

Press release, 26 October 2021

New technology to reduce blood loss after injury

When a critical injury to an arm or leg results in intense blood loss, an emergency tourniquet must be applied. Through innovative solutions, competence in industrialisation and eco-design, Semcon in Norway is supporting health tech company Aristeia in the development of its unique tourniquet for bleeding control.

Aristeia's patented solution is easy and quick to use, providing a market leading pressure distribution thanks to the geared pull cord mechanism, the robust strap guide, and the on-device user instructions. The optimised pressure distribution reduces pain and discomfort.

"This project is a great example of how we can contribute with our experience and expertise at Semcon to help realise a very good idea that will end up helping a lot of people. At the same time we are also showing how product development can be carried out in a more sustainable way", says Kristina Schnell, project manager at Semcon Norway.

Semcon is collaborating with Aristeia to advance the performance and design of the startup's current Gen4 prototype as well as exploring the best manufacturing procedures for serial production.

"With such lightweight and compact designs, it is key to finding cost efficient and sustainable manufacturing techniques, ranging from catalogue components to 3D printing. We are happy to have Semcon onboard this journey", says Gard Fostad Moe, CEO and founder of Aristeia.

The prototype will be ready for testing in November 2021. Aristeia is a startup that is partly funded by Innovation Norway and The Research Council of Norway.

[Read more about Aristeia.](#)

With more than 35 years of experience in the life science industry, Semcon helps customers throughout the entire product and production development process, including product information, plus expert skills meeting niche needs. [Read more about Semcon's offering in life science.](#)

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