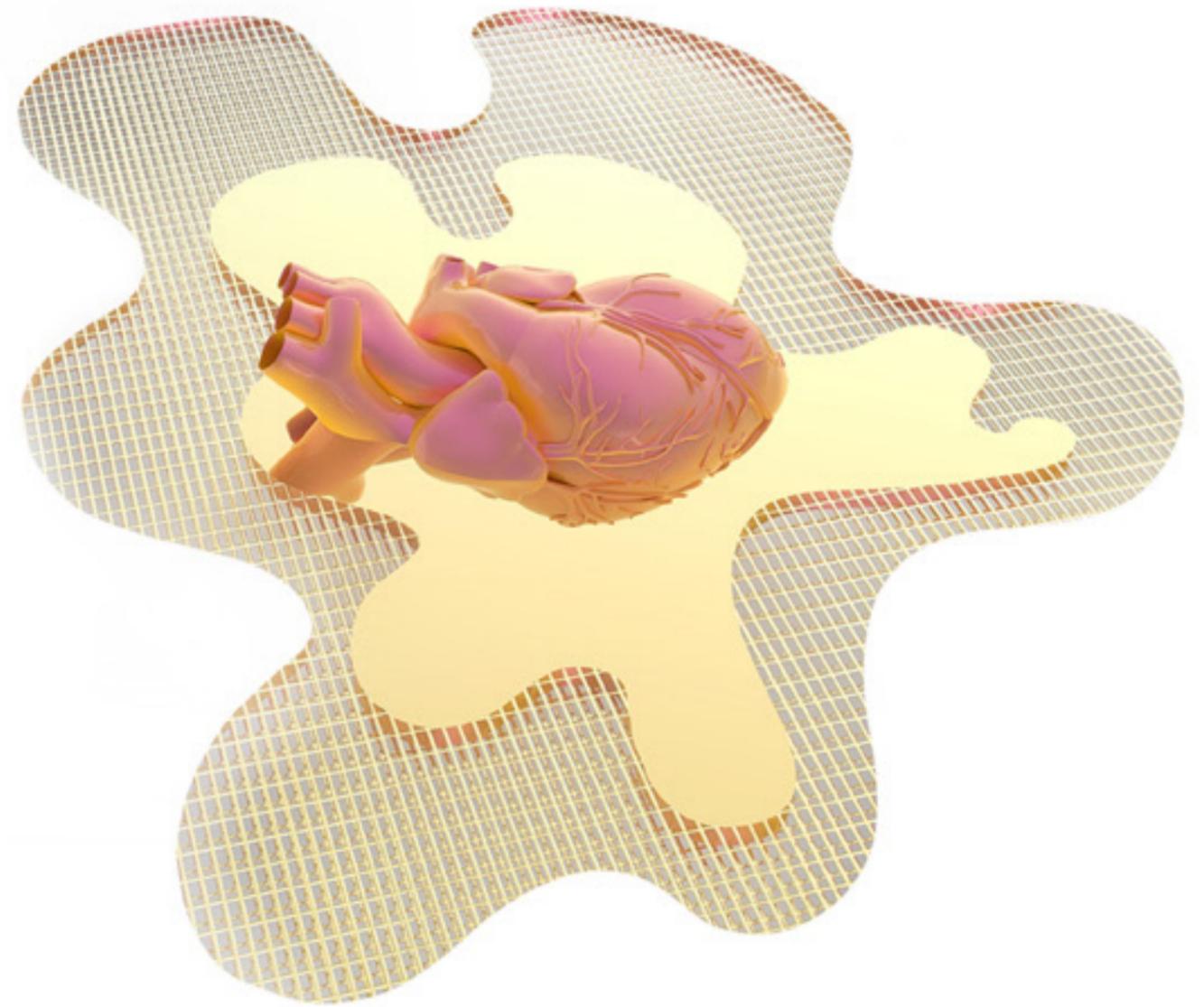


# Second Skin

imagining  
Design  
in 2117

fadinasr



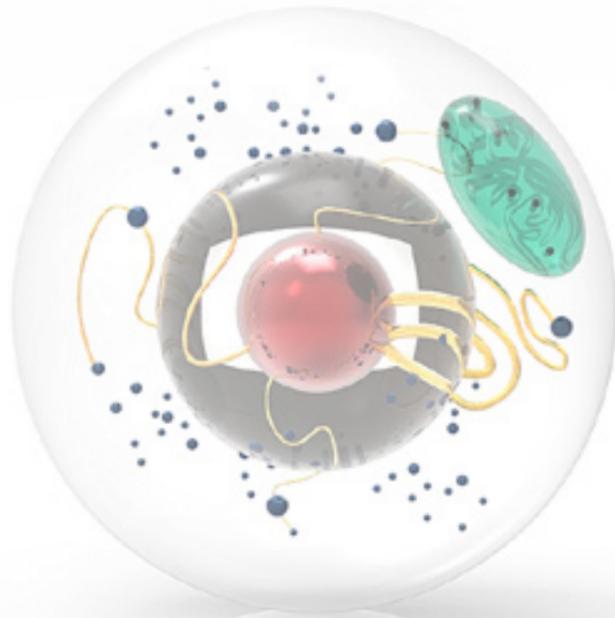


More than a hundred years ago, the Spanish painter Enrique Simonet grabbed the heart of a wasted human beauty with the hand of an old man. He knew that the power and beauty of any human is measured by the time one is granted.

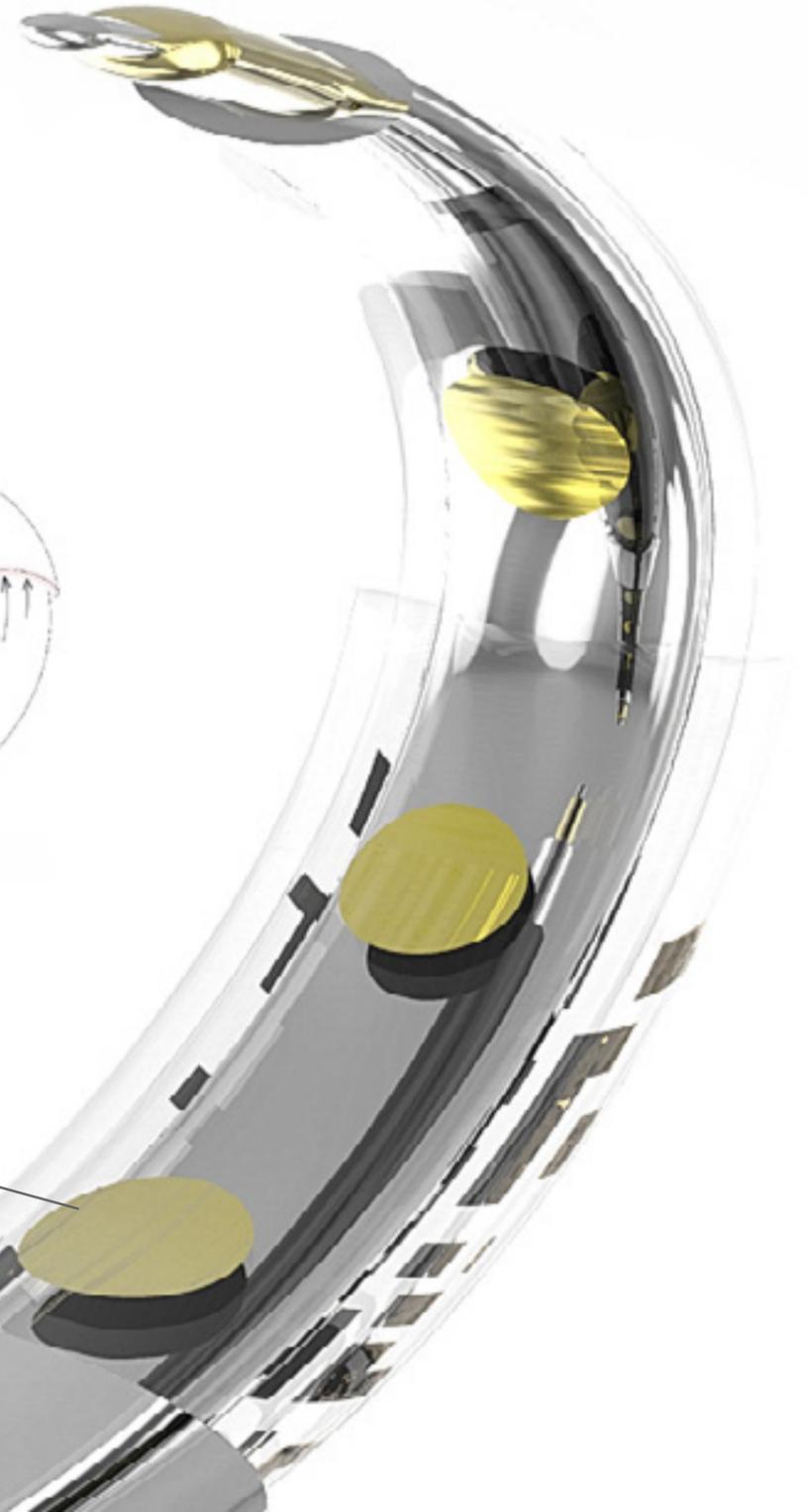
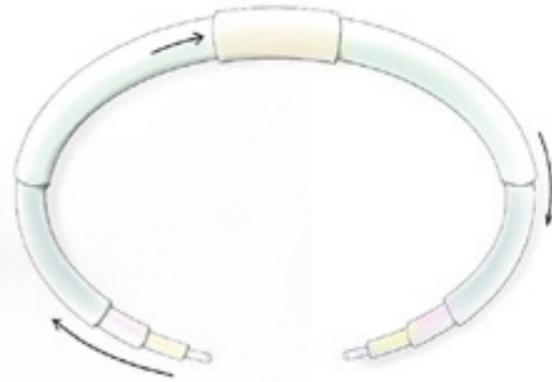
What is the use of time, of design, of our habits and of the world a 100 years from today without us?

It's best to imagine a world where design and any creative language will be taking good care of each one of us.





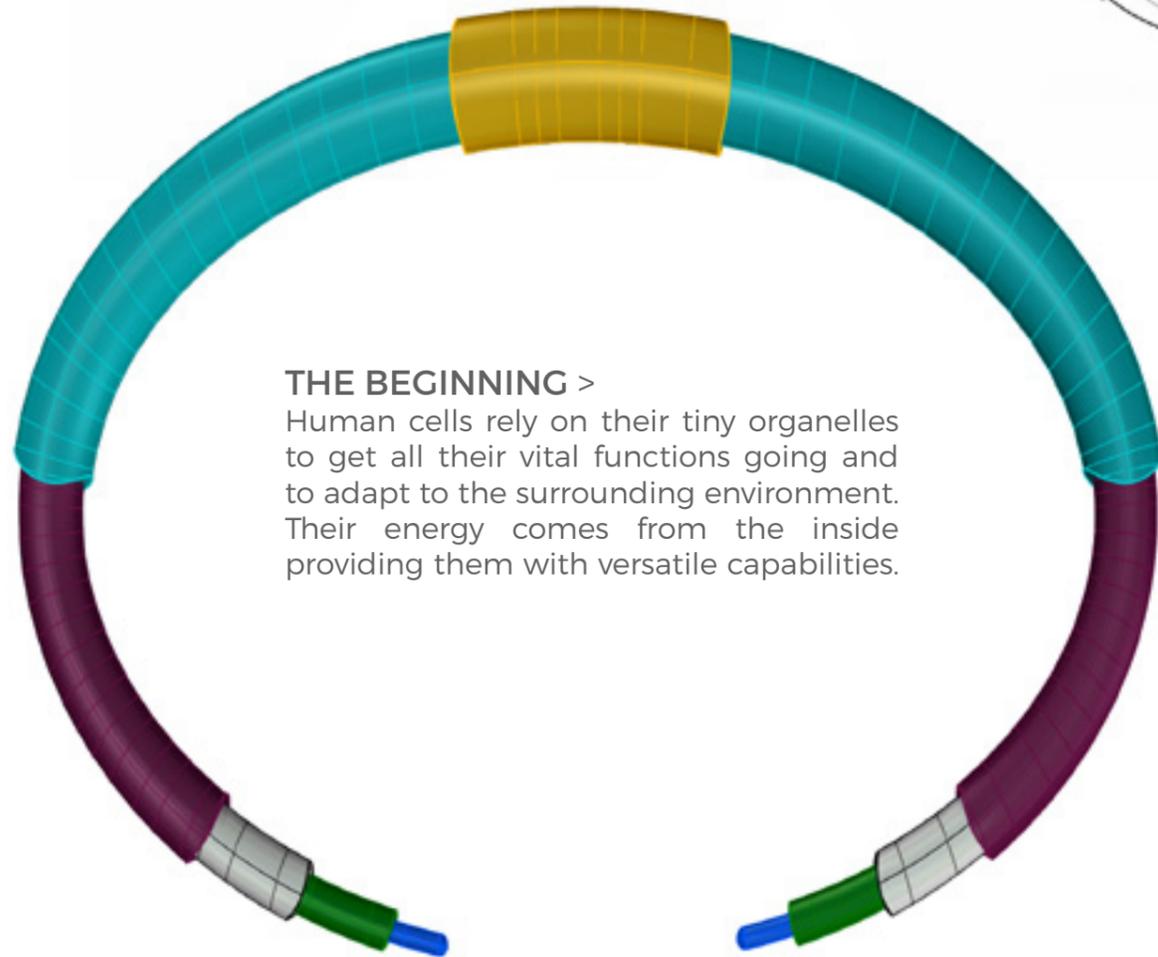
**SECOND SKIN** is a **HEART-POWERED** bracelet which relies on nano-technology to adjust its shape and fulfill our everyday needs. It's provided with inner electrodes to make use of every single heartbeat transforming it all into pure energy just like the mitochondria does to a human cell.



inner electrodes

### THE BEGINNING >

Human cells rely on their tiny organelles to get all their vital functions going and to adapt to the surrounding environment. Their energy comes from the inside providing them with versatile capabilities.

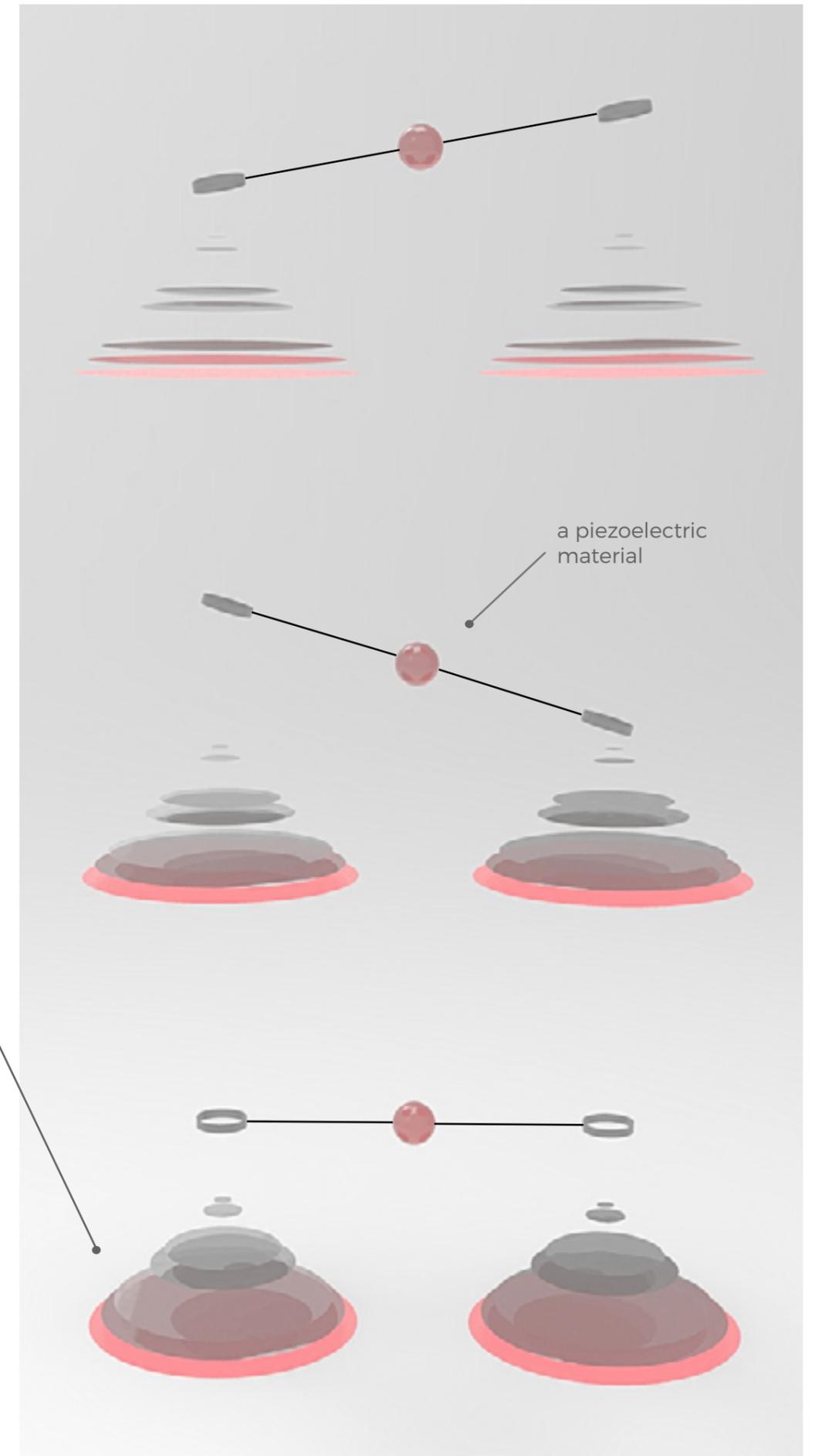
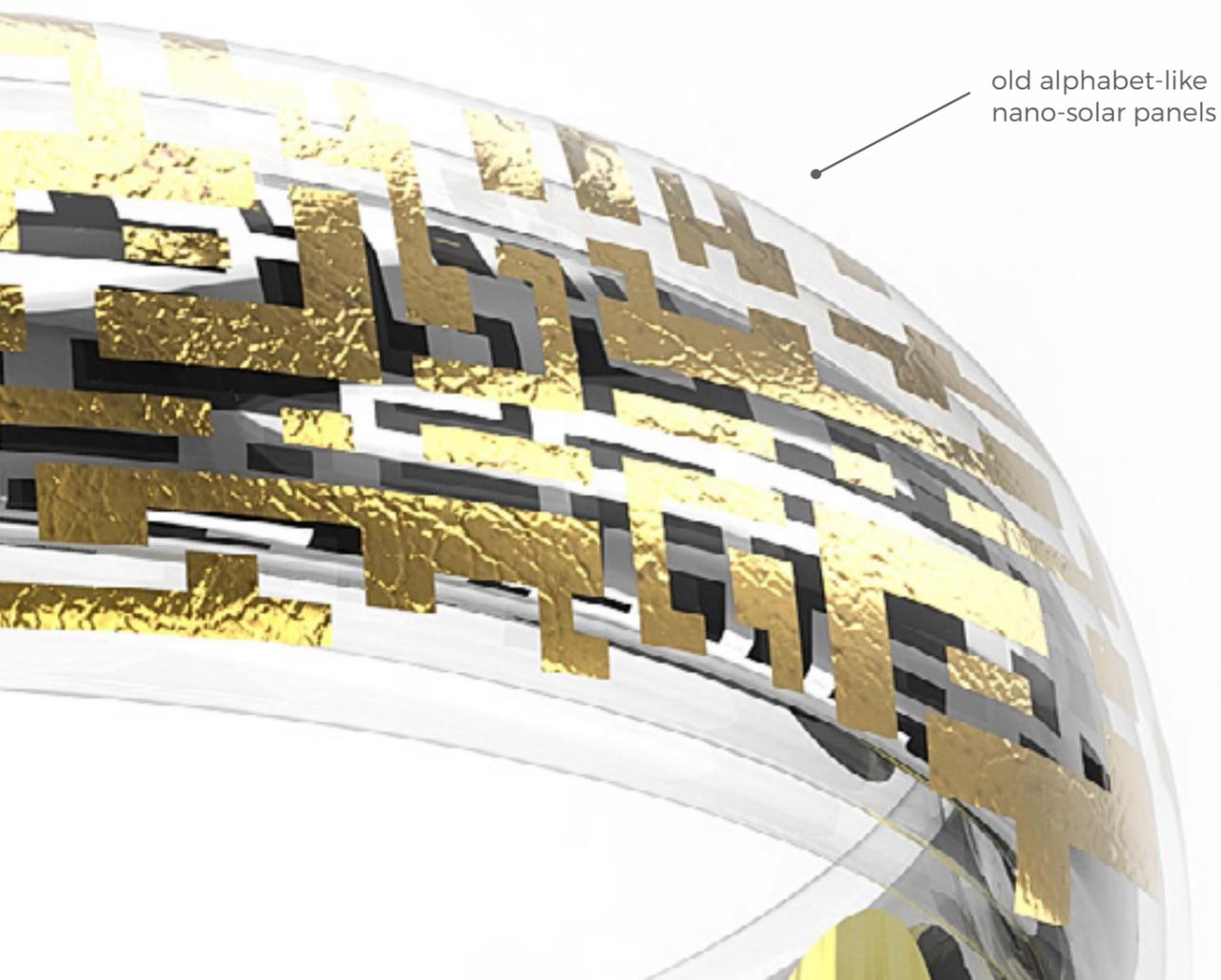


## HOW DOES IT WORK ?

**Piezo** (push from Greek) is an electromechanical device that converts mechanical movements into electrical signals. Piezo devices are created using non-conductive piezoelectric materials, crystals or ceramics. The most well-known is quartz ( $\text{SiO}_2$ ). When a mechanical stress is applied to piezoelectric materials, a voltage is generated or what we call "the piezoelectric effect": thus, the mitochondria concept.

## THE PIEZOELECTRIC CONCEPT

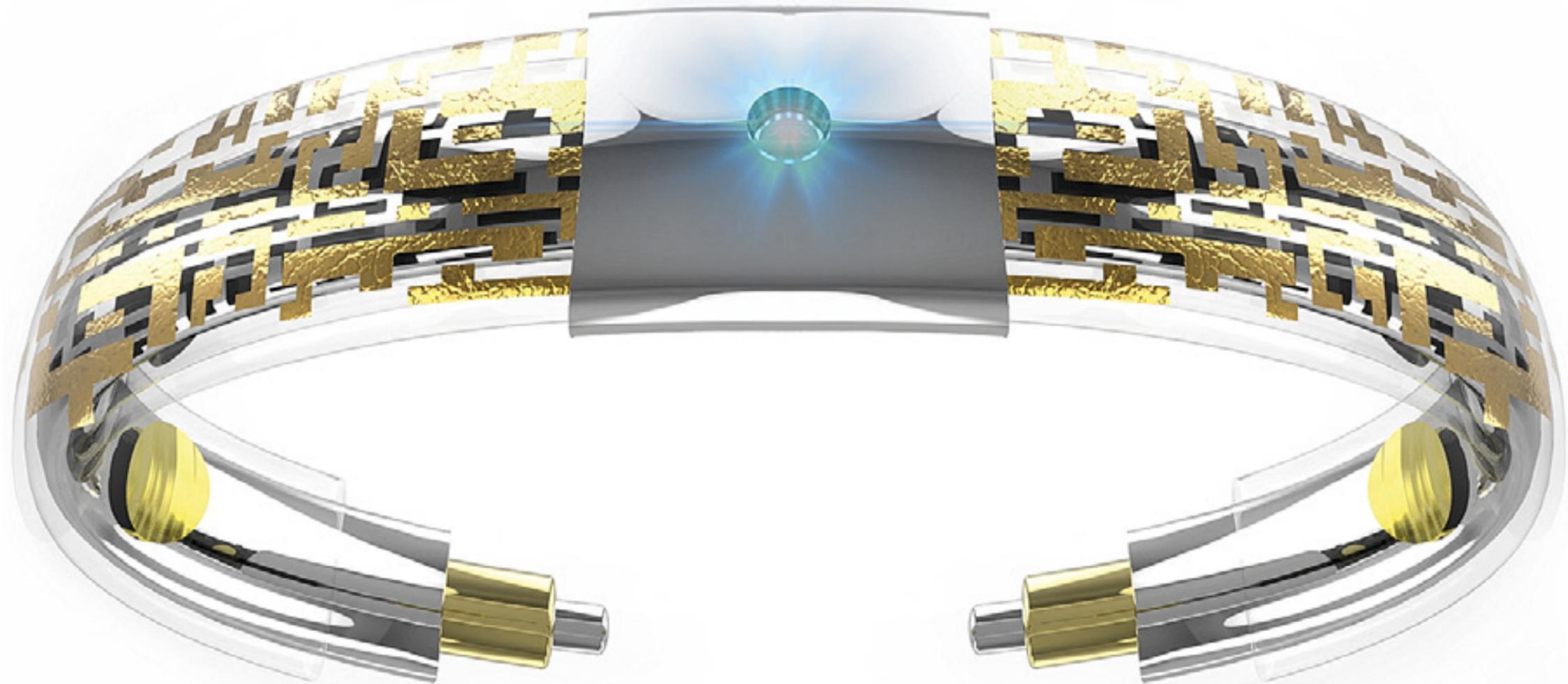
Inner electrodes hiding a hundredth-of-an-inch thin slice of a special "piezoelectric" ceramic material that's able to catch heartbeat vibrations and briefly expand in response. All ambient vibrations will be converted as well into electrical energy charging an inner long-life battery that keeps on retrieving its power even when you go to sleep. Daylight on the other hand is absorbed by alphabet-like panels into extra-energy situated on the top side.



## WHAT IS IT ALL ABOUT ?

**SECOND SKIN** is above all **S A F E T Y** > Each bracelet is equipped with a **GPS** where geologists from the nearest **CORE RESEARCH CENTER** could have access to forward a straight warning to each citizen located within the danger zone through this bracelet. The life saver alarms include not only earthquakes / vulcanos issues but any other form of danger ( tornados, floods, drowning, etc... ). An advanced vocal command system that recognizes the owners voice, including a wide range of commands such as : the holographic setting & ringing of the alarm, reading for people with disabilities / vision impairments, calculations and outstanding accounting operations, the possibility to assist any child with all his homeworks, unlocking / locking your

house / vehicle / doors.. etc . **Vibrations Mode** for people with hearing impairments. **SECOND SKIN** is a continuous **ECG** and personal doctor monitoring your heart rate, blood pressure and temperature. You can even set it to check on your children's and elders' health. In case of any anamalous reading, fever or cardiac arrest a direct emergency call can be sent on your behalf to the nearest medicare center to shorten the rescue times. The bracelet's **resistant** body provides it with an outstanding leability in addition to its anti-shock and water-proof qualities. **Second Skin**, through its GPS tracker, can emit sharp signals to locate missing persons in case of any kind of accident. Your heart will be your **battery** for a better life.



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