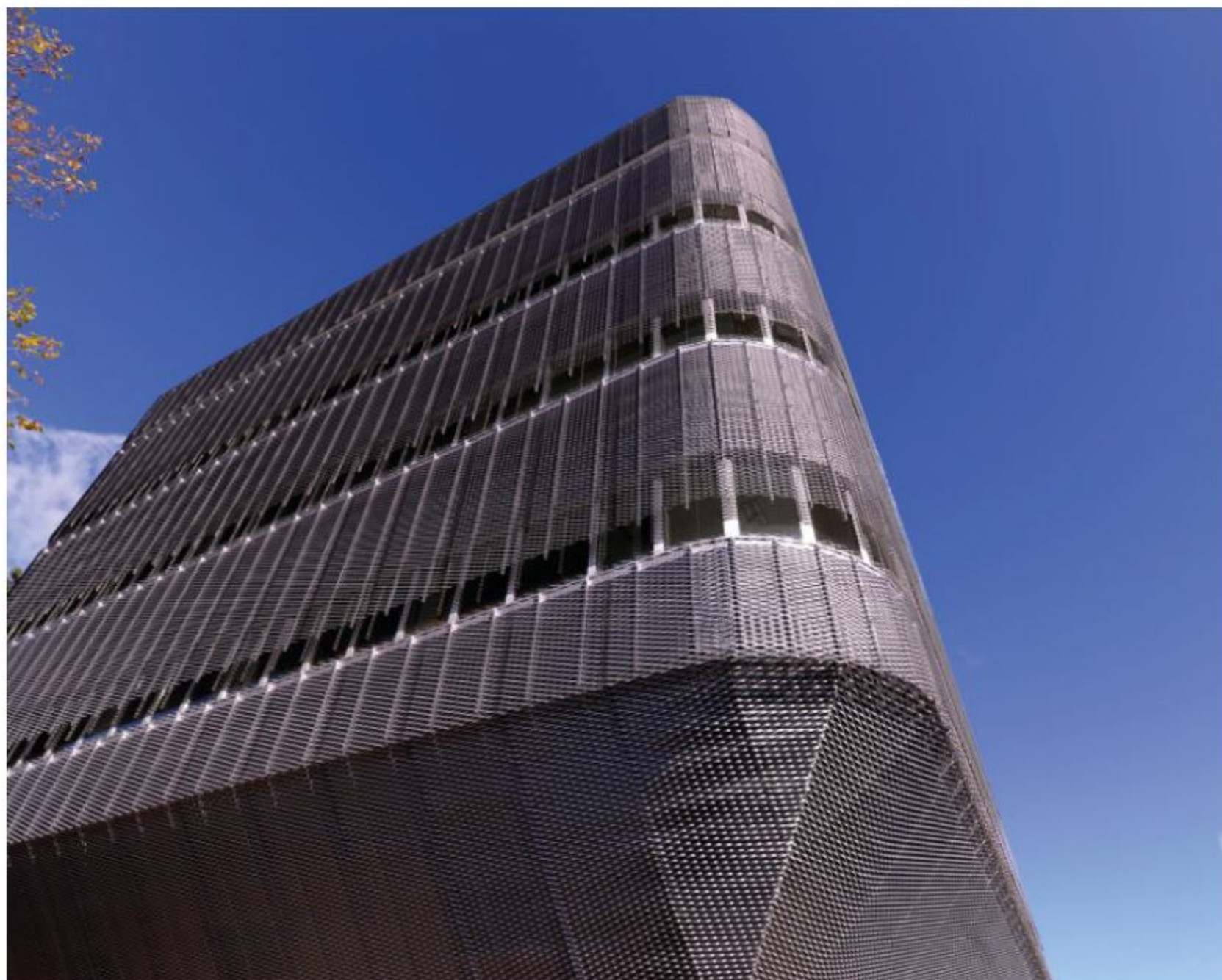




## **Functional inks and printed sensors**





## About Us

With many years of acquired experience, Nanopaint is a Portuguese technology-based company, founded in 2016, that develop functional inks for the production of printed & flexible sensors.

By delivering innovative solutions, such as electroactive and functional inks, new applications can be built to improve performance in many markets, such as biomedical applications, electronic devices, automotive, aerospace, energy, and environment. Nanopaint develops and commercialize innovative electroactive inks that allows the production of printing sensors through different printing technologies. Our team has an extensive know-how in electroactive polymers, polymeric compounds and synthesis of nanoparticles, which contributes to the development of high-performance functional and conductive inks. Our company also provides customized printed sensors and electronic development, according to the customer project requirements.



## Vision, Mission & Values

To allow everyone design and build their own technology, is Nanopaint's vision. To achieve it, our mission is to provide technological inks that improves productivity, profitability, and results for our customers. Nanopaint's core values are:

- Teamwork - We empower others. Together we make the difference.
- Passion - We are continuously improving and innovating.
- Integrity - We are honest, fair, ethical, and genuine.
- Quality We seek excellence in everything we do.



## Our Products & Services

At Nanopaint we are continuously improving and developing new products to fulfil the market demand. We offer a full range of highly reliable inks, sensors and solutions to deliver added value to our customers.

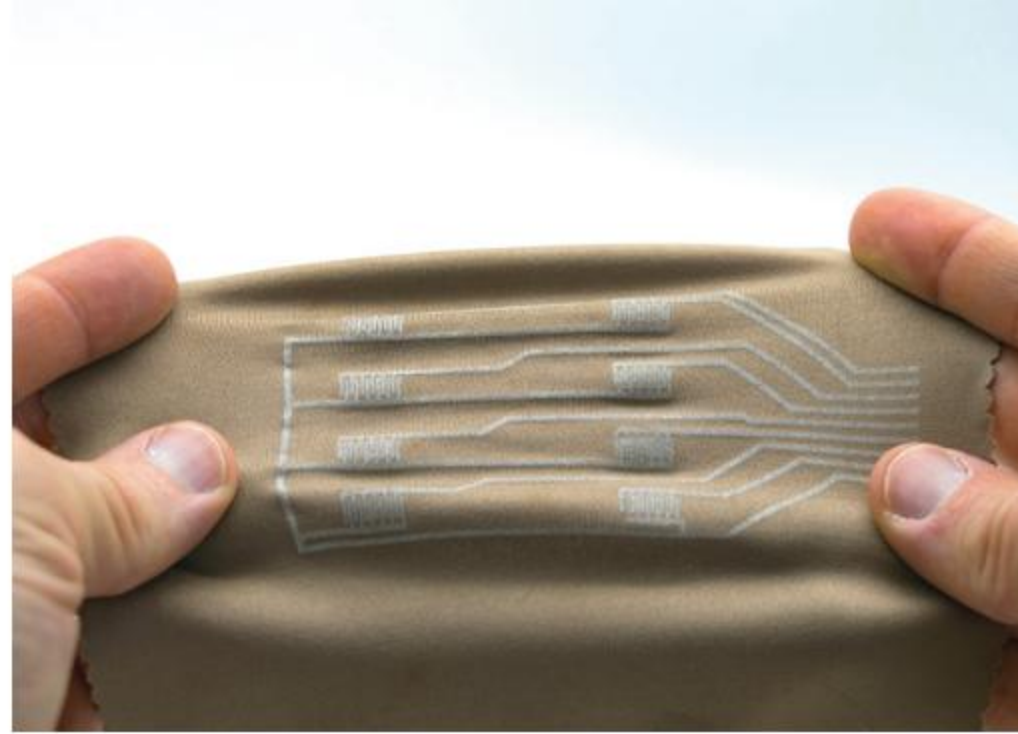


### Piezoresistive Inks

With a strong variation of the electrical resistance upon mechanical deformation, this ink allows the implementation of deformation, force and pressure sensors.

### Inks for Printed Batteries

To produce printed lithium ion batteries, the anode, the cathode and the electrodes can be printed in different substrates.

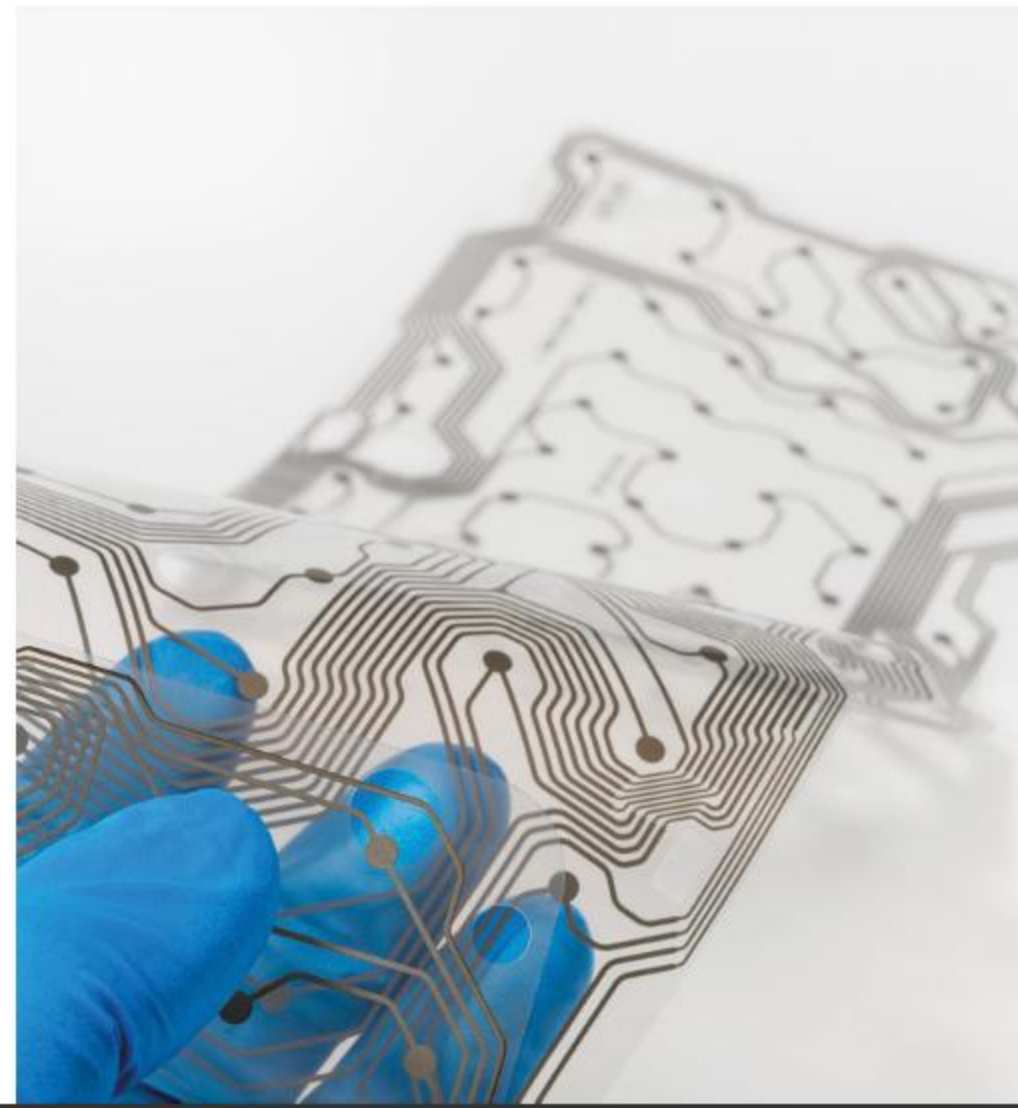


### Piezoelectric Inks

Capable of measuring mechanical vibrations with the purpose of monitoring strikes, bending, air flow or sound waves.

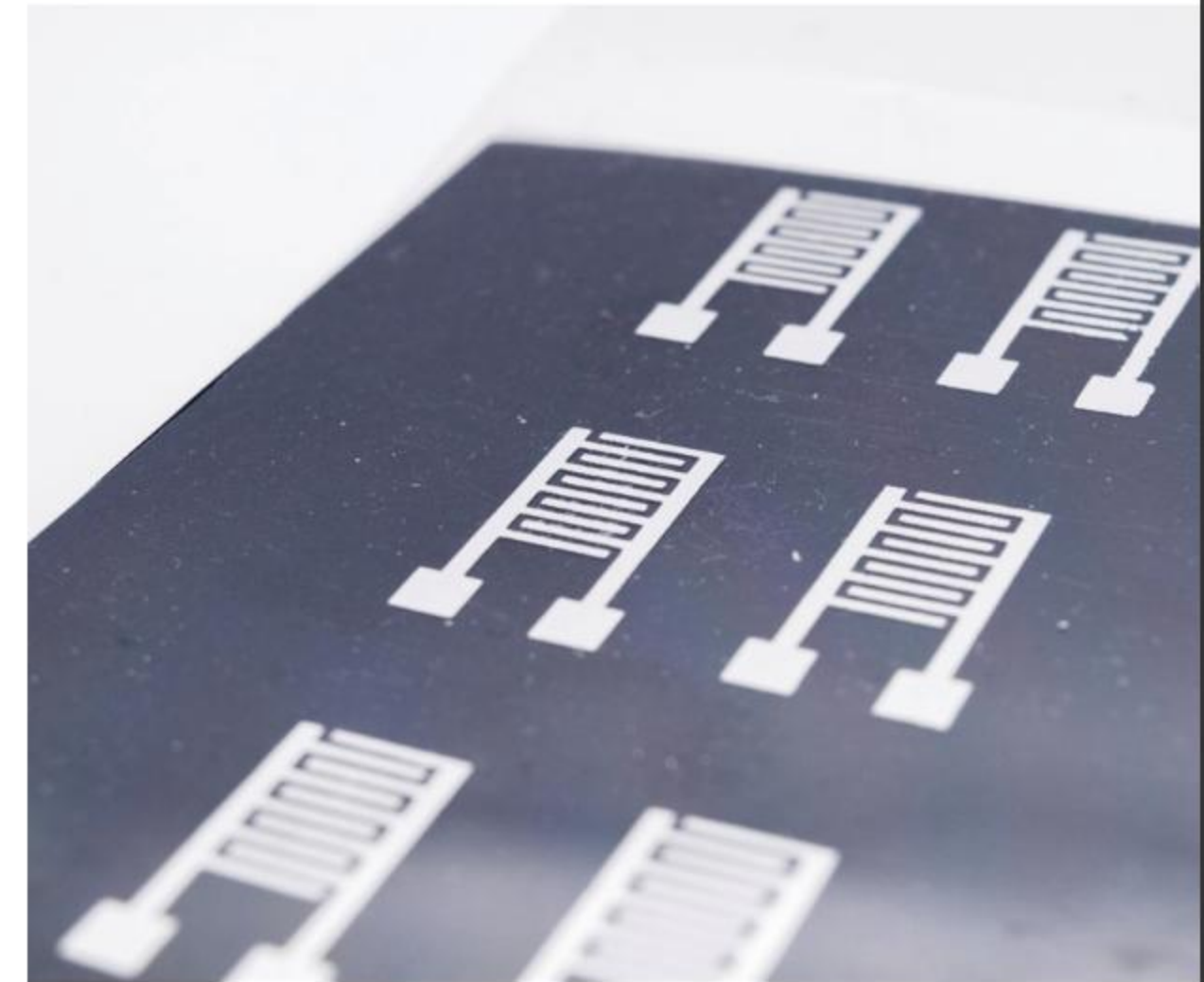
### Printed Sensors

As a manufacturer, Nanopaint can offer a broad range of products, solutions and services, including printed sensors and prototypes.



### Magnetic Inks

Our Ferromagnetic, Magnetolectric and Superparamagnetic inks can be used for high sensitivity magnetic field sensors and magnetic ID tags.



### Consultancy

We have deep experience applying technologies to help you achieve your business goals.

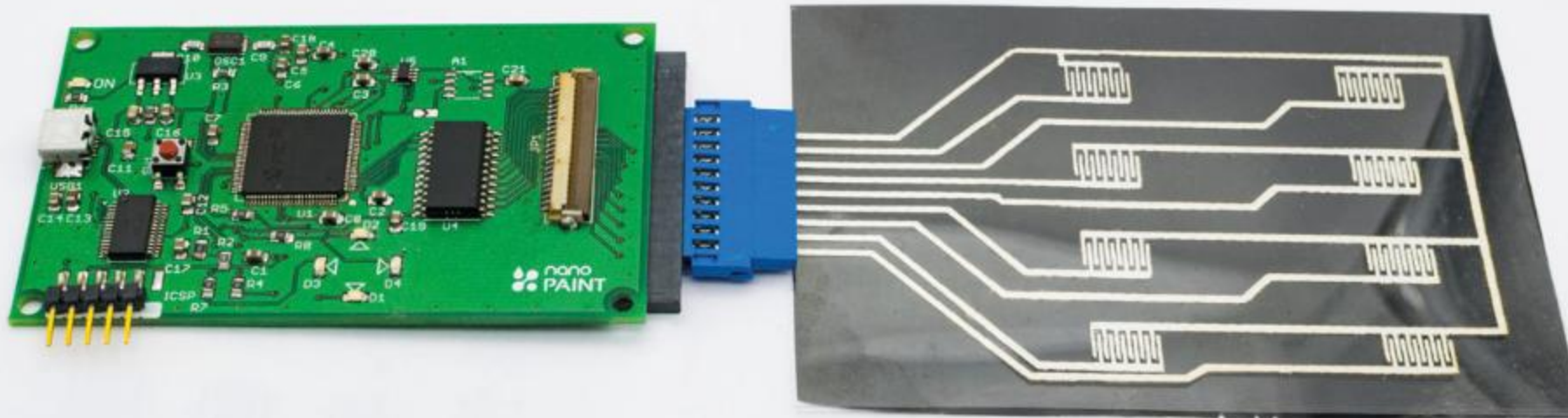
**Nanopaint functional inks are designed for the printed electronics applications, allowing electronics to spread in new areas.**



## Markets & Applications

Nanopaint inks can be used to produce sensors, actuators, and electronic components. These flexible and printable devices can be applied in:

- Electronic devices (RFID tags, data storage, displays)
- Sports (smart textiles, performance monitoring)
- Automotive and Aerospace (printed strain gauges, vibration sensors)
- Biomedical (smart in vivo prosthetics, vital signal monitoring)
- Energy (energy storage, solar harvesting systems).



Nanopaint is a pioneer on the production of electroactive inks that can be employed as sensors in a wide range of substrates, allowing the creation of many applications which are not possible by conventional means. With our products you can achieve flexible technologies, with a high speed production on a low cost investment.

**Nanopaint - Design your technology**

## Contact Us

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