

# 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?

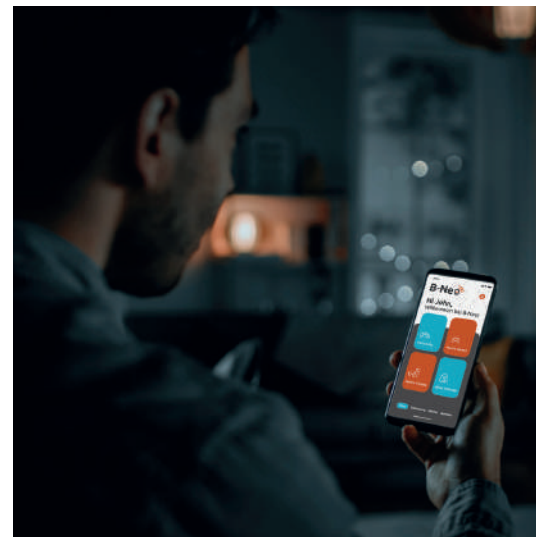


Our answer is **B-Neo**, the next generation sensor system by B-Horizon. Together with selected partners, we create innovative products for the needs and desires of tomorrow's customers.

## 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.

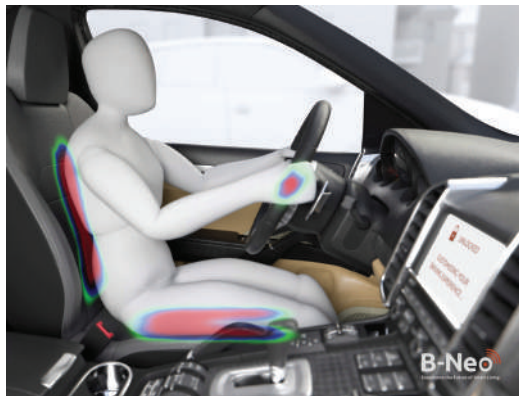
The output is provided to the user's smartphone, smartwatch, or a larger screen through the B-Neo App, depending on the user's preference and type of application. The B-Neo technology and its potential applications are protected by multiple patents in the EU, USA, and other countries.

# APPLICATION EXAMPLE AUTOMOTIVE



## The B-Neo Car Seat

Especially the vehicle interior will need a multitude of new sensors, for instance integrated in the car seat, to ensure secure passenger recognition and the reliable monitoring of the occupants while driving. Beyond that, smart sensors play a pivotal role for the implementation of the next levels of automated driving.



### A prototype of the new B-Neo Car Seat



Passengers of future automobiles will sit different than today. They may face each other, while the car drives autonomously. The self-driving car will require constant feedback about passengers' movements. The innovative B-Neo sensor technology will play a key role for the breakthrough of automated driving as well as for the enhancement of safety and comfort functions in the car interior.

## 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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