

## Press release

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# Dräger acquires majority share of Swiss medical technology start-up ›STIMIT‹

**Lübeck –Drägerwerk AG & Co. KGaA has acquired the majority share of STIMIT AG. With this acquisition, Dräger further expands its expertise in the field of lung-protective ventilation. STIMIT is specialized in lung activation and non-invasive stimulation of respiratory muscles in intensive care patients.**

Different courses of disease may require artificial respiration. The novel coronavirus is just one of them. If the body is no longer able to breathe on its own to a sufficient extent, mechanical ventilation can save lives. However, after just a few days of ventilation, there is a risk of weakening the respiratory muscles and diaphragm. In order for patients to be able to breathe on their own again, the diaphragm, as the most important respiratory muscle, must be maintained and built up. STIMIT plans to achieve this by means of electromagnetic fields that stimulate the diaphragm.

"With Dräger at our side, we will create clinical evidence to establish a novel therapy to serve patients", says Ronja Müller-Bruhn, founder and CEO of the STIMIT AG. "Dräger's investment in STIMIT combines the innovation and pace of a start-up with the expertise, technology wealth and entrepreneurial spirit of the leading premium provider in respiratory care", says Dr. Georg Matheis, director of the STIMIT AG. "The STIMIT team is excited to work with Dräger to develop products for a new therapy to improve critical care."

"STIMIT is working on a solution that is not yet available on the market. By acquiring a majority stake, we secure a head start in the development of non-invasive stimulation of respiratory muscles", says Stephan Kruse, Head of Business Unit ›Therapy‹ at Dräger. "As an expert in ventilation technology, it is of extraordinary interest to us to make ventilation as gentle as possible and to drive forward innovative solutions in this field."

STIMIT will work together with Dräger in the following months to further develop the product and conduct clinical trials.

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The Swiss-based start-up STIMIT was founded in 2018 and works on solutions to strengthen the respiratory muscles of artificially ventilated intensive care patients, in a non-invasive way. Among other things, it aims to positively influence the weaning process from ventilation. Currently, the duration of the weaning process from artificial ventilation in ICU patients is approximately between 40 and 50 percent of the total ventilation time.<sup>1</sup> The weaning process usually becomes more difficult as the duration of ventilation increases. In the long term, electromagnetic stimulation of the diaphragm should help shorten the period of ventilation and thus the time of hospitalization, as well as reduce the risk of complications.

### About Dräger

Dräger is an international leader in the fields of medical and safety technology. Our products protect, support, and save lives. Founded in 1889, Dräger generated revenues of around € 3.4 billion in 2020. The Dräger Group is currently present in over 190 countries and has more than 15,000 employees worldwide. Please visit [www.draeger.com](http://www.draeger.com) for more information.

### About STIMIT

STIMIT is an innovative medical technology company founded in 2018 by Ronja Müller-Bruhn and Oliver Müller, specializing in respiratory muscle stimulation. The STIMIT team develops products for a novel therapy to maintain and build respiratory muscles in ventilated intensive care patients. For more information, visit [www.stimit.com](http://www.stimit.com).

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<sup>1</sup> Schönhofer, B., Geiseler, J. Dellweg, D., Fuchs, H., Moerer, O., Weber-Carstens, S., Westhoff, M., Windisch, W. *Prolonged Weaning: S2k Guideline Published by the German Respiratory Society*. Respiration 2020;99:982–1083. URL: <https://doi.org/10.1159/000510085>