



Give a Breath Challenge

initiated by Fraunhofer and Munich Re

In the face of the current crisis caused by the novel coronavirus, **Munich Re and Fraunhofer-Gesellschaft initiate a challenge** for the purpose of pooling the most capable minds **in order to alleviate the consequences** for those heavily affected all around the globe. That's why Munich Re and Fraunhofer decided to initiate a **global call for ideas** to identify designs for **emergency ventilators and necessary equipment**, to decentrally treat COVID-19 patients in times of crisis.

What we are looking for

If you or your team have any ground breaking ideas on how to develop a feasible and digitally distributable blueprint for emergency ventilation equipment (ventilators and consumables like masks, O₂-tanks or valves) to enable the immediate and decentral production via global 3D-printing or other rapid manufacturing capacities, please submit and help to save as many lives as possible.

The equipment to be developed should only be used in state of emergency for the decentral treatment of non-intensive-care COVID-19-patients in order to reduce demand for hospitalization. The selected digital blueprints are provided to governments

and states all around the world to enable them to start a decentralized large-scale production where needed the most.

What to expect

Applications will be reviewed by a panel of high-profile judges. The selected ideas/teams will be awarded with individual prize purses of €400,000 in total. Further we will have a realization fund of at least €600,000 (invitation to additional industry-supporters and donors) to enable the decentral production in countries and regions of need.

Judging Committee

- Board Members Munich Re:
Dr. Torsten Jeworrek, Dr. Thomas Blunck
- Board Members Fraunhofer: Prof. Reimund Neugebauer, President of the Fraunhofer-Gesellschaft, Prof. Ralf B. Wehrspohn, Executive Vice President Technology Marketing and Business Models
- Further stakeholders of implementation partners and representatives of public institutions

Partners wanted

Every industry partner or organization is invited to participate in our initiative - please contact us to discuss on how you can be part of the initiative.

Timeline

2 weeks challenge (starting Wednesday, 25 March 2020) with the following phases:

- **Ideas and team building** incl.
1st selection, idea specification,
2nd selection and award
- **Proof-of-concept production and quick validation**
- **Distribution of designs to governments for decentralized production in countries of need.**

Contact

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