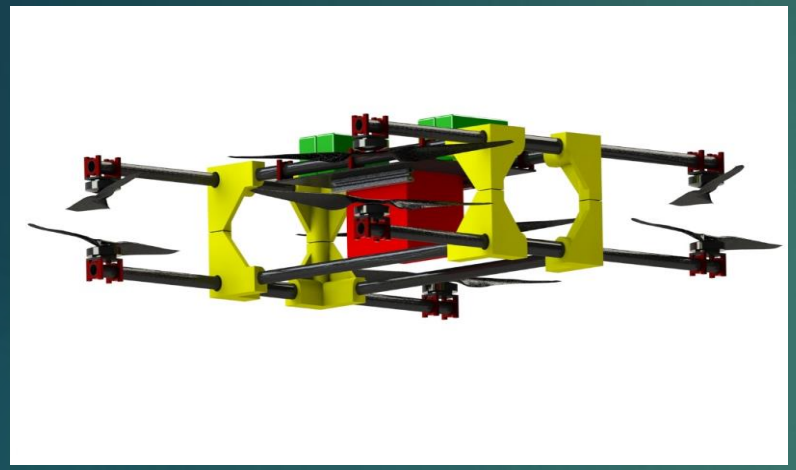
SimpleUAVs Heavy Lift UAV

The Unmanned Aerial Systems Flight and Payload Challenge



Electric Octo-copter X8 H-Framed Octo-Copter with

- 8 high efficiency out-runner brushless motors with lightweight carbon folding propellers
- PixHawk 2.1 or DJI A3 flight controller and GPS and bi-directional telemetry and control
- Futaba T-FHSS Radio Control (though FASST is preferred) and separate control from a Windows PC based ground station
- Ballistic Recovery Parachute and power disabler with separate power and radio link
- FPV and contest specified Cameras and Downlinks
- Ground Support Equipment required for safe operation.

I have over 7 years experience and expertise in multi-rotor and fixed with UAV design, systems, construction, testing, and operations in film, photo, search and rescue (SAR) and disaster relief mission worldwide. My shop is equipped with all the software, 3D printers (metal and plastic), CNC equipment, and tools to design and fabricate almost anything. The proposed UAV can be built and tested, and the required Phase II video within 6 weeks of funds availability. I hope you will give me the opportunity to do so by advancing this proposal to Phase II.