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Group Assignment

**CEE1IEE Final Report Assessment Sheet**

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| **Group Name/Student Names: Group 3.** Ellena Honeyborne ,Maciej Gorski, Iustin Irimescu, Jonathan Chin, dhruv data, Dami Shoroye  **Supervisor:** |

The following sections are included for your guidance and to help you rank the groups.

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| **Group Writing Skills [0 – 10 marks, to 0.5 mark accuracy]:**  Structure and fitness for purpose.  Clear introduction, easy to read and general flow.  Edited to remove repetitions; adequate coverage of important areas.  Thoroughly checked before submission. | 7 |

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| **Technical and Analytic Content [0 – 20 marks, to 0.5 mark accuracy]:**  Analytic understanding of the problem.  Performance modelling. Technical progress.  Demonstration of working/completed sections. | 16 |

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| **Conclusions, clarity of client recommendations [0 – 10 marks, to 0.5 mark accuracy]:**  How useful is the report to the client  Correctness of the conclusions and implementation plan | 6 |

Total mark allocated [out of 40]: 29

**Please include comments to justify your decision on this page or overleaf.**

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| A well presented and well researched report. Good detailed energy calculations included in the main text which I liked. Be careful with your use of units. You occasionally quote energy values for either generation or consumption without an accompanying time period. 54,000kWh is meaningless unless you tell me how long that energy takes to produce! Your quoted figure of 1000 people per day is hugely optimistic especially for a small town. Regarding wind power, is this a good solution for an urban gym to put turbines on the roof? Did you consider availability of bio-diesel and delivery costs? A good solution for heating the swimming pool but also solar heating is also efficient and a comparison would have been interesting. I liked the comparison of storage methods. Your final choice of lithium batteries is probably sensible. Your section on sustainability and energy conservation was interesting but it wasn’t clear how this was built into your costing. How much does it save? Despite your over-optimistic usage figures, a payback time of 6 years is about right. Overall a nice piece of work although I was a bit disappointed that you didn’t set out your formal recommendations for your client including several options. |

Assessor: Dr Mike Spann. Date: 10/4/15