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**INDIVIDUAL ASSESSMENT**

**In today’s lecture we went over the process of an LCA. Thinking about your own project, define the Goals and Scope and a ‘functional unit’ you would use in writing an LCA.**

Firstly, LCA stands for Life cycle assessment which is a method to assess the impacts on the environment through the creation a project/product. An example of this is making a phone. During this process, there is the need to create material such as the metal frame, glass and the disposability of the phone itself. This assessment helps analyze and critique the product itself.

The goal of our project is to design a model which is strong enough to protect against external forces being applied against it. In this case, a car hitting the side and a weight force pushing down on the building. The audience we are aiming at is direct towards our clients needs and wants for the design. The scope itself involves the geographical system and where we are going to store the building itself before undergoing tests. The functional unit is the service that the product will provide. In terms of our project model, the functional unit is a durable and sustainable model which can stand for 1 week in the weather. Moreover, the functional unit is that it will provide a safe enclosure protecting inhabits inside whilst being able to stand upright even after taking external forces (hits).

**GROUP ASSESSMENT**

**As a group, look up the definition for upstream and downstream effects in terms of LCA. Write down at least 5 materials you would use in the building of your project, list the environmental impacts and any waste/recycling opportunities.**

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