

Blue Origin SCOPE TEAM

New Glenn Avionics Assembly Tooling



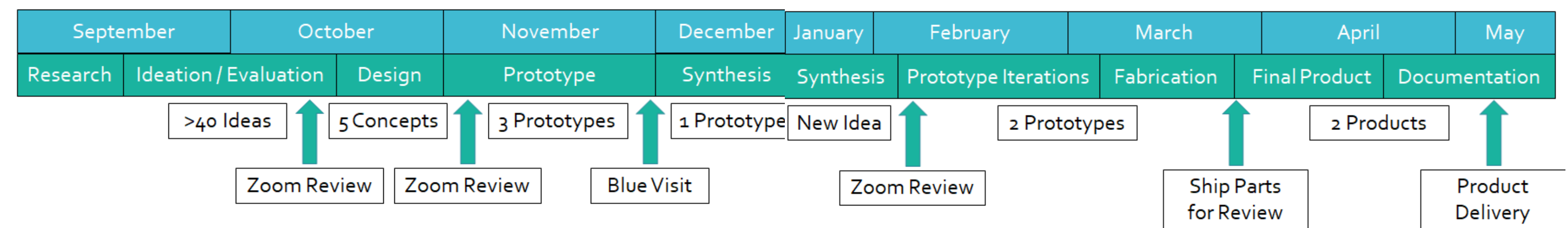
About Blue Origin

Blue Origin is developing technologies that will enable humans to live and work in space. Blue is committed to building a road to space so our children can build the future.

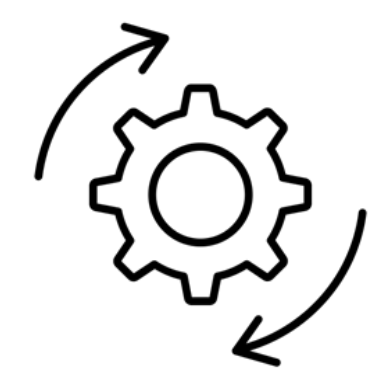
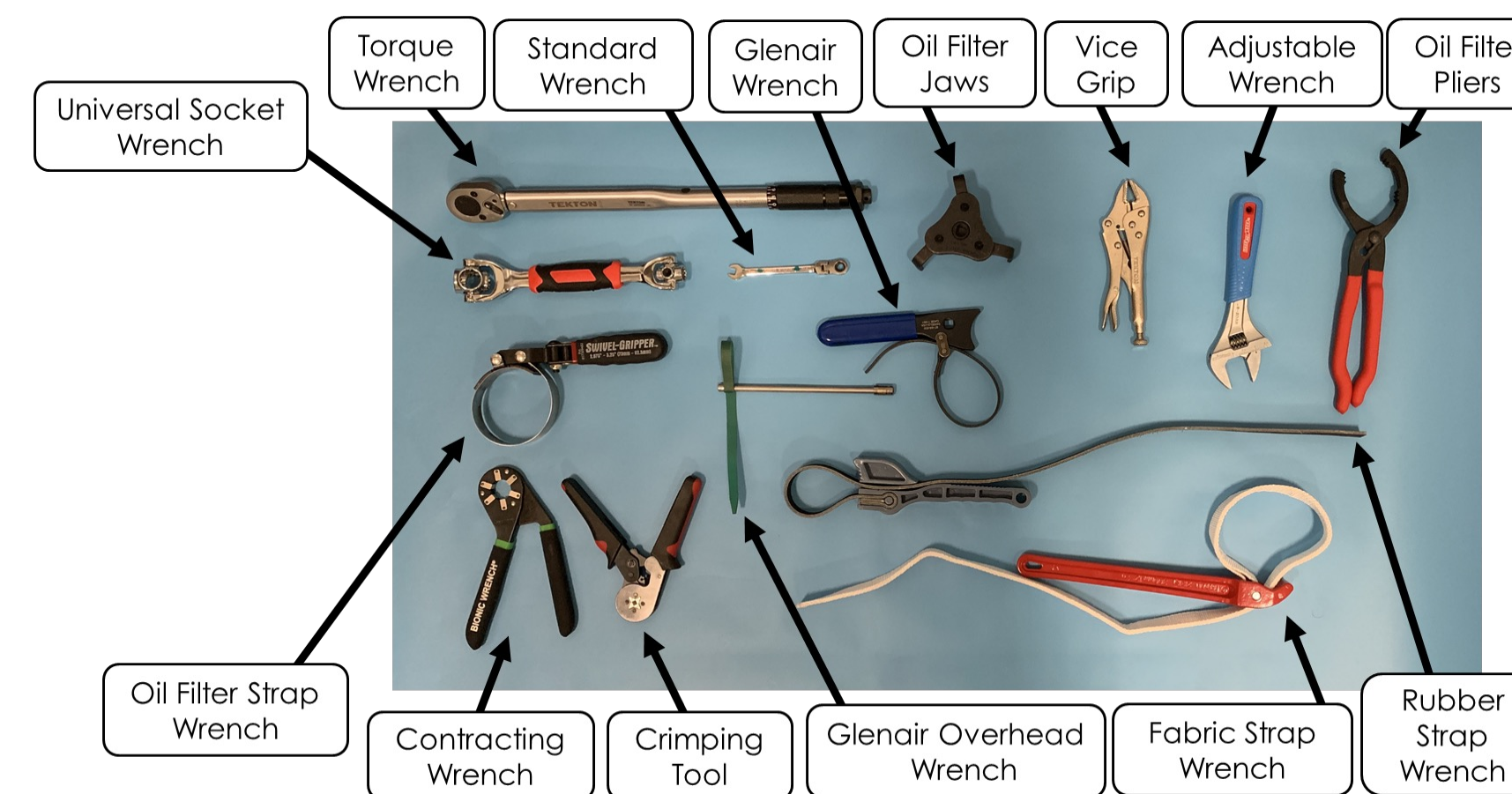


Our Process

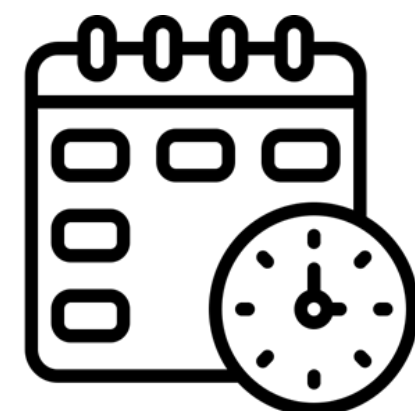
Our team implemented an iterative design process to define the problem and work through multiple solutions. We utilized techniques such as sketching, CAD, prototyping and design for manufacturing (DFM) to bring our ideas from concepts to real working tools. Our iteration process resulted in us delivering both a primary and secondary tool to Blue.



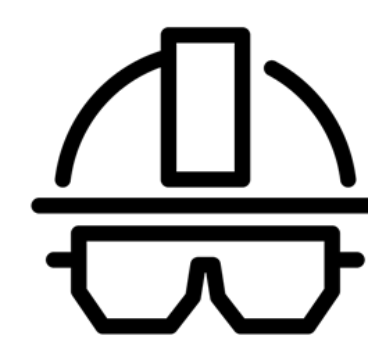
The Problem



Assembly with current tools takes a long time



Reusable systems need to have rapid turnaround



The assembly process need to be reliable

The Team

Students:

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Faculty Advisor:

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