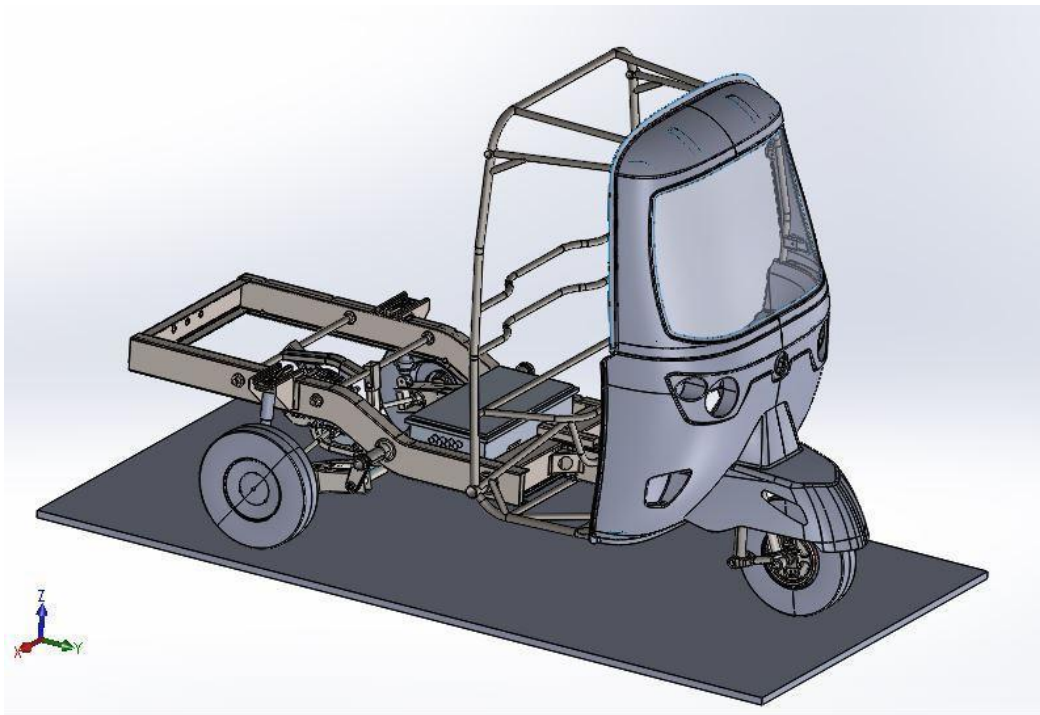


WELCOME

ELECTRIC CARGO VEHICLE DEVELOPMENT PORTFOLIO
I COVERED FULL VEHICLE DEVELOPMENT LOOP FOR
THIS PROJECT

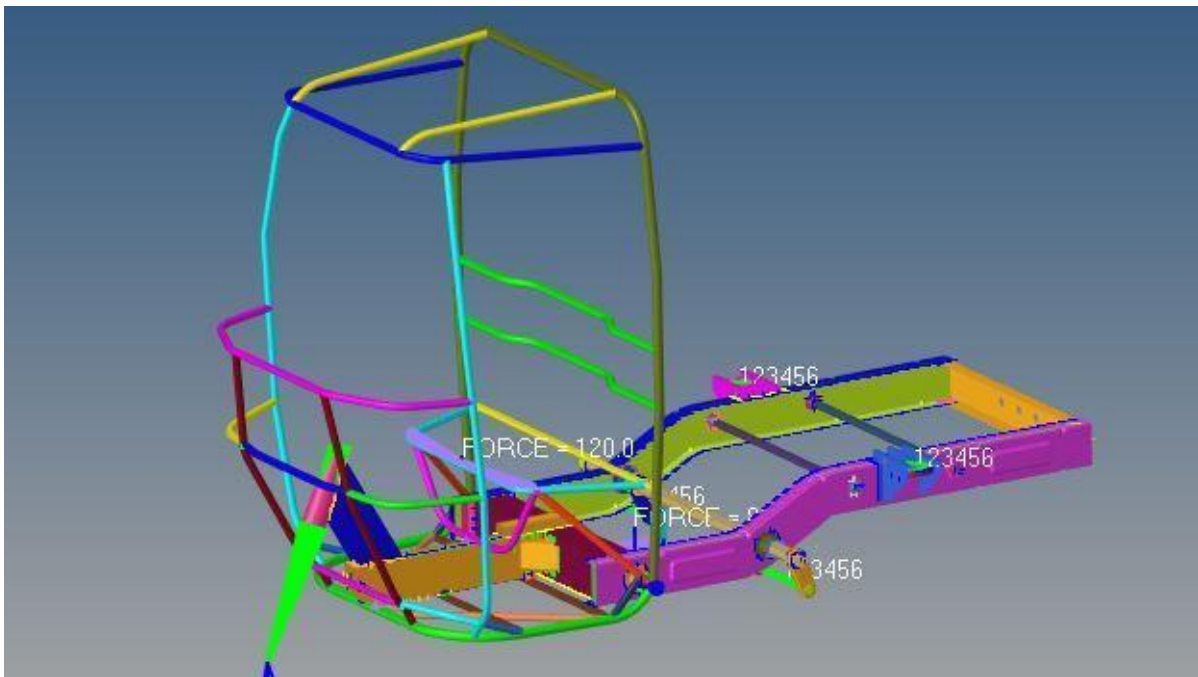
- 1.IDEATION PHASE ON PAPER**
- 2.HAND CALCULATION**
- 3.CAD CONCEPTUAL MODELLING**
- 4.STATIC ANALYSIS OF FULL VEHICLE**
- 5.FULL VEHICLE MULTIBODY DYNAMICS**
- 6.FULL VEHICLE NOTCHING JIGS AND WELDING
FIXTURE DESIGN**
- 7.PROTOTYPING**



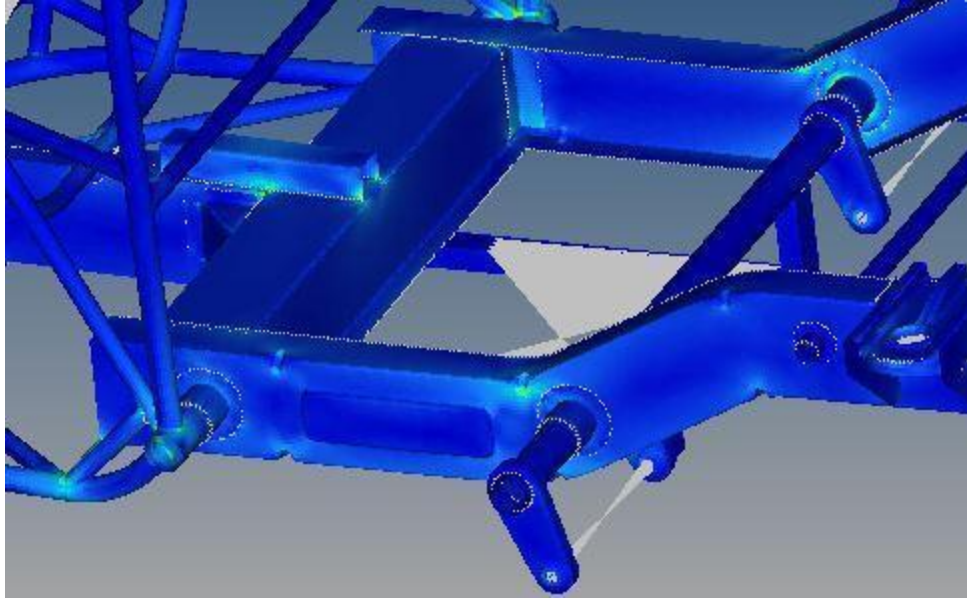
CAD Model of Electric Loader Vehicle



Actual Model of the Vehicle



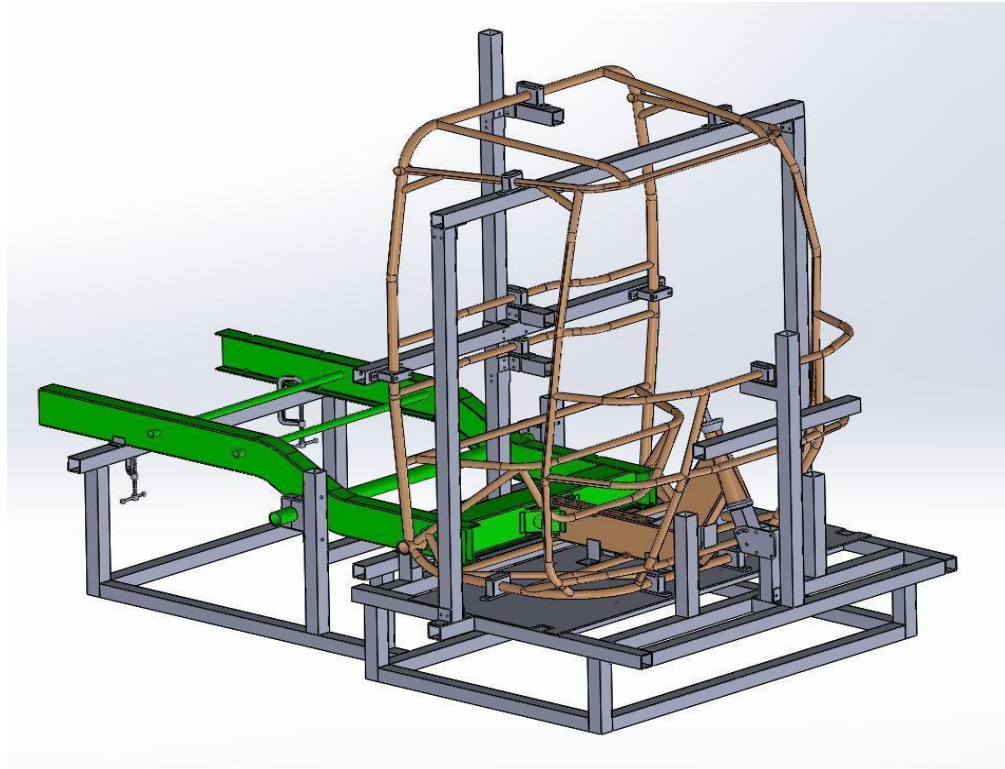
2D Meshed model of full vehicle structure in Hypermesh



Load Concentration Areas



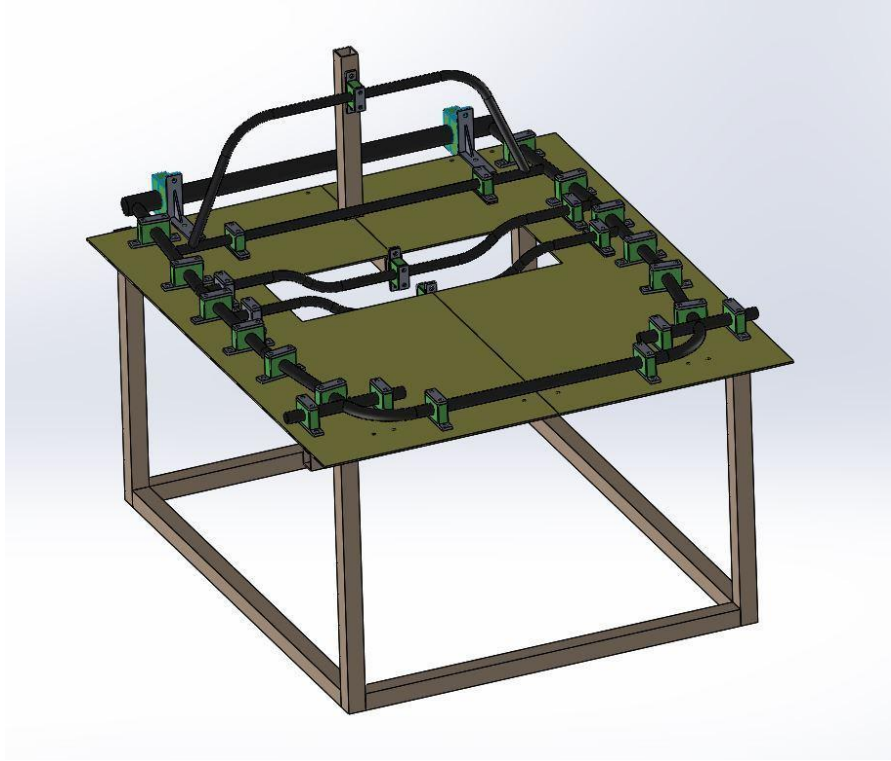
Simulation on MSC Adams View for extracting Load data



Full Structure Welding Fixture



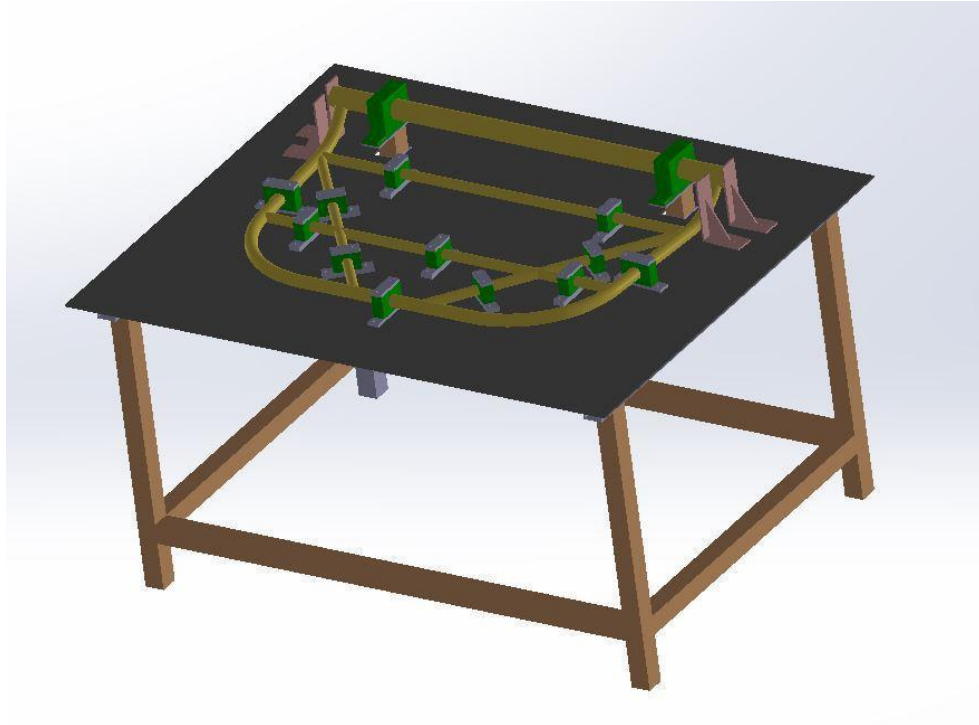
Real Full structure Fixture



Fixture for RRH loop



Real RRH Fixture



Base Loop fixture



Real Base Loop Fixture



Total Structure Assembly