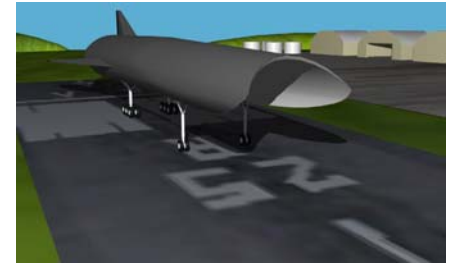
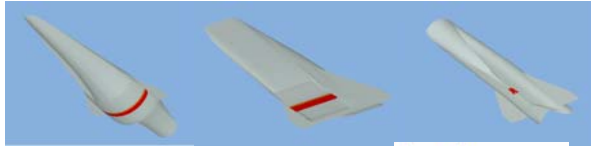


HySIDE



Outward 2D Inward



•HySIDE© is software that allows the user to design, size and properly “close” many Hypersonic Airbreathing vehicle systems

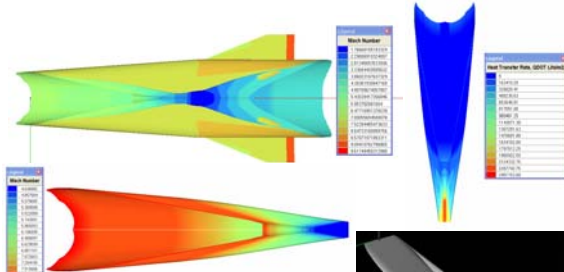
•HySIDE is an application of Astrox’s Proprietary software SIDE© (System Integrated Design Environment) to hypersonic vehicles

•More than 100 systems comprised of different propellants and SSTO and TSTO options for HTHL or VTHL systems currently available

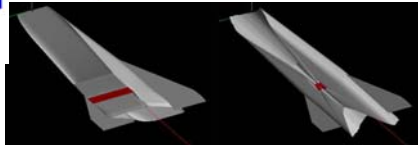
•TSTO options include all airbreather as well as rocket/airbreather option

•Inward turning, 2D and Outward turning geometries available

•All geometries (IGES and Rhino format) are available for further design and CFD analysis as needed



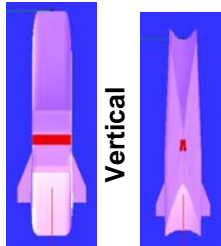
Inlets



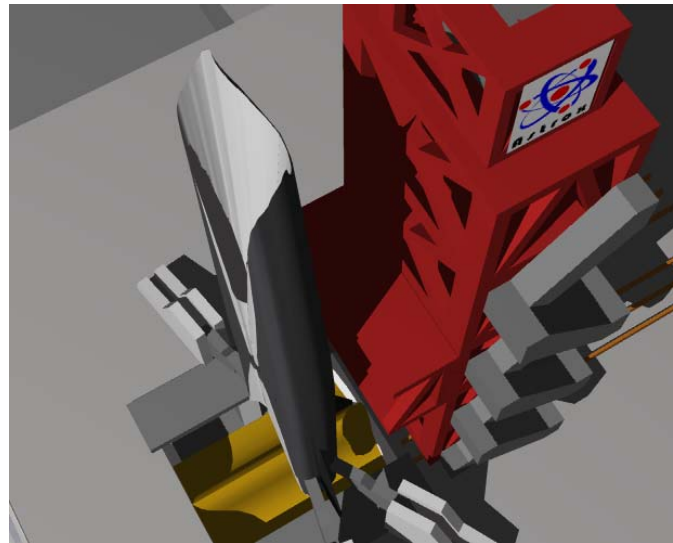
Important Capability of HySIDE is that the vehicles can be sized until properly “closed” in less than one day



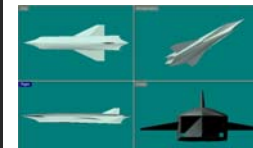
Horizontal



Vertical



Two Module



TSTO



Astrox Corporation:

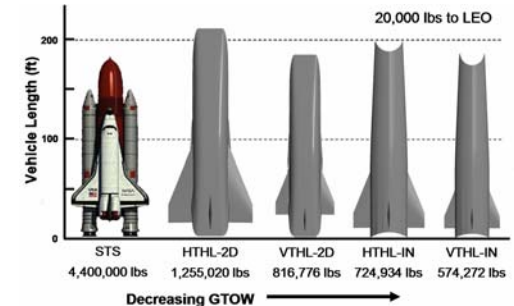
www.astrox.com

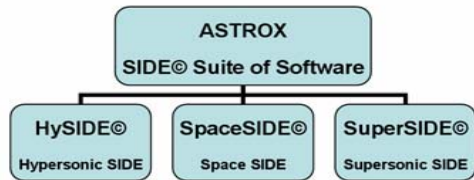
Phone: 301-948-4646

Email: sales@astrox.com

Dr. Ajay Kothari, President

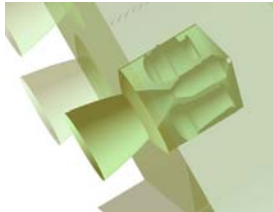
Dr. Christopher Tarpley, Division Head





SpaceSIDE

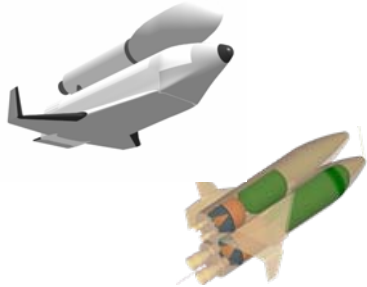
Components



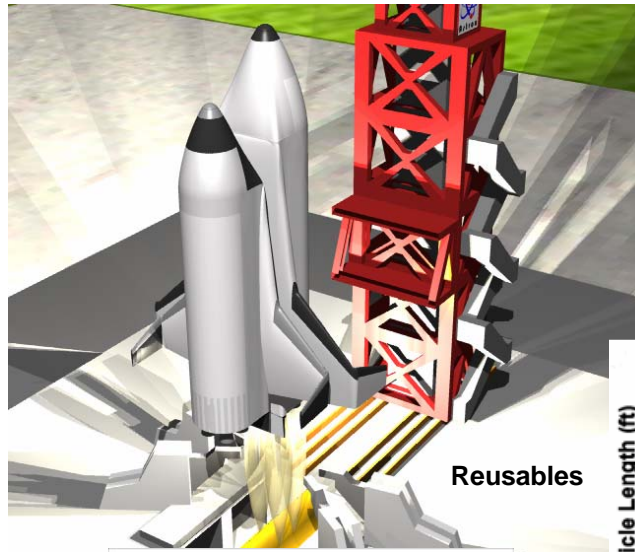
Solid



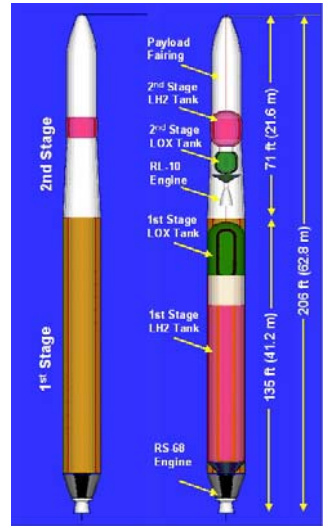
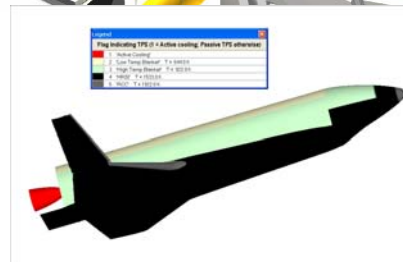
Hybrid



- SpaceSIDE© is software that allows the user to design, size and properly “close” many Space Access options
- SpaceSIDE is an application of Astrox’s Proprietary software SIDE© (System Integrated Design Environment) to space vehicles
- More than 50 systems comprised of different propellants and Reusable, Expendable and Hybrid TSTO and MSTO options currently available
- More than 25 OTS and research rockets are available for inclusion in RLV and expendable rocket systems
- All geometries (IGES and Rhino format) are available for further design and CFD analysis as needed



Reusables



Delta IV Medium

Important Capability of SpaceSIDE is that the vehicles can be sized until properly “closed” in less than one day

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Dr. Ajay Kothari, President

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