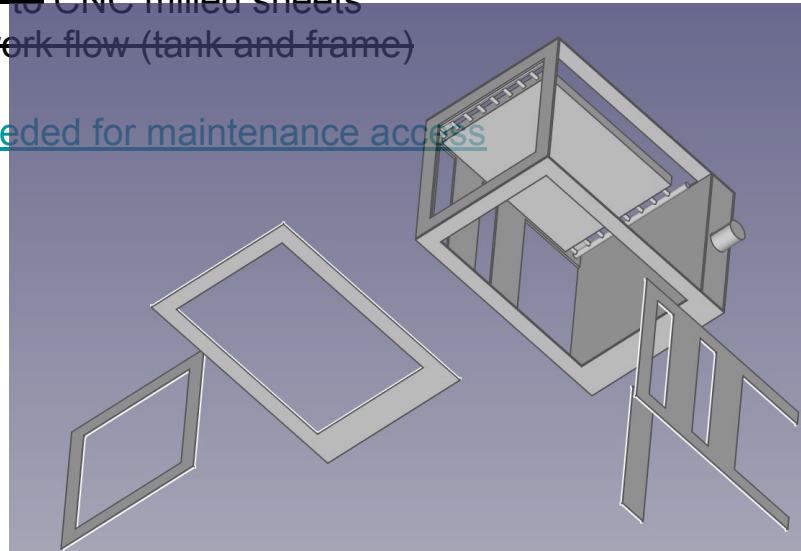


# Power Cube Design Rationale for Modularity

## Table of Contents

- Define Modularity for Large Cubes feeding smaller cubes
  - References to Power Cube VBOM's for hydraulic flow diagrams and connections
  - References to Electrical wiring diagrams
  - Differences in usage and connectivity based on motor size (torque, flow, pressure)
    - Primary Cubes
      -
    - Auxiliary Cubes
      -
- Define ideal frame materials for easy modular parallel construction and assembly for serviceability
  - ~~Use of metal strip stock cut on ironworker as opposed to CNC milled sheets~~
  - ~~Assembly of sub parts of frame in parallel for easier work flow (tank and frame)~~
  -
- Determine methods of easy modular disassembly where needed for maintenance access
  - Oil
  - Air filter
  - General order of assembly
    - Build order
    - Disassembly required for frequent maintenance
- 



Modularity for Large Cubes feeding smaller cubes

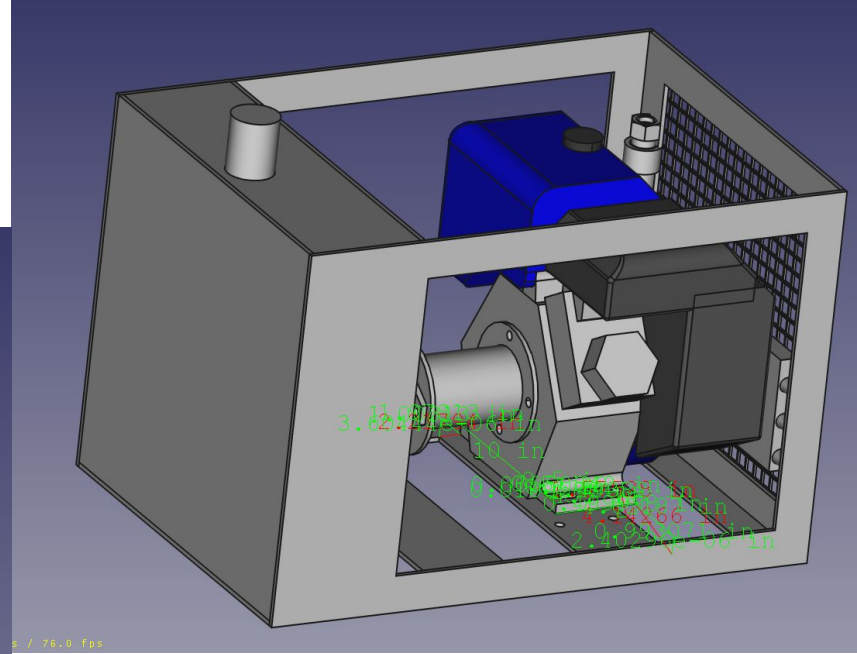
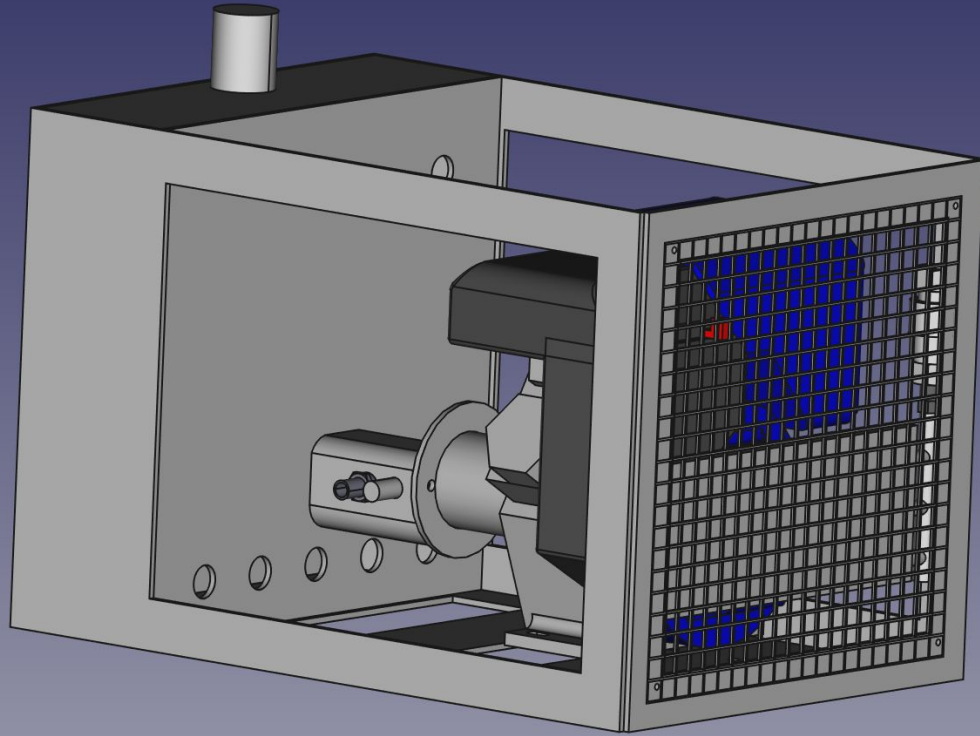
## References to Power Cube VBOM's for hydraulic flow diagrams and connections

- 
- [Power Cube v17.10 Concept slides](#)
- [Power Cube v17.10 - MicroTrac BOM sheet](#)
- [Power Cube v17.10 BOM sheet](#)
-

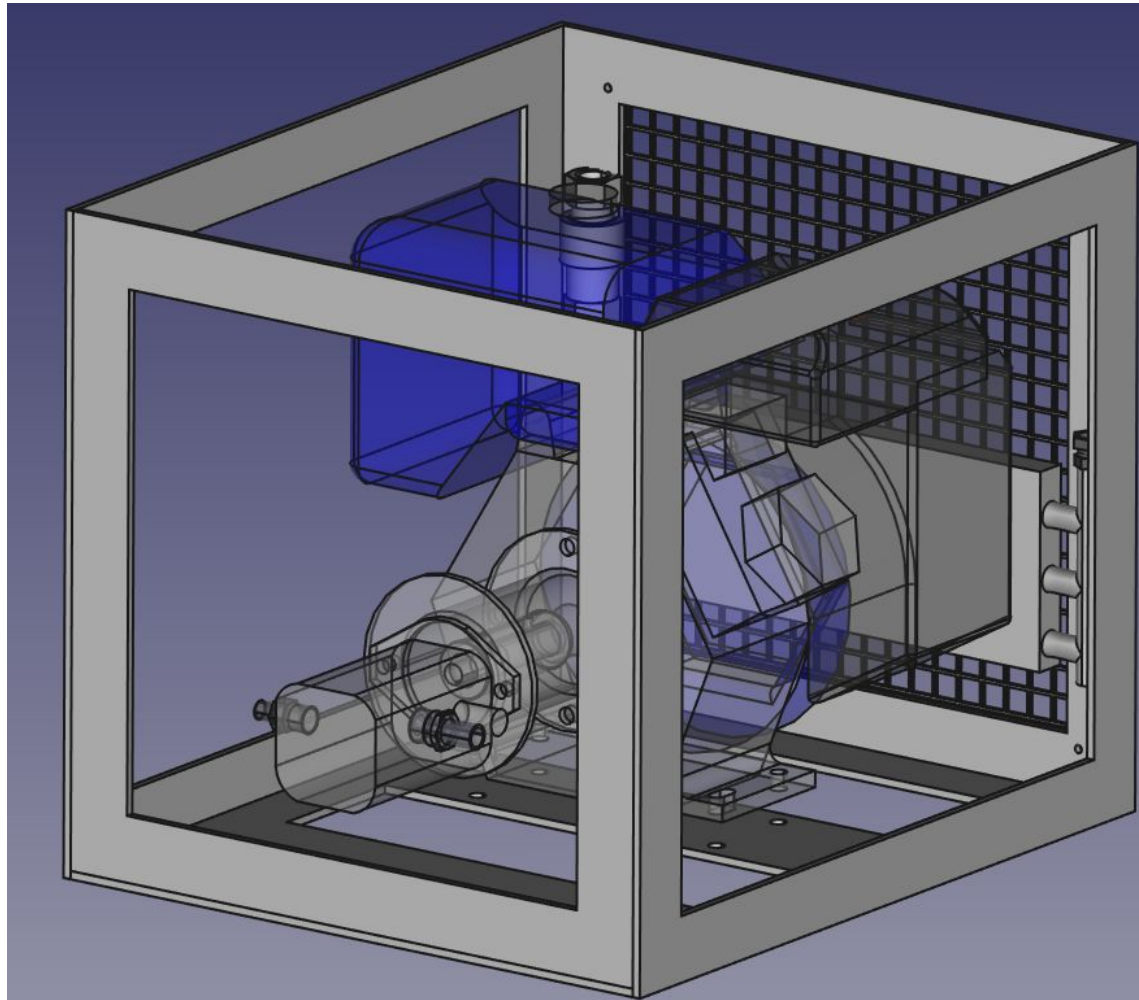
## References to Electrical wiring diagrams

Differences in usage and connectivity

# Primary Cubes



# Auxiliary Cubes



## Secondary Cubes



Define ideal frame materials for easy modular parallel construction and assembly for serviceability

Determine methods of easy modular disassembly where needed for maintenance access