

Lockington, Elliott (SPAC/PSPC)

From: Upton-Roy, Heather (Anand, Anita - MP) <heather.upton-roy.472@parl.gc.ca>
Sent: March 24, 2020 12:00 PM
To: Parmar, Dovejot (SPAC/PSPC)
Subject: FW: N95 Mask and Protective Gear Sanitizer for Reuse Device

Have sent this constituent the link. He has just asked for a 2nd time for feedback

From: Kevin Kowalchuk <kevinfusion4@gmail.com>
Sent: March 22, 2020 5:46 PM
To: Upton-Roy, Heather (Anand, Anita - MP) <heather.upton-roy.472@parl.gc.ca>; Kevin Kowalchuk <kevinfusion4@gmail.com>; Dave D [REDACTED]
Subject: N95 Mask and Protective Gear Sanitizer for Reuse Device

Hi Heather:

We have a prototype device that will be ready for review by the end of next week. Currently we are waiting for some ordered parts to arrive. I can have photos and CAD drawings package for you review by the end of next week. The product is basically a vertical stainless steel rack on wheels. It has 9 individual stainless tubs that are independent controlled as needed. Each tub can sanitize 6 masks or face mask in around 15 minutes* or less. The total rack can sanitize up to 54 masks in a 15 minute period.

The challenge was to build this with off the shelf components with very little if any custom requirements to get to market ASAP. . Honestly it's nothing fancy, but its well designed and will function well in the hospital and commercial environment. Simple is better in this case.

It also has the ability to be broken down in a smaller profile. You could for example take one fully self supporting tub section and have that for use in a doctors office or lab. It can be placed on a desk or shelf with in the office not taking up much space. Again each tub can hold 6 masks.

We are working on another version as well to sanitize full gowns and protective clothing. However the full focus now is on the mask version.

At the moment we are looking for:

1. *Qualification lab test. We need to know how much time is required to get the surface viral count to zero. We expect that the time required will be somewhere in the 15 minute or less time frame.
2. We need some financial support to acquire the first production run materials.
3. We have a facility to build the product and we have a skilled team standing by.

As an overview I have built many products. They include IMAX cameras for the space shuttle to US military life support systems and operating room lighting (MOVES and PAX Thornhill Research) .We specialize in projects that are hard to solve and get hired by large and small companies world wide. I myself have over 40 patents.

In the end our interest is to save lives and do what we can to help fight this pandemic. Let's get moving on this....

Regards:

Kevin Kowalchuk

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