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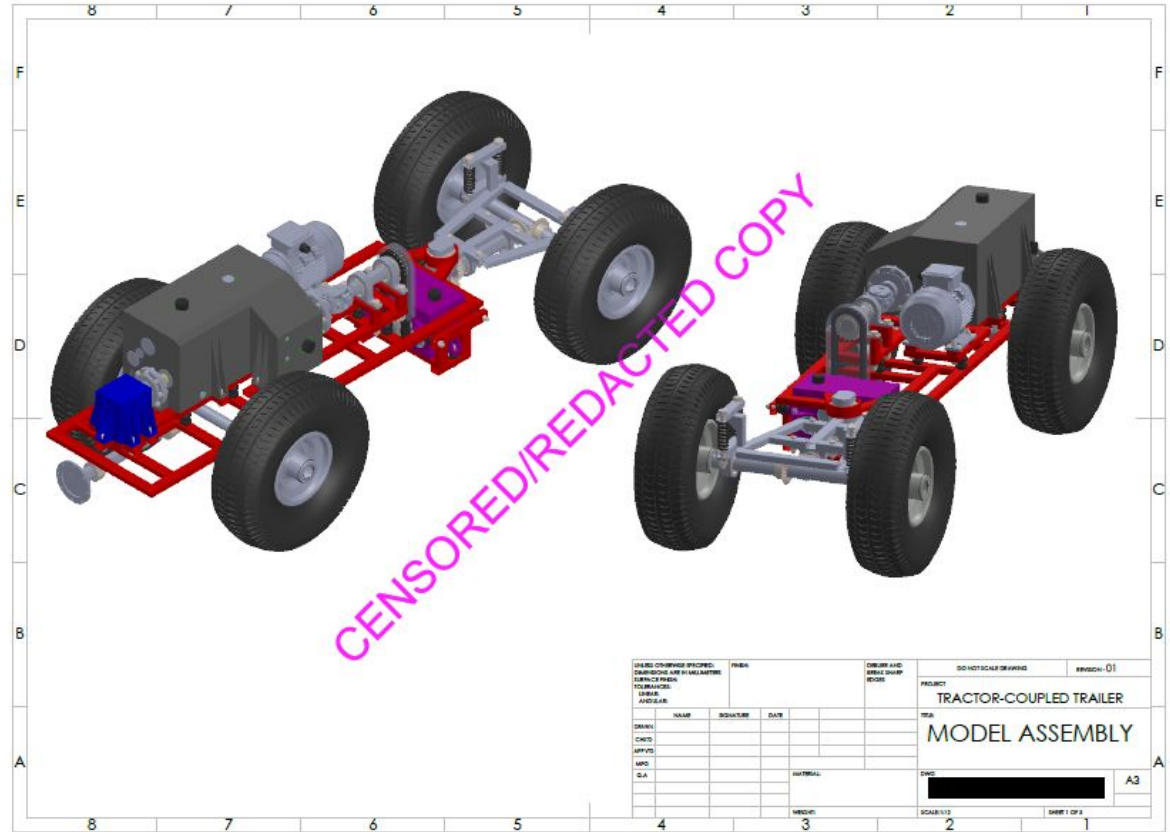
Portfolio samples

Tractor-Coupled Trailer

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This is an unconventional tandem vehicle designed to transmit & convert mechanical power from the vehicle's wheel to systems onboard.

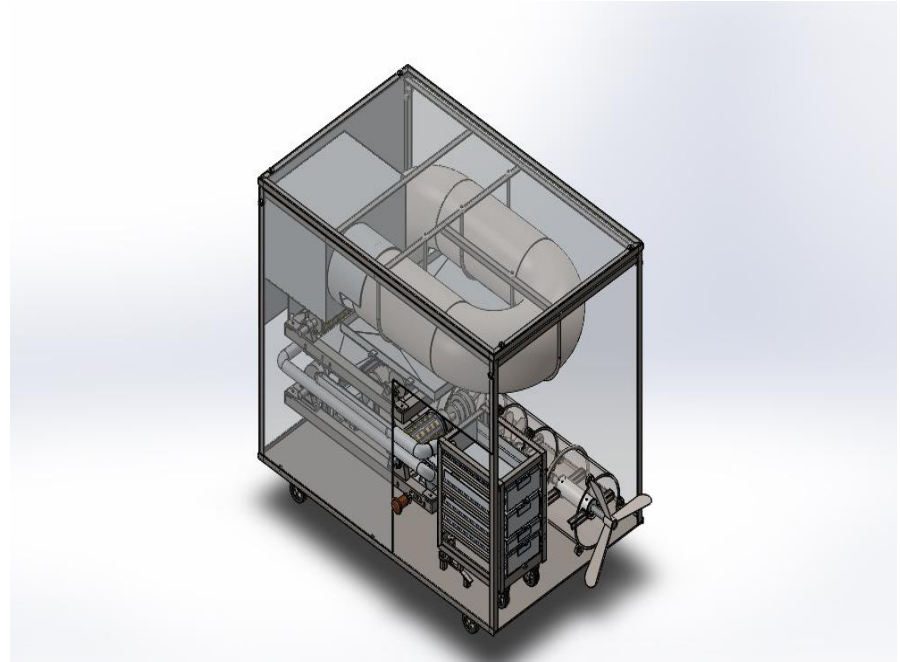
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Drainage Multifunction Clearing Machine

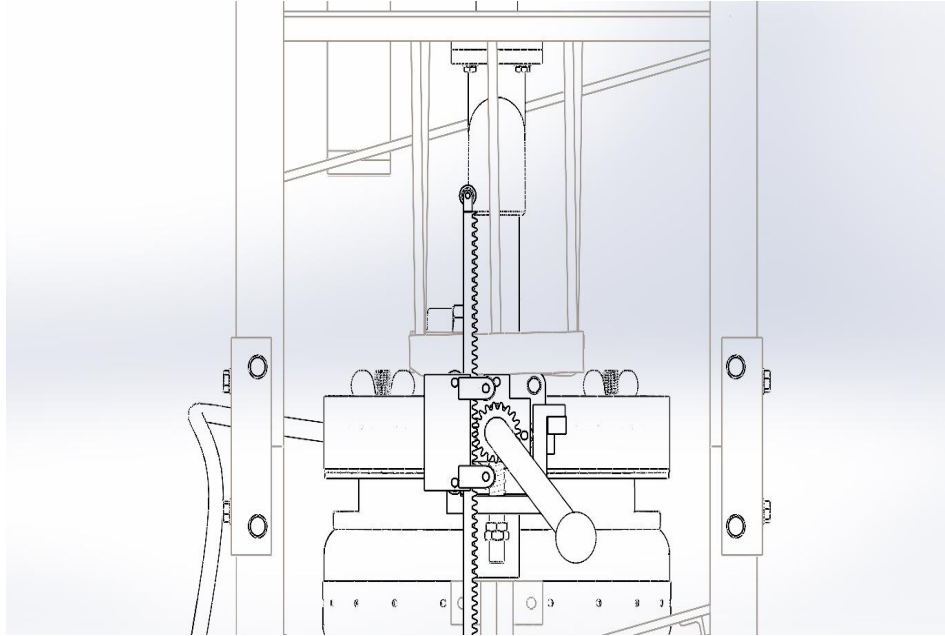
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It is a machine intended to be used to not only **clear** drainages but also **separate** the cleared aggregate. One of its major advantages is that the onboard separator tanks (for collecting different constituents) are scalable for use for outboardly. This implies that the components of the separation process can be collected in a different location.



Automatic 2-Way Power, Dual Operated Barbecue Machine

It is a barbecue machine (with a capacity of 15kg) capable of roasting produce (meat/fish) without human interaction.



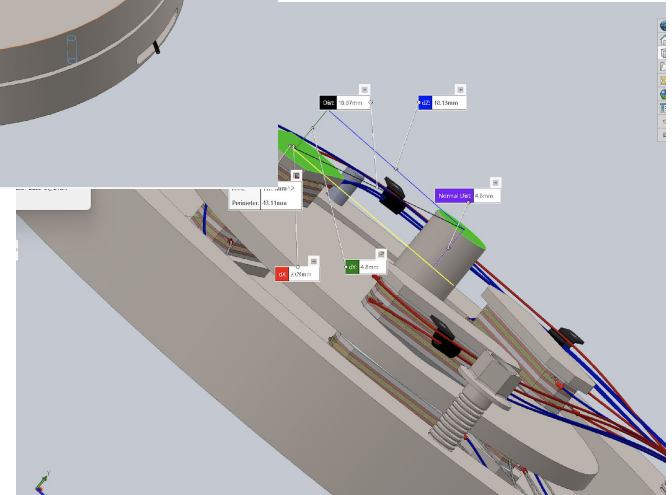
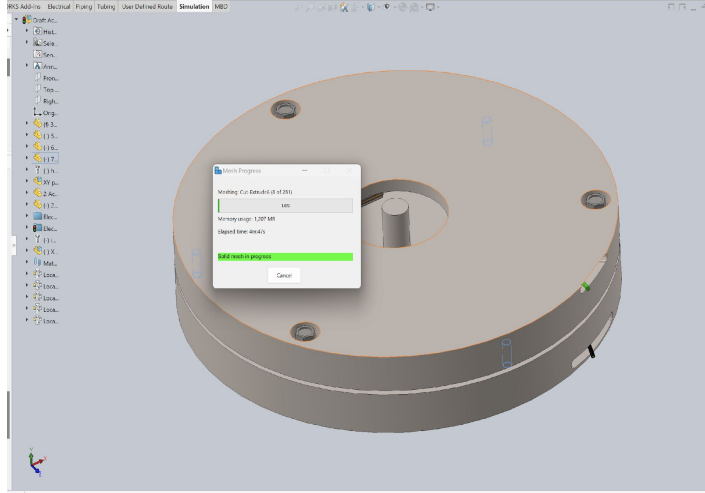
Its advantages are:

- Accommodates produce of different sizes.
- Saves time (since the produce don't have to be pierced with sticks).
- Can be used in remote areas (without access to electricity).
- Ensures even cooking of produce (since the produce is not only rotated above the heat source but also turned over at regular intervals). This improves the quality of the roasted produce.

PS: The project is being protected, therefore, much details cannot be disclosed herein.

Drainage Multifunction Clearing Machine

Project Goal: Design and Control of Modular Micro-Robots Leveraging Piezoshear Actuators for Precise Motion in the X, Y, and Theta Directions.



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