

Customer Interview

Modular Ultralight eV Prototyping

Rough Interview Schedule/ "Path" (duration and basic activities/question areas):

1. (3 minutes): Introduction
2. (8 minutes): Exact model details
3. (5 minutes): Existing facilities
4. (8 minutes): Waste, Technics and extra questions

Specific Questions (order can be adjusted to maintain 'natural' conversation flow):

1. Hello my name is Sina. We are master's students at the University of Ottawa. I am majoring in Electronics however rest of us are in Mechanical which helps us to collaborate easily. Is it possible to ask you a couple of questions about the project regarding EV parts?
2. Could you please elaborate on your team and their work?
3. What are the challenges that your team are facing and what do you exactly looking to resolve (this project)?
4. What manufacturing methods are you using currently for the joints of the EV model?
5. Could you share reasons behind previous failures? (If have any)
6. What kind of joint is used? Could you please elaborate on the exact shape?
7. Specification of the joint (body)?
8. What is the material of the joint? How much is possible to change the joint material?
9. Any other component will be mounted on the joint?
10. What are the existing tools and techniques?
11. Any limitation of existing tools and techniques in the Lab?
12. How much aluminum and other primary materials are available in Makerspace for prototyping?
13. Could you give us information about the scope of using 3D metal printers for the joints?
14. How can we access to a microwave kiln or any other machinery for melting aluminum?
15. What and how much waste currently have?
16. Do you have any question for us? Any Suggestions for us?