

joining forces across projects to have
one fully functional ventilation machine
freely reproducible worldwide

VersusVirus · project #139 · Meta-hackathon : less projects, more impact!
www.openvillage.ch · doi.org/10.5281/zenodo.3740537 · CC BY-SA 4.0



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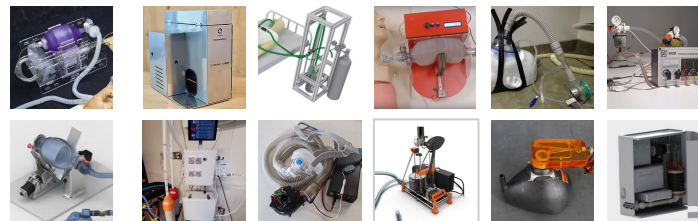
Collin Gallacher
Machine conceptor, Canada



Tiberius Brastaviceanu
Machine conceptor, Canada

880'000 ventilation machines

are needed to avoid deaths¹

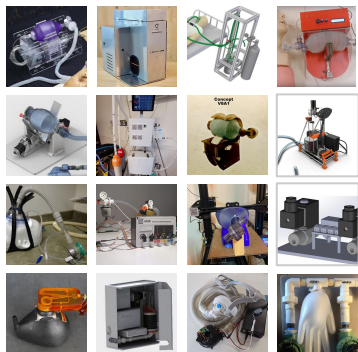


60+ versions of freely/reproducible ventilation machines

vital need of

- coordination of open networks and caregivers
- crowdsourced quality assessment
- knowledge for decentralized mass production





1

one modular ventilation machine

- ✓ easy to reproduce where needed
- ✓ validated and iteratively improved
- ✓ adaptable to locally available resources

Achieved:





- support requested to assemble a team able to produce 500 machines
- 60 machines listed + method for crowdsourcing – openvillage.ch
- collaboration to map projects across hackathons – civictechhub.org

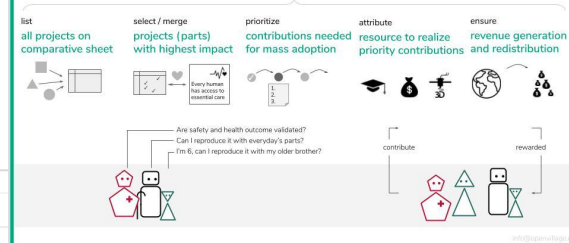
In the field

- providing expertise for producing open machines
- gathering open hardware opportunities / resources





Online

- easing 'open hardware' visual filtering / comparison on websites
- crowdsourcing **one fully functional ventilation machine** via openvillage.ch

Search the menus (Options+)							
A	B	C	D	E	F	G	H
1	Updated	Image	Name and link	Solution	Mass production	Version	Comparisons
6	01/04/2019		3M Ventilators	Model A is a low-functionality ventilator that can be deployed for patient transport, operating room settings, or bridge-to-therapy ventilation in		Prototype	Publity
7	01/04/2019		Acute-19	Ventilador bilíneal para Ventilación Controlada por Presión con: Presión Inspiratoria, Presión espiratoria, Frecuencia respiratoria, Relación		Prototype	Publity
8	31/03/2019		Acrobient	Emergency ventilation alternative system.		Prototype	Publity
	29/03/2019		Apolo@3M	Designing the Automated Bag		Prototype	Publity



Choose your country

 Australia 1 group	 Belgium 3 groups	 Belarus 1 group	 Canada 2 groups
 Colombia 1 group	 China 1 group	 Czech Republic 1 group	 Estonia 1 group
 Finland 1 group	 France 6 groups	 Germany 3 groups	 Hong Kong 1 group
 India 1 group	 Italy 1 group	 Latvia 1 group	 Lithuania 1 group
 Mexico 1 group	 Moldova 1 group	 Netherlands 2 groups	 Poland 2 groups