

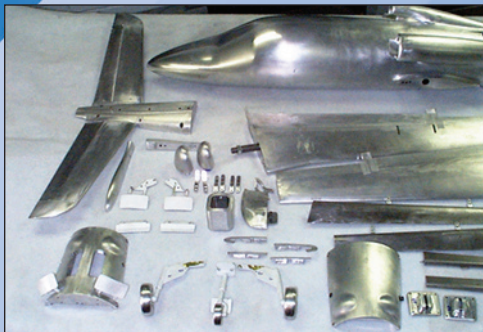


DARcorporation

PROTOTYPE FABRICATION & TESTING SERVICES

DARcorporation can fabricate and build anything aerodynamic, including airplanes, wind turbines, flying cars, UAVs and toys!

We can design, analyze and build the structure, whether it is made out of composites, metal or a combination. We will do analysis for strength, stiffness, flutter and overall system dynamics. We will select materials and provide layup schedules for composites.



DAR engineers have worked with many unconventional designs including experimental airplanes, flying cars, UAVs, power generating windmill blades and even flying toys. Our designs are optimized for best performance based on results from structural analysis, CFD and wind tunnel testing.

Our 3,000 sq. ft. shop is equipped with tools and equipment specific to prototyping and manufacturing of aircraft and wind energy devices.



In addition to designing your state-of-the-art vehicle, we will be directly involved in every step of its fabrication and assembly, thereby assuring that "what we designed is what you fly". We can perform load, flutter and flight tests to ensure that your aircraft does what we say it will do.

Please contact Dr. Willem Anemaat for additional information or a personalized proposal.

WIND TUNNEL & WATER TUNNEL TESTING

As part of our airplane design and analysis consulting services, DARcorporation performs wind tunnel and water tunnel testing, analysis and management.

We have extensive experience with many types and sizes of wind tunnel and water tunnel testing programs and have access to the experimental facilities at The University of Kansas, Wichita State University and The University of Washington.

Our technical team of highly skilled and qualified aeronautical engineers are capable of testing and analyzing models in subsonic and transonic flow regimes.

We can conduct flow visualization tests on models and provide qualitative assessments. We will also analyze stability & control and drag data derived from wind tunnel tests.



We can test models ranging from 6 inches to 6 feet, using in-house test stands fully integrated with cutting edge data acquisition systems and data collection capabilities in all six degrees of freedom.

Our engineers have extensive knowledge and expertise in testing and analysis of wind energy devices. We have tested and analyzed horizontal axis wind turbines and vertical axis windmills. These designs are rigorously tested using advanced simulation methods and verified in the wind tunnel, using our state of the art test stands tailored specifically for wind tunnel testing of windmill blades.

DARcorporation will plan and manage all aspects of testing, modeling and data analysis. We will provide the perfect liaison with wind tunnel model machining companies and perform model accuracy testing and analyze the results.

