

# 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?

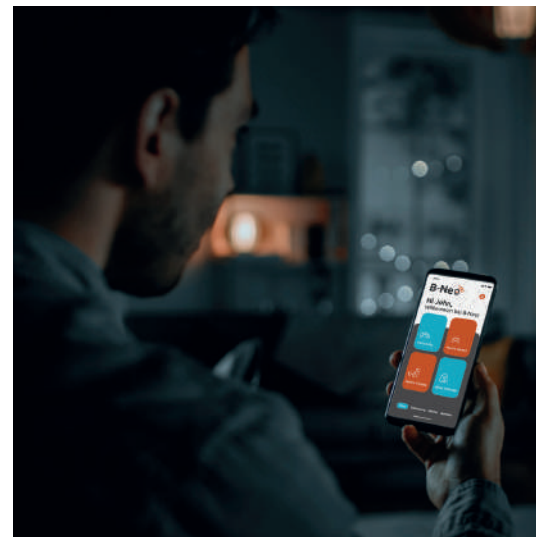


Our answer is **B-Neo**, the next generation sensor system by B-Horizon. Together with selected partners, we create innovative products for the needs and desires of tomorrow's customers.

## 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 SMART LIVING



## Smart Home

Fascinating perspectives will open with the development of the Internet of Things (IoT) when objects communicate with each other. Through the unique combination of the B-Neo technology and artificial intelligence (AI), manifold possibilities for innovative applications will emerge in this area of dynamic growth, making our daily life smarter and richer.



Integrated in furniture of a smart home, B-Neo measures vital parameters of the user. It uses IoT connectivity to enhance living and sleeping comfort. The sensor system recognizes individual movements in the home and uses AI data analysis to forecast the next steps. Thus, B-Neo can prepare the living areas and bedroom accordingly – with individual heating or cooling of sofas, mattress, and other surfaces. The sleep analysis in the morning will complete the perfect individual convenience.

## 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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