

1. What is the product?

The product is a healthcare delivery robot.

2. What problem does it solve?

Due to Covid-19 pandemic, the healthcare system of most countries experiences with tremendous pressure. The overstretched healthcare system left health workers in hard hit countries struggling with long working hours and extreme psychological stress and increasing infected patients had caused insufficient workers. Hence, this product can help to reduce the workload of the health workers and reduce physical contact to minimize the risk of infection.

3. What are the capabilities of the product?

This product is capable of automated healthcare delivery services such as medicines delivery, point of care tests and delivery of non-invasive samples (such as stool test, urine samples and etc with innovative hygiene and protective compartment and etc) to provide more time for patient care. Besides, it also helps to deliver medical reports and has a built-in camera for communication function between the doctor and patients where the physical contact between them can be avoided. It also equipped with sterilization function.

4. What is unique about the product?

The design of Medroid is based on modular design where it comes separate components for each function. The user can select parts that perform function that suits their needs.

Besides, it has shape shifting function so that it is space efficient and able to move around in different situation when there is any blockage.

5. Why would customers buy this product over others on the market?

With modular design, the cost can be cut down by only select parts with necessary functions to avoid any wastage. Besides, the maintenance and repair fee are lower as only broken parts of hardware broken is required to change or upgrade instead of replacing the whole robot. Moreover, Medroid is able to detect the walkway situation and changes its shape accordingly to prevent blockage.

6. Who are your target consumers for the product?

Hospital, Laboratory, Pharmacy, Food Service

7. What is the new product called? Is this name appropriate and available?

Medroid (Medical Droid/Robot). This name is appropriate and available.