Emergency ventilation initiative coming out of Israel

Who is behind it?
Lead by the CTO & innovation leader of the Israeli Air-Force 108 Electronic Depot and backed by a large community of innovators behind him

To include:
40 Professional Volunteers - MDA, Physicians from leading Israeli hospitals such as Tel Aviv Sourasky and Hadassah JLM as well as other medical centers, Engineers, First robotics mentors and students, The Haifa Technological Center, Rafael and IAI industries, IAF Unit 108, The garage program by Microsoft Israel and others.

Rated by Robert Lee Reed as the leading solution in this category, among 40 other initiatives.

AmboVent 1690.108
Automatic, Controlled Resuscitator Device

Emergency ventilation alternative system
Global Partnership for the Greater good Leading Open Source Code Mentality Initiative

Off the Shelf Components
- Hex Shaft Snowblower motors
- Spark mini Motor Controller
- ArduinoNano
- SparkFun Pressure Sensor

Validation and Tests
- Supports Rapidly Manufactured Ventilator System specifications
- Evaluated in Tel Aviv Sourasky hosp.
- Tested in Flex labs
- Calibrated in Rambam hospital

Documentation
- Files are available in an ANSI-metric standard
- Mechanical model design source-code files are provided in a Parasolid format (X_T)

Getting Ready for Production
- Materials: Aluminum, Akulon-nylon6
- Metallic painting capacities
- FDM based 3D printing machines
- Factory assembling capabilities
- CNC, Punch, Bend manufacturing Capabilities
- Printing on Lexan

Maj. Dr. David Alkaher
Dalkaher@gmail.com