

Grading

This 1D worksheet 2 is worth a total of 3% of the total marks allocated for DES. The 1D project is worth a total of 20% of the total marks allocated for DES.

1) Describe the parts in the chosen device

List the main components in this device	Functional Description - What is the function for this component

2) Sketch the schematic showing the working principle of the chosen device

3) In around 100 words, identify energy related issues surrounding your team's chosen device.

4) Ideate as many solutions as possible to solve the issue/s

Issue	Solution

10.023 Designing Energy System (DES)
1D Worksheet 2 (2022)

Group: _____
Due Date: End of Week 8 Cohort 2

5) Select the top three solution and complete the Pugh chart below

Description		Modification 1	Modification 2	Device 3
Sketch				
Criteria	Weight			
Sum of “+”				
Sum of “0”				
Sum of “-”				
Net				

6) Using the testing plan template below, draft out a testing-plan for your device

Proposed Modification	
Features to Test (and why)	
Testing Timeline	