc.'s (Hypermach) supersonic aircraft called "SonicStar" possible.

SonicBlue's proprietary, patented, next generation S-MAGJET gas turbine technology will provide the propulsion needed to generate all of SonicStar's power needs. As result of this S-MAGJET based propulsion system, SonicStar will be able to achieve a supersonic speed of Mach 3.5, while at the same time meeting requirements for reduced emissions and low overland noise.

The CA confirms DBA's supporting role in developing the preliminary design of the S-MAGJET gas turbine, including mechanical engineering design and analysis of the aerodynamic engine structures.

DBA already has completed an initial contract with HyperMach in which DBA provided the technical support necessary to develop an updated design iteration regarding engine integration, previously engineered by the aircraft designers at Aeronautical Testing Services of Seattle Washington and the HyperMach aerodynamics Team. This work provided a new conceptual design and sizing of the outer-mold-line of the HyperMach's SonicStar aircraft, including engine nacelle integration of SonicBlue's S-MAGJET.

As part of DBA's CA with SonicBlue it has agreed to an in kind investment by providing up front engineering design and analysis support services in exchange for an equity position in SonicBlue. SonicBlue's Chairman and Chief Executive Richard Lugg commented that "Having DBA's technical engineering team involved at this early stage has already been invaluable in setting a course for success both from a technical design and a business perspective. We look forward to continuing to work with the talented team at DBA and are expecting that their attention to detail and commitment to quality will keep the program preliminary S-MAGJET propulsion program on target." Leonard Discenza, President of DBA, is excited and enthusiastic about being involved with both SonicBlue's S-MAGJET and the SonicStar conceptual design saying, "DBA relishes the chance to leave its mark in one or more critical mechanical engineering design areas related to commercial aviation field by its involvement with SonicStar. Being able to travel between New York and Dubai in under 2.5 hours will be dreams that come true for busy business class passengers".

You can see a small scale model of HyperMach's SonicStar aircraft and talk to DBA's President Len Discenza at the State of Connecticut booth within the US Pavilion at the Paris Air Show, Booth #3-B118.

### Design By Analysis, Inc

Design By Analysis, Inc. (DBA) - Engineering the Science of Innovation. DBA is a full service mechanical design, analysis, testing and prototype consulting company. Aerospace OEM's outsource challenging engineering sub-system and component designs to DBA in the area of aircraft propulsion, fuel and environmental systems. DBA performs high end fluids, structures, vibrations, and fracture mechanics analyses in support of its design of aircraft, turbines, pumps, valves, gearboxes, and actuators. To learn more about the ways in which DBA can work with you to meet your particular product development needs and tailor a flexible solution that fits your individual company needs, please visit [www.dbaworks.com](http://www.dbaworks.com).



#### **SonicBlue Aerospace, Inc.**

SonicBlue Aerospace, Inc. (SonicBlue) – is an aerospace company that develops advanced technology in the area of aerospace propulsion, electromagnetic power generation and systems control. SonicBlue has developed numerous patents and an engineered preliminary engine design and simulations and is seeking investment to further develop and commercialize the S-MAGJET engine technology together with other related proprietary technologies.

#### **HyperMach Aerospace Industries, Inc.**

HyperMach Aerospace Industries, Inc. (HyperMach) formally came into being in 2008, bringing together some of the most deeply experienced professionals in the international aerospace community in pursuit of the shared goal of revolutionizing high-speed supersonic air travel. Together, the team has developed an aircraft, SonicStar, capable of supersonic flight at a speed of Mach 3.5 SonicStar, tackles the combined requirements of speed, reduced emissions and low overland noise, effectively ushering in a new dawn in aviation history. Working with a proven team of management experts and supported by meticulous business strategy, HyperMach is currently working to secure investment and create value in preparation for launch of its prototype SonicStar aircraft in 2021. For more information about HyperMach, please visit [www.hpermach.com](http://www.hpermach.com).

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