

## Swift Genesis-

In a nutshell, Mary and I have had a vision to do practical research & development in "energy", as it's popularized today. In order to do this we've worked in the fields of power, ordnance, and propulsion for the majority of our careers. In order to do this, we had to pay our dues. We did this by our academic accomplishments, four degrees for Mary (CWRU, CIA, NIU), and four for me (CWRU); we followed this by working for private industry and the US government as Civil Servants (USAF and USN), and academia. Part of my education is as a Distinguished Graduate of the USAF Air War College. Mary is President & Co-Owner of Swift. I am Research Director & Co-Owner. I'm also an Adjunct Professor in the School of Aeronautics and Astronautics at Purdue University and in the Department of Astronautics at the US Air Force Academy. I am the Chief Engineer of the Energetic Materials Division at NAWC- China Lake. Lastly, Mary and I are closely connected with propulsion and power within the European Space Agency and EOARD.

The above allows us the latitude to critically assess the current global state of the energy situation from a variety of angles. During this assessment we realized that transportation energy is essential to the security of the US (and any country, for that matter). We embarked on Swift Development in recent time to do just that. Swift is developing two energy paths: renewable fuels for aviation and ground transportation, and direct proton fuel cells for ground and air transportation. We will look at whatever bio-mass is available to create bio-synthetic hydrocarbons that, mixed together, have energy efficiencies that meet or exceed current petroenergy; that actually is the "basis set" for Swift Development. We will win.

This is the story that we want the world to know.