

# What is a flywheel?



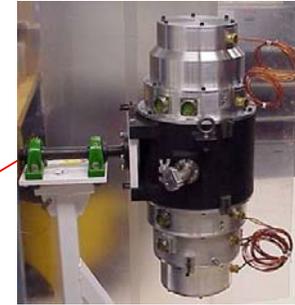
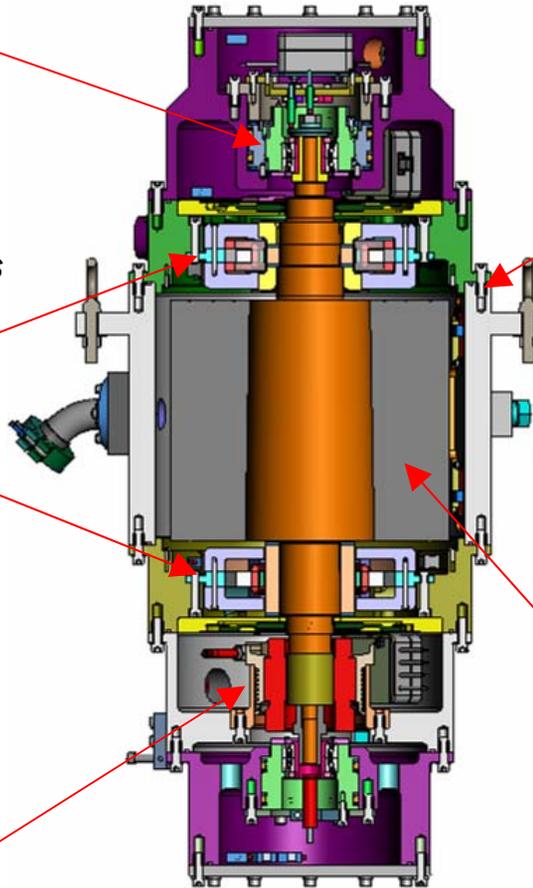
**Auxiliary Bearings – Capture rotor during launch and touchdowns**



**Magnetic Bearings – Used to levitate rotor. These non-contact bearings provided low loss, high speeds, and long life.**



**Motor/Generator – Transfers energy to and from the rotor. High efficiency and specific power are required.**



**Housing – A structure used to hold the stationary components together. Can also act as a vacuum chamber.**



**Composite Rotor – Stores energy. High energy density is achieved through the use of carbon fiber composites.**