WEEKLY STATUS REPORT

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| Name: | Julian Florez |
| Week Ending Date: | June 16nd 2022 |
| Self-Assessment: | ~~Green~~, Yellow, ~~Red~~ |

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| ACTIVITIES COMPLETED THIS WEEK |
| The following activities were completed this week:   * The main work was focused on developing a fleet optimization following structure below      * Work started was more complicated than originally expected and currently debugging/making sure the model is performing realistically * The current formulation can be found here: [KAUST/downstreamGreenAmmonia.pdf at main · julflore000/KAUST · GitHub](https://github.com/julflore000/KAUST/blob/main/transportationOptModel/formulation/downstreamGreenAmmonia.pdf) * The current model (still in development) here: [KAUST/model.py at main · julflore000/KAUST · GitHub](https://github.com/julflore000/KAUST/blob/main/transportationOptModel/src/model.py) |
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| ACTIVITIES IN PROCESS | NEXT ACTIONS | DUE DATE |
| 1. **Validating fleet optimization model** 2. **Restructuring formulation for simplicity** | * **Finish validation** * **Collect real world data for model testing** * **Construct initial scenarios for demand consumption** * **Create slides explaining model inputs and outputs for both ammonia production and distribution models** |  |

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| ACTIVITIES TO BE STARTED NEXT WEEK |
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| LONG TERM PROJECTS |
| * Analyzing optimal economic analysis of green ammonia from production, distribution, and consumption * Increasing useability of model for non-developer use. |

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| ISSUES FOR IMMEDIATE ATTENTION |
| * N/A |

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| KEY TEAM INTER DEPENDENCIES |
| * N/A |