

08/07 WK3 Client Meeting

This meeting is a very brief one after our Friday tutorial.

Location	ANU Engineering Building
Date	2019/08/07
Time	4:00-4:55
Attendees	Derek Tan, Lily Zhang, Jessica Ying, Andre Olivier Martin Amidy (client)

Meeting with Martin

- Martin will read through the ConOp and provide us with feedback
- The ConOps will be emailed to both Martin and Jiefei,
- Martin will check with the client again regards to the specifications of the final product
- Martin need to talk to Ankur about how much support he can provide

General Design Process

- Concept
- CAD
- Prototype(s)
- Final

Suggestions on our project

- We can assume that the bugs are put in fresh
- The breaker may not be necessary. A roller should be sufficient.
- Instead of the horizontal mixer, a horizontal mixer might be better. So the material does not get stuck easily.
- As for the dirt on the bugs. Olympia: we wash the bugs before using it
- Martin recon it is fair enough to assume the maggots are clean
- We might be able to split the components into two containers (more volume to make it physically possible) and combine them on site.
- Thermo barrier
- A modular approach, divide into sections, insulate processes
- Get in contact with Southen Meats (Goulburn NSW 2580) to see their actual rendering plant (they have their own vertical system, from processing to rendering)

- Keith Engineering in Sydney who is building rendering plant, may not wanna give us the specs cus IP protected.
- Andre did a costing analysis base on the prices from Alibaba
- We can work out what the conventional cost is. Then work out a conversion factor. Eg, the portable rendering plant might cost ¼ beause ... (justify it)
- A: One way to prevent pressure build-up is to have sensors.
- M: find the cost of the sensors
- Safety and legal perspective, are you allowed to remotely control the plant. But it is still good so someone does not need to sit next to the plant for 5 hours
- How to transfer the product in? conveyor belt or dump it in manually
- Can connect two containers together and make sure the connection is secure
- Braker may not necessary to be integrated
- Cooking and separation container
- Idiot proof, easy to attach, safe to use. Because people make a lot of mistakes compare to machine
- Keep the focus on the 40ft container. Better if can fit 20ft,
- Martin is happy to catch up tomorrow (7th Aug)

Send Jiefei another email

4-5 pm Thu meet Jiefei

9-10:30 am Fri morning Martin is free