**Heriot-Watt University**

**School of Engineering and Physical Sciences**

**B49CB Business Awareness, Safety and Sustainability**

**Group Project**

**Minutes of Meeting 3 of Group Meeting – 02/10/2020**

**Present: Ross Brown, Callum Jardine, Andrew Leahy, Cameron Maxwell, Chi Tse**

**Apologies:**

**Not Present: Seun Ojuoko**

Minutes taken by: Ross Brown

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| **No.** | **ITEM** | **ACTION** |
|  | **Cameron**:  Humidity and Air, 80% humidity and condense it into clean and renewable water. Cheap ways to make it.  Omni Processing. Turn faeces into water.  Recycling burn plastic and turn into bricks. Making surf boards or fishing nets.  Wave power. Can be cheap |  |
|  | **Chi**:  Make the energy more reliable and affordable. Solar panels would be good as the climate is ideal. Solar window with solar cell technology. Each house has a mini PowerStation to power the homes.  Tidal power – suitable for the area. 99% of the tidal energy.  Human power. Like the torches and bikes to power stuff. E-bike the stores power instead of using it. |  |
|  | **Callum**:  Toilet with the solar panel. Reuse the faeces (same as Cameron)  Transport link between the cities. |  |
|  | **Andrew**:  Portable desalination infrastructure to get water to farms and toilets etc. A tank outside houses and use them. |  |
|  | **Ross**:  A bio farm that protects crops and can enhance them to have a better yield. Trying to avoid GM crops as the local tourism would rather have locally sourced foods. Leads to the reopening of the market and encourages trade and can supply local restaurants. Encourages women and children to gain new skills instead of being stuck at home. |  |
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|  | **Current Meeting:**  **Time: 13:00**  **Place: Online**  **Chair: Cameron Maxwell**  **Minute Taker: Ross Brown** |  |
|  | **Date of Next Meeting: 05/10/2020**  **Time: 13:00**  **Chair: Cameron Maxwell**  **Minute Taker: Callum Jardine** |  |

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| **Overview of Ideas**  **(X/10)** | **Cost** | **Ease of Build** | **Sustainability** | **Practicality** | **Safety** | **Effectiveness** | **Total** |
| **Omni Processor - Cam** | **1** | **2** | **8** | **4** | **6** | **10** | **31** |
| **Transport link - Call** | **2** | **2** | **7** | **5** | **9** | **8** | **33** |
| **Farm - Ross** | **1** | **5** | **8** | **8** | **9** | **9** | **40** |
| **Plastic to surfboards/bricks - Sean** | **5** | **7** | **6** | **7** | **6** | **7** | **38** |
| **Desalination -Andrew** | **1** | **5** | **7** | **5** | **8** | **8** | **34** |
| **Human Power (bikes) - Chi** | **7** | **8** | **7** | **4** | **7** | **3** | **36** |
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