(1) Use bicycle wheels, perhaps buy a set of 4 so that 1 spare. Maybe wheelchair wheels as they have lower dia.?

(2) Formed fiberglass for the body
   a. LIDAR the original body, or if not accurate enough using the iPhones bring DSLR camera and stitch ~1200 photos into photogrammetry mesh.
   b. Place into Fusion 360 for design work
   c. Design new body through informed design choices and calculations through previous research paper. Perhaps use generative design?
   d. Run simulations to validate design. Re-do in progressive cycles until optimal design is achieved.
   e. Convert parametric refactored body into series of rib-shapes so that it can be 3D printed for mold making.
   f. 3D Print ribs and clean up 3D prints.
   g. Assemble all parts together to form the ribs of a mold.
   h. Pack with sand-glue mixture to form the bulk of the mold shape.
   i. Use LIDAR, photogrammetry pipeline to compare mold with the specified technical drawings as given from design phase. Ensures precision curves for proper forming.
   j. Sand down mold and cover with spray-on epoxy resin type finishing for easy mold removal.
   k. Using fiberglass cloth and epoxy resin form mold using "paper-mache" method. Ensure that layers maintain around 3mm thickness to cut on weight.
   l. Sand down formed fiberglass. WEAR PPE, RESPIRATORS, EYE PROTECTION, ETC. DUE TO SHARP GLASS PARTICULATE.
   m. Using spray paint cans apply paint to reduce the overall mass of paint used on the formed body.
   n. Graphics team takes over. Vinyl designs may be used to reduce weight by maintain high fidelity designs on the body.

(3) Cover steering tierods with formed fiber glass shell

(4) Change center of mass and mounting hard points

(5) Cockpit refactor with a better windshield

(6) Recalculate energetic margins and refactor main and auxiliary power buses.
   a. Use research from previous research paper to determine optimal energetic margins. Pay particular attention to the margin research as given for solar-flight optimization in paper and apply models to the car here.
   b. Also use mechanical design principles for reduced weight, parasitic drag, induced drag, etc. Minor changes have big consequences at our given energy margins!