Weekly control

Week: 3

**Pre evaluation**

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| 1. [Y] Energy required estimation. 2. [Y] Come up with the technology required for the power estimation. 3. [Y] Individual working branch for each member in github. 4. [Y] Time sheet. 5. [Y] Task Sheet. 6. [Y] Create basic structure of the project template. 7. [Y] Licensing & planning permission for project. 8. [Y] Supporting Policy Framework. 9. [Y] Renewable Energy Option: Solar, wind, tidal 10. [Y] Back-up Power & Energy Storage System. 11. [Y] Simple payback (financial analysis of options) |

Work hours distributed

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| Role | Member | Hours |
| Project Manager | Damian Ohienmhe | 3 |
| Project Planner | Gabriel Galeote Checa | 3 |
| Quality Manager | Mingyan Zhong | 3 |
| Project Accountant | Qianying Zhao | 3 |
| Engineering manager | Duo Wang | 3 |
| Health & Safety Manager | Rafay Bin Fawad Janjua | 3 |
| Construction Manager | Rajat Mankar | 3 |
| Environmental Manager | Xueqi Yan | 3 |

**Next week milestones**

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| 1. Develop quality plan detailing standards for project implementation. Include planning permissions & licenses too. 2. Develop simulation model for HOMER energy analytical tool. 3. Develop questionnaire to give the local council during visit. Must include project methodology to gauge project acceptability. 4. Other teammates begin developing their own sections for the interim/feasibility report. |

Summary of the session

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| In this meeting, we were discussing some issues about the bibliographic research. The meeting is summarized below.  **Quality Manager:** Presentation of all the key factor that we have to take into account:   * The Wind Power is the most efficient energy supply.   **Construction Manager:** Project phases   * Once we have the number of turbines, he can start the construction plan.     **Environmental Manager:**   * Among all the energy supplies, the wind energy is the safest and more reliable. However, we need to storage energy, so we will use a physical storage.   **Engineering Manager:**   * Need to know how much power is going to be produced and then all the materials will be calculated.   **Project Manager:**   * Task distribution for everyone. * Tidal energy is discarded according to the official map of tides. In the island if Great Cumbrae the tidal energy or amount of tidal movement is not enough for producing the neccesary amount of energy for our system.   **Health and Safety Manager:**   * Use of the Software HOMER, but we need: electricity load and energy used, as well as number of clouds, sunny days, and other peculiarities.   **Project Accountant**   * Cost of wind power. * Construction time. * Cost of the equipment -> 20 y. * Maintenance. * Cost, interest rate very high. * Wind Power: More feasible, 2.5- 2.8 million pounds for 3 turbines.   **Project Planner:**   * Preparation of Project Gantt Chartt * Homer software download and preparation * Time Schedule * Organisation of meetings.   Next meeting: THURSDAY 31/01 AT 5-7 p.m. AT THE LIBRARY |