LifeMech A-VS

Electronics Team Onboarding

# This Is Not An Intel Project

If you are an Intel employee, please note that this is not an Intel project. Intel has approved the use of some Intel resources for this project, including email and Skype. If you send an email using your Intel email address, please include the following statement in your signature:

*Note: This email relates to a volunteer project I am working on as part of a larger effort to design and prototype a minimum viable ventilator in response to COVID 19 outreach efforts by the Oregon Health Authority (OHA). All designs and project results will be made publicly available under permissive open source licenses****.*** *This is not an Intel program.*

# Resources

## Slack

Much discussion occurs using Slack collaboration software (slack.com). You will be invited to the Slack workspace, aqualungworkspace.slack.com, and added to a default set of channels. Browse for additional channels of interest.

This validation team uses the #validation channel for test discussions and the #software channel for discussions about the software implementation.

## Meetings

Invites to meetings will be sent to you. The following meetings are for the electronics development teams: software & validation.

|  |  |  |
| --- | --- | --- |
| Validation Team Meeting | Daily | 10:30-11:00a PT |
| Software Team Meeting | Daily | 12:00-1:00p PT |

## Google Drive

Various Intel G-suite Google drive locations are in use. The electronics validation team uses the LifeMech Electronics Team folder located at <https://drive.google.com/open?id=1FbRVSQM5icZax-OIJ9p8avvdgQvh2q-c>. If you have an Intel Google account, you should have access to this folder. If not, click on the link and request access.

If you want to use a personal Google account for this project, request access from [lawrence.pollack@intel.com](mailto:lawrence.pollack@intel.com) and provide the email address associated with your Google account.

Once you have been granted access, you will be able to access all subfolders and documents. *BTW, this document is located in the top folder.*

## GitHub

This is an open-source project. In order to contribute, you must be added as a member of the GitHub organization, <https://github.com/OVVE>. Once you have Slack access, send a request for GitHub access to @LarryP or the above email address and provide your GitHub account ID.

# Public Resources

## LifeMech

LifeMech is the 501(c)3 non-profit organization that is developing and releasing the ventilator.

|  |  |
| --- | --- |
| Web page | [lifemech.org](https://www.lifemech.org) |
| Facebook | *TBD* |
| Twitter | *TBD* |
| GoFundMe | *Open only to team members until web page goes live*  [*https://www.gofundme.com/f/efj4dc-lifemech-machines-saving-lives?utm\_source=customer&utm\_medium=copy\_link&utm\_campaign=m\_pd+share-sheet*](https://www.gofundme.com/f/efj4dc-lifemech-machines-saving-lives?utm_source=customer&utm_medium=copy_link&utm_campaign=m_pd+share-sheet) |

# Quick Links

## Project Google Drive Links

* Lifemech A-VS Design Document: <https://docs.google.com/document/d/1zNcyCmmNd348i_7DbgEODeCh1DmUwBEMrMAPKc4gt2U/edit>
* Emergency Ventilator Test Plan: <https://docs.google.com/document/d/1frTCUYUKg5FHt4tz_-w3-otqKRPiIaBkSm1Q3F1-7wk/edit#heading=h.oaefzolq8bux>
* LifeMech Electronics Team Folder: <https://drive.google.com/open?id=1FbRVSQM5icZax-OIJ9p8avvdgQvh2q-c>
* Queries from validation team (list of questions being compiled): <https://docs.google.com/spreadsheets/d/15PripQ-IiVBPuZ_ASa9ojC8bC9PvuCx8nNthU1CctW4/edit#gid=0>

Other Project Links:

* GitHub project: <https://github.com/OVVE>

External Links:

* MIT E-vent: <https://e-vent.mit.edu/>
* Mechanical Ventilation (w/COVID-19 content) YouTube (watch videos 1-3): <https://youtu.be/mnIpD1VwyMo>
* 21 CFR 820 Medical devices, Quality system regulation: <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?CFRPart=820>
* FDA Design Controls overview: <https://medcitynews.com/2015/07/fda-design-controls-for-medical-device-companies/>
* Open Source Ventilator (OSV): <https://opensourceventilator.ie/>