



PRESS RELEASE

Hall 15, booth H16

InnovationLab shows printed electronics at MEDICA

Innovative sensors improve patient care

Heidelberg, Germany – November 12, 2021 – [InnovationLab](#), the expert in printed electronics "from lab to fab", announces that it will be attending [MEDICA](#), the world-leading medical trade fair, in Düsseldorf from November 15th to 18th. InnovationLab will be showing its portfolio of printed and organic electronics at Hall 15, booth H16, with a focus on sensors in healthcare.

At MEDICA, visitors to InnovationLab's booth will be able to see a number of demos, giving an insight into the advantages of flexible and thin electronics for the medical sector. This includes a smart mattress cover to prevent pressure sores, a smart carpet for various monitoring systems, and an example of its sensors in smart textiles, with a T-shirt with a sensor patch.

InnovationLab will also be demonstrating OccluSense[®], a product from Bausch that uses integrated flexible, printed pressure sensors from InnovationLab. OccluSense[®] combines conventional and digital occlusion control, by digitally recording the pressure distribution during the biting process, using indiscernible sensors printed on thin foils.

Another use case is a smart drainage catheter, developed in co-operation with accensors, a business unit of InnoME GmbH. This monitors inflammation parameters near a wound during medical procedures, using flexible, printed foil sensors.

"Printed sensors can be processed on ultra-thin and flexible substrates, making them ideal for integration into medical packaging, products or devices," said Luat Nguyen, Managing Director at InnovationLab. "They can be used in a huge range of healthcare applications, including tracking the amount of medication used, preventing bed sores with pressure sensors, and improving walking behavior in Parkinson's patients with intelligent shoe soles."

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About InnovationLab

Founded in 2008, InnovationLab GmbH is a one-stop shop for printed electronics, with a focus on flexible pressure sensors, as well as temperature, moisture and gas sensors, and the capability to design and produce fully integrated hardware/software systems. The company offers highly customized solutions and supports high-volume production at two manufacturing sites in Germany, providing hands-on support to its customers throughout the entire product value chain, from concept to bulk production of printed functional products. InnovationLab provides state-of-the-art infrastructure along with comprehensive expertise in materials, processes and printing technologies to develop novel products. InnovationLab also supports numerous research and industrial partners at its lab and fabrication facility, an interdisciplinary environment featuring 6200 m² of usable space for production, development and offices,



including 700 m² state-of-the-art cleanrooms. For more information, see <https://www.innovationlab.de>.