Welcome to Samson Motors, Inc.

Within months of the Wright Brothers' first historic flight, thoughts of automobiles that could fly inspired a variety of concepts and contraptions. Generations later, while aircraft have taken on appearances and capabilities that would astound the Wright Brothers, there is still no successfully functional flying road vehicle. That status quo has been changed with the advent of Samson Motors' new Switchblade™ Multi-Mode Vehicle (MMV).

Part Motorcycle - Part Airplane and totally affordable fun

The Switchblade MMV provides a new era in modern aviation and offers an engaging driving experience. Drive to a nearby airport, extend the wings and fly to an airport close to your destination at 160 MPH in complete comfort and safety. Then retract the wings after landing and drive to the final destination, enjoying the fun and exhilaration of a power-to-weight ratio rivaling a Ferrari California. You'll arrive revitalized and we hope you won't mind that all eyes have been on you as you passed by.

Discover the Switchblade

The Switchblade is a kit aircraft that is currently in the prototype phase. Anticipated kit price is $60k US, without engine or instrument panel, resulting in an overall completed price of approximately $80k US. The target date for the first flight is early 2011, with kit deliveries expected in the fourth quarter of 2011.

The composite frame with steel keel will be provided as a kit aircraft, meeting the newest FAA guidelines. State of the art fully equipped Assembly Assistance Centers will provide expert training and guidance to help reduce build time and ensure proper construction. Switchblade Learning Centers are being established to provide valuable training experience for learning how to drive and fly this unique Multi-Mode-Vehicle, taking full advantage of its capabilities.

Aerospace Technology — Advanced Scissor-Wing Design

Consumer research at Samson has led us to develop a unique vehicle, which will provide a revolutionary mode of travel. The scissor-wing design not only weighs 200 pounds less than previous configurations, it allows for greater range and lower maintenance cost. This remarkable retraction system swings the wings closed like the blade of a pocketknife and is housed in an aerodynamic clamshell case under the belly of the vehicle, completely protected from road hazards. The structural steel keel provides extra protection from impact for the wings.

Aviation Economics — Flying that makes cents

With the cost of aviation fuel, tie-downs and hangar rent soaring, flying for fun is not as affordable as it once was. For many who love to fly but just can't afford it as often; for those who want their own aircraft but don't want the added expense of hangar rent, or maybe for those who spend long hours traveling to distant clients giving up valuable family time; the Switchblade will provide new opportunities for economical flying fun that is distinctive to this amazing mode of transportation.

Think about it! No taxi or limousine fees and no time lost waiting for one. No parking fees at the airport. No rental car hassles. No expensive aviation gas and no hangar rent. On the ground, the Switchblade is targeted for 50 plus MPG and in the air is anticipated to achieve 25 MPG at up to 200 MPH. Take your golf clubs, cameras or fishing gear and a companion and head out on an adventure that others have only dreamed about.

The Switchblade Test Vehicle

The ground test vehicle was revealed for the first time at the Golden West Regional Fly-In & Air Show 2010, in Yuba City, California. This full sized tube-frame vehicle is being used to validate drivetrain and suspension, while fine-tuning ground handling.

The culmination of many years of design experience, research and study, the Switchblade is the brainchild of successful inventor, Sam Bousfield. According to Bousfield, this innovative concept is intended to be as exciting on the ground as it is in the air.

While past attempts to build a flying car have concentrated on four-wheeled vehicles, the three-wheeled Switchblade affords a lighter, more functional and aerodynamic vehicle that uses proprietary technology to achieve what no other vehicle has achieved — stylish, safe and affordable performance in a Multi-Mode-Vehicle (MMV). There are future plans for a hybrid-electric version, as well as ground-only versions.

“We are homing in on man's dream for personal flight”, said Bousfield, —with outstanding performance, sleek styling and fuel efficiency, along with low emissions and undeniable versatility. It all adds up to a whole new era of personal transportation."

INCLUDED STANDARD FEATURES

- Fully adjustable plush leather seats for two people plus room for 50 pounds of baggage
- Emissions friendly engine options
- Safety Glass front windshield and Lexan side windows
- Heating and air-conditioning
- Stereo mp3 player with satellite radio capability
- Comfortable safety harness
- Front and Rear disc brakes with anti-lock brake system
- Dual Ground and Aircraft Lighting System
- Aviation ELT (Emergency location transmitter)
- Ballistic Parachute Recovery System (BPRS)

PRELIMINARY SPECIFICATIONS

- Estimated GTOW = 1500 LB (Gross Take Off Weight)
- LENGTH = 15’6”
- WIDTH = 5’6”
- HEIGHT = 5’1”
- SEATS = 2 (side by side)
- SPEED = 90+ MPH on wheels – 200 MPH top speed in flight
- RANGE = 880 miles on ground – 340 flight miles
- MPG = Estimated 50 MPG on ground – 25 MPG in flight
- WINGSPAN = 23’5”
- ENGINE = 150 HP (Optional 260HP)
- ESTIMATED TBO = 1500 hours (Time Between Overhauls)
- FUEL = Regular unleaded automotive gasoline
- FUEL CAPACITY = 16 Gallons including reserve
- STALL SPEED = 66 MPH with flaps extended

Samson Motors' Mission Statement

The purpose of Samson Motors is to introduce and make popular fun new means of transportation which reduce negative impacts on the environment, while increasing the efficiency and speed of travel. Samson is working to create the future of modern transportation through intelligent design, effective management and skillful marketing.

For High Resolution Images & Additional Information

High resolution Images are available for publication by downloading from our website at:
www.samsonmotorworks.com/media/

A brief video animation is also available for viewing or downloads at:
http://samsonmotorworks.com/media/switchblade/switchblade.wmv