

## Press Release

# Viezo Announces the Launch of the Beta Version of their Sensors



## **VIEZO -**

May 17, 2021

- *Since May 2020, the vision of having a personalized line of sensors was born in Viezo company*
- *The launch of the Beta Version of these sensors was announced on May 14<sup>th</sup> to be released officially in the market*

**Vilnius**, May 17, 2021 – Leading developers to one of the most powerful PVDF vibration energy harvester Viezo, has announced the launch of their Beta Version of their Sensors. The sensors will be available officially in the market.

## **The birth of the vision**

After full examination and research of the market status taking into consideration the current ongoing Covid-19 challenges that affected the industrial world, Viezo located a space for personal growth.

On May 2020, the team of Viezo started the planning of a new vision to create the company's first fully automated line of sensors. The design and features details were proposed by August 2020. The prototype was created in November 2020.

Viezo team is happy to announce the success that was achieved of the development process and the conducted tests to achieve the current Beta Version of the sensor – Sonora wireless autonomous sensors series, based on the LoRaWAN® standard, vibration and temperature type. Viezo is already conducting proof of concepts, conducting feasibility studies for companies such as: railway operators, industrial companies, train manufacturers, industrial machinery manufacturers.

### **The unique design of the sensor**

Viezo is the first company in the world, commercializing the vibration energy harvesting technology within the piezoelectric PVDF material, which is environmentally friendly and low-cost. This technology is integrated in the design of the sensor.

Viezo utilizes Piezoelectric PVDF material to convert vibrations into electricity. PolyFilm technology is based on the cantilever structure and as the cantilever vibrates, it generates electricity which is then stored in a supercapacitor. Afterwards the electricity from the capacitor is passed to the sensor, this way the use of batteries in Industrial IoT deployments can be avoided. PolyFilm is currently patent pending.

The SONORA Series compact plastic enclosure (101x50x26mm) is specifically designed to withstand harsh environmental conditions. The device also incorporates a magnetic mount, which ensures a smooth & easy installation in any application. Harvester frequency range is 20-60Hz and energy storage is Supercap 30F.

SONORA self sustainable sensors have a 3 times prolonged lifespan compared to battery powered IoT sensors. The value intended behind this technology is to avoid unnecessary maintenance trips to the field, while company save on operational costs.

### **About Viezo**

Viezo is a startup, established in early 2018 with the idea and goal to help fourth Industrial revolution expand faster and cheaper without needing to think about powering the sensing equipment. The technology can convert vibrations into usable electricity, therefore powering sensors indefinitely which are deployed on vibrating, dynamic machinery.

Viezo's plan for 2021 is promising and full of diversified plans. The development process is continuing to aim at astonishing results as to reach the company's vision. This year, the plan includes developing custom products to Railway, Oil & Gas, Mining and other Industrial companies.

Viezo will be participating soon in the event of creating and developing many new sensors. It will be added to the final version.

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