

In January 2020, the world discovered the Covid-19  
 Since 5 weeks, confinement became comon to most countries...  
 But the resistance is organizing, we want to help. This is a true story.

We, engineers at Arts et Métiers, couldn't we procude a protection against Covid-19 and help medics in their daily fight ?



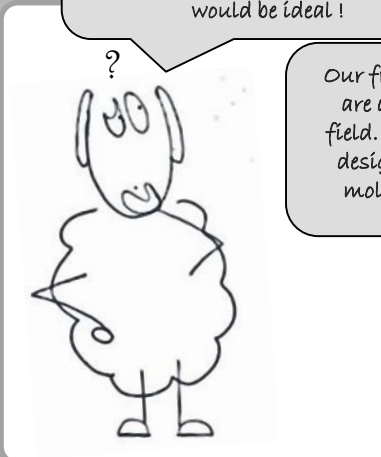
What about creating a face shield, light wheigh, reusable, easy to produce, clean and repair by their owner ?



The laboratory team at the PIMM from Arts et Métiers conceive a prototype in 3D, in agreement with the hospital charts. The result is a 27g face-shield that can hold without rubber-band, and a front glass that can easily be replaced



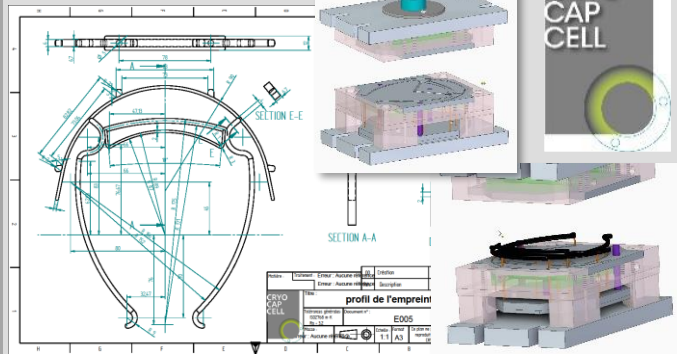
3D printing is a great technology for prototyping, but how could we produce a very large amount of face-shields ? Plastic injection would be ideal !



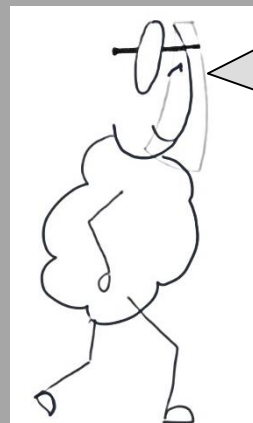
Our friends from CryoCapCell are actually experts in this field. Couldn't they help us in designing and producing a mold for this production ?!



CryoCapCell design a tool that integrated the PIMM's work and compatible with the lab's available technologies.



To produce this tool in a record timing, CryoCapCell call's up it's national network ! National industry is a key player in responsiveness



Since this morning, the first injected face-shields are produced at the Arts et Métiers. Soon, the hospitals will receive the first batches to help them protect against the virus !

Academics and industrials worked hand-in-hand for this project to become a reality in no-time. Thank you all !

