

Dear global #PandemicHackers community:

First of all, we want to thank you again for your tremendous enthusiasm in downloading our Open Source #NanoHack design, which is already around 2.5M of downloads. This level of enthusiasm has collapsed our web servers (+500,000 visits **in parallel** at peak times) and we apologize if you have not been able to get fluid access to download the design.

We have been monitoring what is happening in the world with this **#HackThePandemic** movement and we are really impressed with all the global support! We knew that this was going to be an important contribution at the moment, what we didn't know was the incredible reception that this has had, in the last two days **we have received thousands of comments that unfortunately we cannot answer directly**, therefore we want to make some clarifications regarding many questions, queries and comments we have received these days:

CONTEXT, REGULATIONS AND CERTIFICATIONS

We are living in an absolutely exceptional context right now, this is not a walk in the park on a Sunday, nor is it "business as usual", this is a state of global catastrophe, **this is a WAR against SARS-Cov-2**. And it turns out that many things we take for granted in "times of peace" don't work the same in times of war. One of these things is the SPEED at which we must react and the STANDARDS that we must respect in these cases.

In Chile we know about catastrophes, we are experts in earthquakes (lucky us!) and as a nation we know that in these critical moments, COORDINATED ACTION is what can take us forward, saving as many lives as possible. In this context, international regulations change and remain in a "state of exception", regular standards often do NOT apply, and any aid is better than NOTHING. Many times, these aids are very smart and innovative solutions, which were developed in days (not years) and therefore they had NOT the time to go through long and complex regulatory processes.

Our antimicrobial materials have passed rigorous laboratory tests and industrial certifications, we developed them in PEACE times, but now we have NanoHack, a product that was developed in times of WAR, thought, designed, patented and released in 8 days. Therefore, **NanoHack is NOT a Medical Device that has undergone laboratory testing, with FDA, EU, ISO or no other regulations** (a months or years process!). What it claims to be is a WAR TIME DEVICE, with characteristics of being made of tested and certified antimicrobial/antiviral material, in a distributed manufacturing model, reusable, recyclable, customizable, low-cost and Open Source manufacturing. It is not intended to be more than that and less neither, and we hope that this design will be improved in the coming days (in fact it is already being modified by people around the world!).

For all the above, to the question of whether NanoHack is a product validated in Lab or certificated, the answer is NO, It does not pretend to be, it is simply an extra help for WAR times that, if it is manufactured and used WELL, it can be a VERY EFFECTIVE DEVICE.

ABOUT NANO HACK.

NanoHack, as you have already noticed, is the Open Source digital design of a structure that serves as a protective barrier against the outside, with unique characteristics such as being **made of an antimicrobial material (antiviral and antibacterial), it is reusable, washable, recyclable, thermoformable and customizable .**

What NanoHack is NOT, "a finished product ready to be used".

NanoHack comes out of a 3D printer in a flat format, which you must clean, post-process, sand, polish, heat-mold and SEAL in order to work properly.

This whole process takes no more than 10 minutes and you can get a fully functional NanoHack using simple and cheap items like adhesive covers, foams, polypropylene nonwoven fabrics, some glue, a heat gun and some hot water.

Therefore, we want to emphasize that NanoHack does not come out of a 3D printer ready to be used! It must go through this rapid transformation process (sanding, cleaning, thermoforming, sealing) to do its job.

Regarding the correct sealing of NanoHack, **in the next few hours we will release a complete tutorial so you can see how this mask can be set and well-sealed and what should be the correct use of the modular filter system!**

There is still a lot to share and comment on, and we appreciate the improvements you have made to the NanoHack! We are reviewing and evaluating them to upload them to our website in the coming days! This is still a work in progress and together we will be able to create a much better, more functional, safer device that can be accessed by everyone!

#HackThePandemic Team