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In the fight against corona:

Viessmann switches parts of its production to ventilators, mobile care units, face masks and disinfectant

- Family business increases social responsibility in times of crisis
- Production lines converted for new purposes
- Ventilator developed in cooperation with RWTH Aachen University and the associated teaching hospital of the medical faculty
- All ideas come from our own employees
- Apprentice initiated production of face masks

Allendorf (Eder), 20.04.2020 – In the fight against the COVID-19 pandemic, the Viessmann Group is expanding its social responsibility. In a converted part of its production facilities, the family-owned company now also manufactures – in addition to its leading climate and energy solutions – ventilators, mobile care units, face masks and disinfectant.

Max Viessmann, Viessmann Co-Chief Executive Officer: "Fighting the current pandemic requires cohesion, team spirit and creativity to make the best out of the current challenging situation. I experience these qualities every day with around 12,300 members of the large Viessmann family. I am extremely proud of this. It goes without saying, that we are aware of our social responsibility in times of crisis and that we are now strengthening it once again. After all, the whole thing will only end when it ends for everyone – worldwide. The way we deal with the Corona crisis today, will determine how we remember this time in the future – hopefully with pride and the awareness of having achieved a new dimension of solidarity.

Dr. Markus Klausner, Chief Technology Officer Viessmann Climate Solutions: "All ideas come from our own teams. I am incredibly impressed by the creativity of our team. There is a great deal of engineering skill, attention to detail and high reliability behind all our solutions. Because these are integral parts of our more than 100-year-old Viessmann DNA. Disinfectant and face masks have already been handed over to the district. The development of the ventilators is carried out in close cooperation with doctors from the Luisenhospital, the academic teaching hospital of the medical faculty of the RWTH Aachen University, and Professor Dr. Dirk Müller from the E.ON Energy Research Center at RWTH Aachen University, as well as other hospitals. On a regional level, the district hospital in Frankenberg (Eder) in particular provided a great deal of support. The Luisenhospital has already given a positive assessment of the suitability of the equipment. With the support of the Federal Ministry of Health, we are working together with the Federal Office for Drugs and Medical Technology to obtain the special approval that has now been launched. All of them are pulling together here and showing highly dynamic commitment so that mass production can be implemented as quickly as possible.

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Once the special approval has been granted, a production of over 600 units per day would be feasible".

Production converted within a few days

One of the production lines for wall-mounted gas appliances, at the company's headquarters in Allendorf (Eder), North Hesse, was converted within a few days to manufacture the aforementioned products. The fact that it was even possible to develop a simplified ventilator in such a short time is due to the design of these wall-mounted gas devices. On the one hand, many components of the wall-mounted gas devices, such as the electronic gas and air connection, could be adapted for the ventilator. On the other hand, Viessmann has an extremely flexible production facility, which could be adjusted to the new requirements in a very short time.

Ventilators are mobile and not dependent on hospital infrastructure

The engineers of the family business are in close contact with various anaesthetists and intensive care physicians who have accompanied the development. Furthermore, they are actively supported by Prof. Dr Müller from E.ON Energy Research Center at the RWTH University. The ventilators enable an individual adjustment of the relevant pressure levels as well as the breathing rate and allow a variable admixture of oxygen. The compact ventilators are mobile and do not necessarily depend on the technical infrastructure of a hospital, because they can be operated either via the hospital's oxygen supply, as well as a solution with a connected oxygen cylinder. Many countries currently have a great shortage of ventilators. Viessmann is already in contact with selected authorities there to investigate possible local use. All efforts are currently underway to obtain quick special approval for the use of the ventilators in Germany.

Portable care units can be set up quickly and anywhere

From now on, Viessmann Technologies, a member of the group of companies, will also offer modular care units, which could also make a fundamental contribution to the care of seriously ill COVID-19 patients. Thanks to the prefabricated and modular design, the units can be installed quickly and are available in module sizes for one or two patients. These portable care units can be set up indoors, for example in exhibition halls or sports arenas, but – with an appropriate cover – also outdoors.

Apprentices set up production line for face masks in the training center

Traditionally, Viessmann attaches great importance to the training of young people. As a result, they also demonstrate a high level of social responsibility in supporting the fight against

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the pandemic. At the Viessmann Group's technical training centre in Allendorf (Eder), a production line for manufacturing high-quality face masks was set up largely under the young colleagues' own initiative. These masks have already been handed over to the Waldeck-Frankenberg district. From next week, the company, in close cooperation with neighbouring companies and the district, plans to produce up to 10,000 masks per week.

Many projects originate from employee ideas

Every year, employees of the Viessmann Group submit around 150,000 ideas and suggestions for improvement – a top figure per employee in Germany. Currently, many ideas are directly related to the corona crisis. For example, at the suggestion of the employees, the production of our own disinfectant was implemented. Following an appeal by Viessmann, more than 250 partners have recently declared they are willing to join forces to show solidarity in the media and overcome the crisis together.

Another result from an employee idea is the manufacturing of so-called "personal door openers", which are produced on the 3D printers in the Viessmann prototype manufacturing facility. By using this simple but effective tool, no one needs to touch a door handle with their hands any more.

In addition, initial quantities of the in-house disinfectant have been made available to the district.

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About Viessmann

Viessmann is continuously changing from a heating technology manufacturer to a solution provider for the entire living space. To this end, the company develops seamless air conditioning and cooling solutions that provide people's surroundings with the optimum room temperature, hot water, electricity and good air quality in equal measure. In its integrated solutions range, Viessmann seamlessly connects products and systems based on the right energy sources via platforms and digital services. This is complemented by a wide range of additional services. The focus here is on achieving the right balance between renewable energy sources and maximum energy efficiency with fossil fuels. Since its foundation in 1917, the family-owned company has acted in a value-oriented and long-term manner. And is reflected in the overriding corporate mission statement "We create living spaces for the generations to come". Shaping living spaces for tomorrow's generations is the responsibility of the Viessmann family, which has 12,300 members worldwide.

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Image Captions: ATTENTION: The invisible photos will be added to the newsroom shortly. Link follows asap.



Image 01: Viessmann's mobile ventilator, was developed and constructed by employees within no time for the care of corona patients.

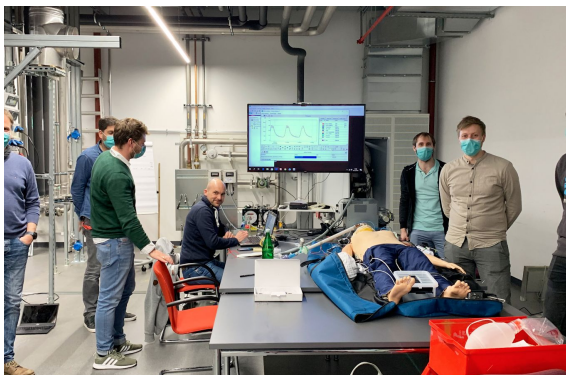


Image 02: Viessmann's mobile ventilator was tested extensively- in cooperation with, among others, physicians from the Luisenhospital, the Academic Teaching Hospital of the Medical Faculty and Prof. Dr. Dirk Müller's team from the E.ON Energy Research Center from the RWTH Aachen University and other hospitals.

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Image 03: The mass production of Viessmann's mobile ventilators taking place in Allendorf (Eder).

Image 04 to 06: Comprehensive test runs with the Viessmann ventilator for corona patients: The development of the ventilator was carried out in close cooperation with doctors from the Luisenhospital, the academic teaching hospital of the medical faculty and Prof. Dr. Dirk Müller's team from the E.ON Energy Research Center from the RWTH Aachen University and other hospitals.



Image 07 to 09: The care units from the Viessmann subsidiary "vitec" are complete ready-to-use solutions: prefabricated and mobile. A so-called "ICU" can be transported to any location worldwide, even overseas transport with self-assembly is possible.

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Image 10: Apprentices at Viessmann Werke had the idea themselves to develop and manufacture protective masks for the mouth and nose. Several hundred masks have already been handed over to the Waldeck-Frankenberg district for use in hospitals and care facilities. Soon, 10,000 masks will be produced each week.

Image 11: Reusable protective masks: The base structure is 3D printed and allows the filter unit to be replaced.

Image 12 and 13: The disinfectant produced by Viessmann is made available to care and support facilities in the district Waldeck-Frankenberg.

Image 14 and 15: The door openers developed by Viessmann help to avoid touching door handle with hands.