

Proof of Concept Philosophy

We would like to first point out that we have no plans to start off with a 3,000 pound hydrogen engine, but like NASA, our plans are to start with something small and work up to something larger. Long before the Saturn V (Moon Rocket) there were smaller rocket vehicles beginning with the Jupiter, the Redstone, then Gemini and next the Mercury and Saturn series each of which some what larger than the previous vehicle.

We are a long ways from the availability of hydrogen engines as a concern. The end project will take years. If we had a wizardly way of instantly constructing a THRUST facility using hydrogen as the working fuel, it is felt that the THRUST architectural unit would have to operate continuously for at least one and one half years (with planned maintenance) before it could be incorporated into an infrastructure. However if the engines used petroleum fuel the architecture could be developed within two years. However once we had one unit completed, the units could be mass produced.

We are no different from others that employ hydrogen in an application. The first and early Jupiter rockets did not use hydrogen, but rather Alcohol and liquid oxygen. Later alcohol was replaced by something a little stronger than alcohol termed "Hydyne".

Similarly, we plan to start off with smaller engines of 20 pounds of thrust each (Please click on "Proof of Concept Hardware") and use petroleum based fuels before evolving to hydrogen. Hydrogen is a fuel that must be approached cautiously and with a considerable amount of respect.

Hydrogen has many issues related to its use beginning with safety, availability, delivery manufacturing and storage. There is probably a license required to purchase hydrogen from a manufacturer and the completion of some type of training course for those that handle this product in its physical form in regards to safety.