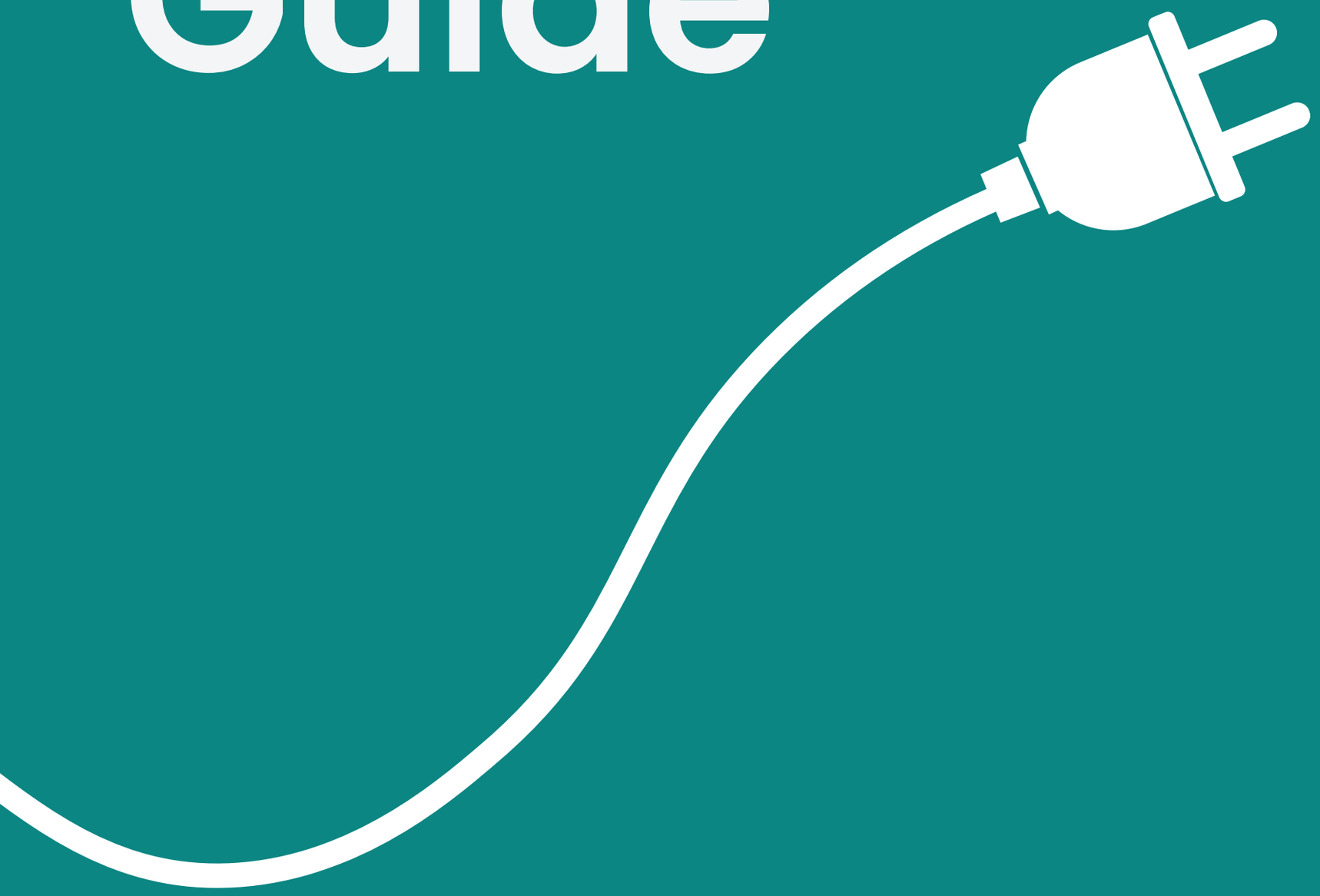
Design Guide



This is the method that prioritises Design for Disassembly (DfD) for Electronic products. Using DfD as the foundation of the product can promote future recirculation of materials.

Step 1
Set the Layout

Step 2
Frame the Archetype

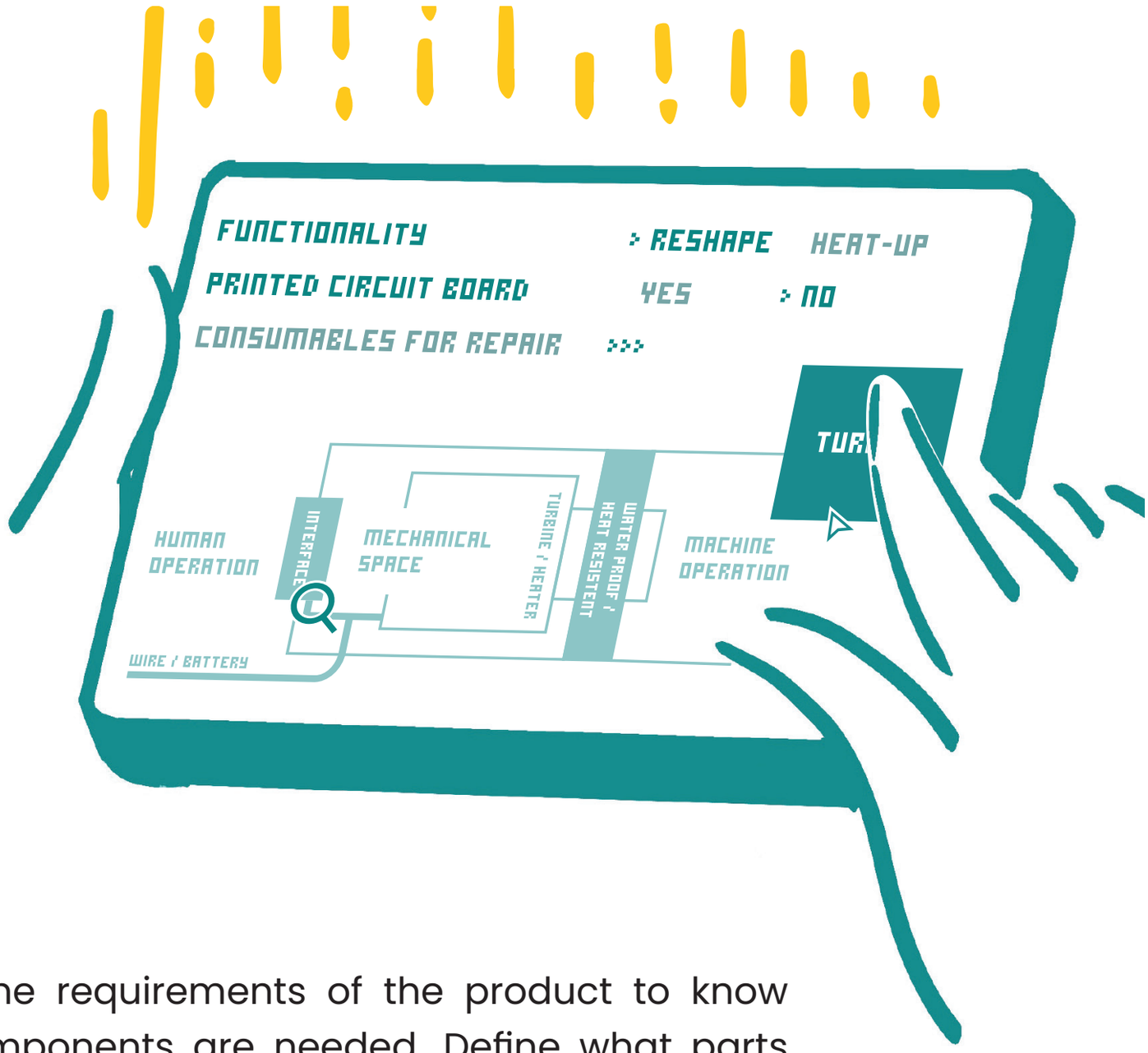
Step 3
Give the From

Step 4
Design the Connection

Step 5
Review the Guidelines

Step 1

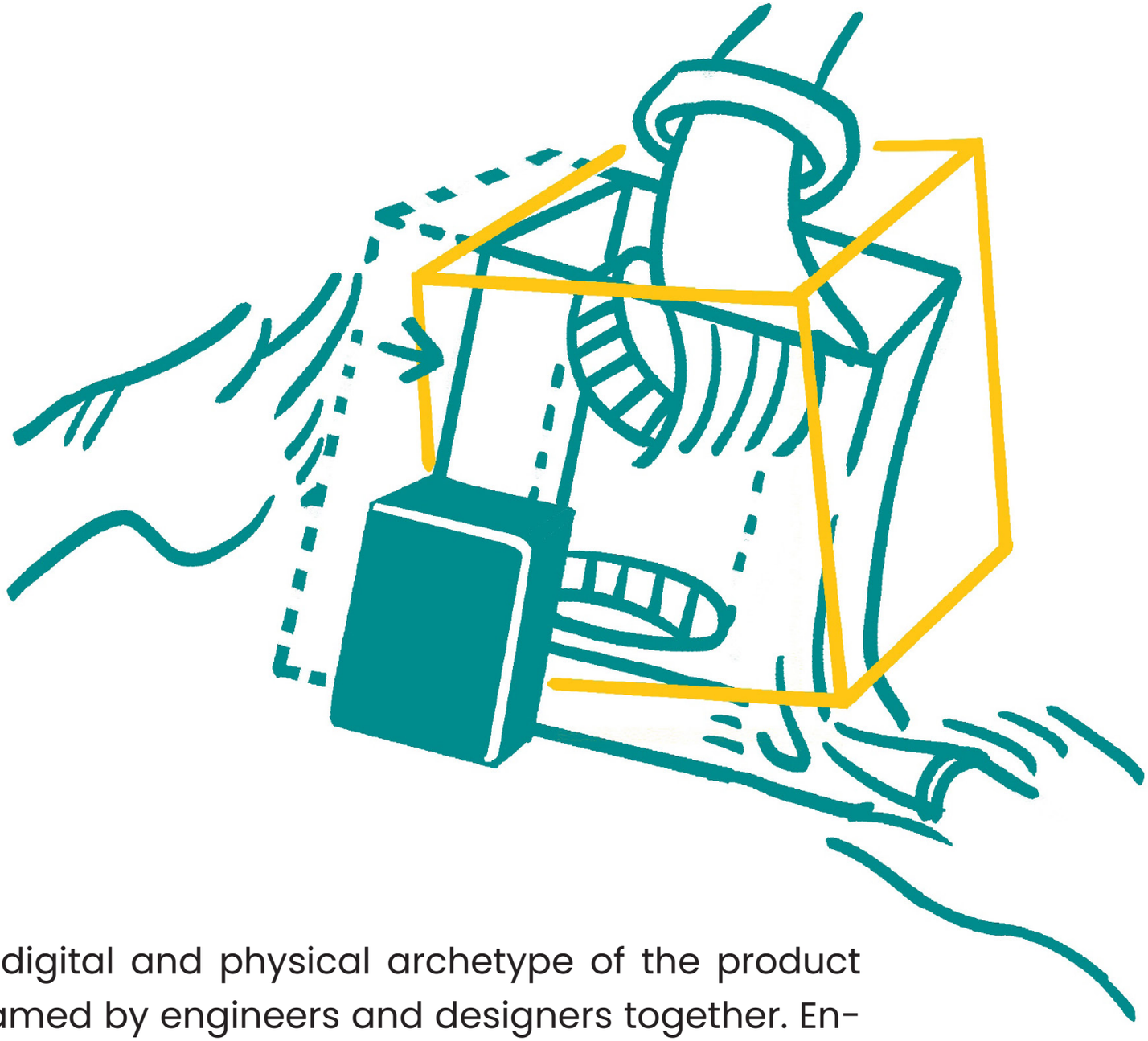
Set the Layout



Decide the requirements of the product to know what components are needed. Define what parts are consumable and that these parts should be designed for easy maintenance in the next step.

Step 2

Frame the Archetype



The digital and physical archetype of the product is framed by engineers and designers together. Ensure that space and access is allowed to operate partial (Repair) or complete disassembly (Recycle).

Step 3

Give the Form

Form giving is based on the archetype that allows disassembly. Detaching the outer shell in order to design the intermediate connections.

Step 4

Design the Connection

The design of form-giving and connections will be an iterative process in which guidelines are checked to be achieved.

Step 5

Review the Guidelines

Less of these -

1 Reduce the type of materials

2 Reduce the amount of components

3 Avoid adhesives and soldering

More of these +

5 Allow full separation of shell and components

6 Use replaceble wire plug / section on PCB

7 Lable the type of materials for recycling

8 Ensure the ease of disassembly with available tools

Watch it online