

# B-NEO: THE NEXT GENERATION SMART SENSOR SYSTEM



## The Idea

- ? Which kind of technology can make a sustainable difference in our day-by-day lifestyle?
- ? Make us feel better, and make our lives healthier, smarter, safer, and richer?
- ? Whether you drive, walk, work out, game, spend family time, or even sleep?

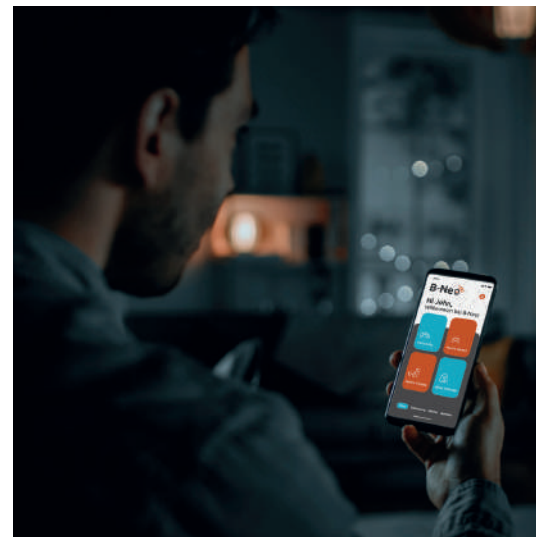


Our answer is **B-Neo**, the next generation sensor system by B-Horizon. Together with selected partners, we create innovative products for the needs and desires of tomorrow's customers.

## The Technology

Based on its new and unique technology, B-Neo is able to measure multiple parameters simultaneously and can be applied to a wide range of products.

The direct integration of the extremely flat yet resilient sensors in flexible materials makes the production process efficient and economic.



The data captured by the sensors are being structured with support of artificial intelligence (AI) and processed specific to the respective application.

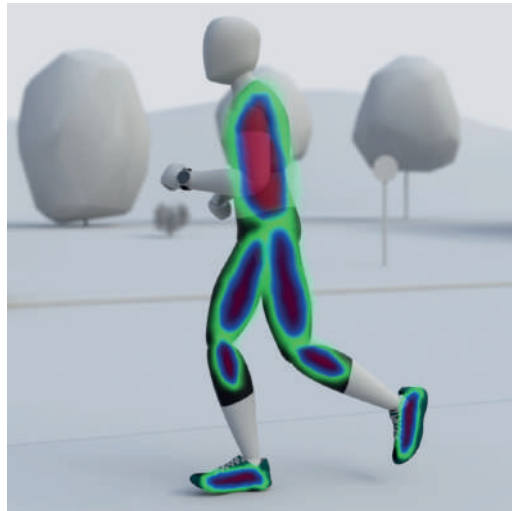
The output is provided to the user's smartphone, smartwatch, or a larger screen through the B-Neo App, depending on the user's preference and type of application. The B-Neo technology and its potential applications are protected by multiple patents in the EU, USA, and other countries.

# APPLICATION EXAMPLE HEALTH CARE



## The B-Neo Smart Topper

In medicine and health care, a variety of specific applications can be foreseen, to support the needs of the respective therapy, e.g. in the areas of post surgery treatments, integrated in medical devices as exoskeletons, orthoses, bandages or compression stockings.



### B-Neo sensor system integrated in topper



When the B-Neo sensor system is integrated in mattress toppers or mattresses, it can transmit essential information on the patient's health status to the nursing staff, as movements, vital parameters, or moisture condition, allowing specific actions towards the well being of the patient.

## The Company



*„In tomorrow's world, intelligent sensors will be increasingly needed: especially in vehicles, yet also in many other areas of our life. Together with our partners we develop innovative concepts and products that cater to the future demands of the markets.“*

**Mohammad Kabany,**  
Founder and CEO

**B-Horizon GmbH** is a company for sensor and semiconductor development, and micro electronics quality management. Passion for technology and our competence are the foundation of the success that we achieve together with our clients and partners.

**Experience the Future of Smart Living.  
B-Neo. Be new. By B-Horizon.**

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