

nanomade

Make All Materials Smart



Company overview

Company overview



French Start-up company based in TOULOUSE



14 people



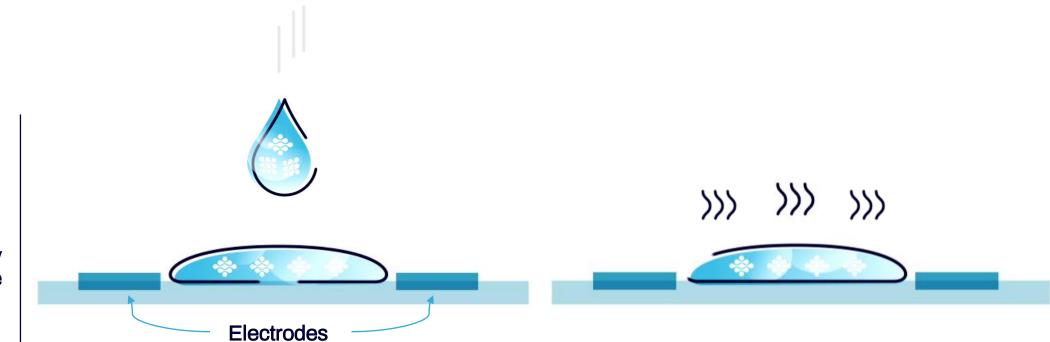
+ 20 patents

42nd most innovative



company 2019 by Forbes





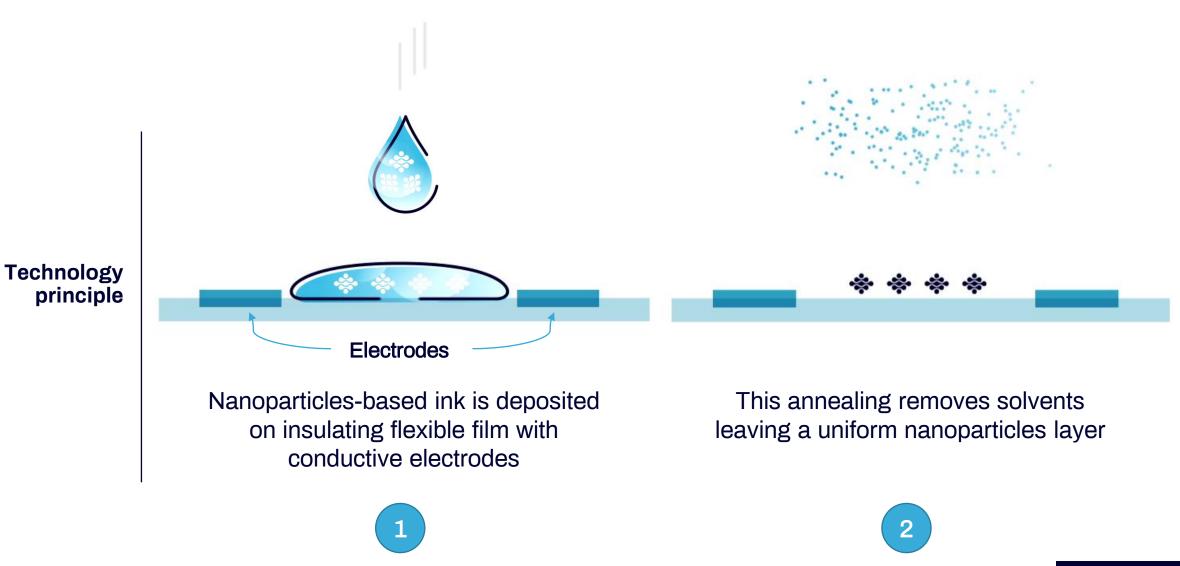
Technology principle

Nanoparticles-based ink is deposited on insulating flexible film with conductive electrodes

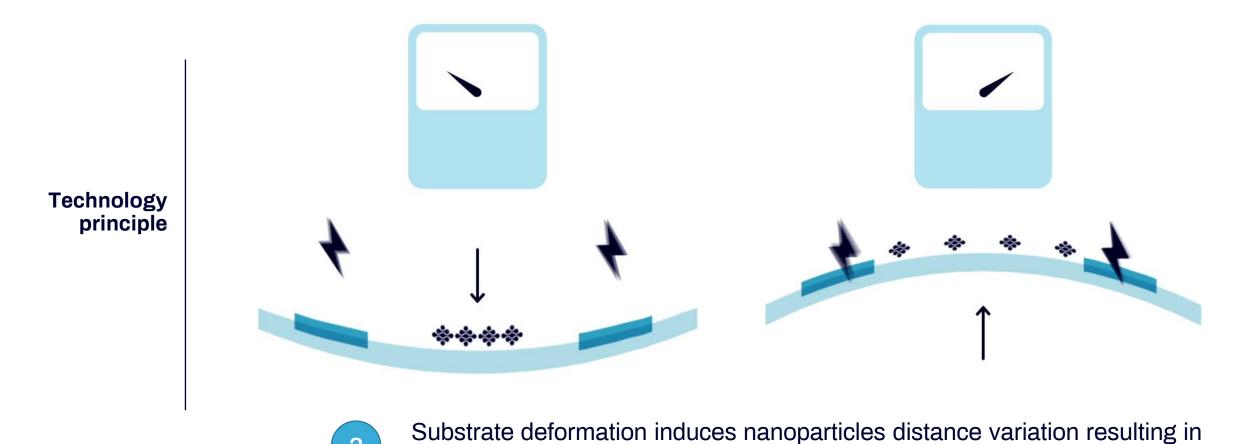
Substrate is then annealed



2







electrical resistance change



4

Sensor is then simply fixed behind any material which is thus turned into a touch & force sensitive interface.

Technology principle





Sensor manufacturing

Substrate design and manufacturing



Simple manufacturing process



Ink Deposition



Encapsulation

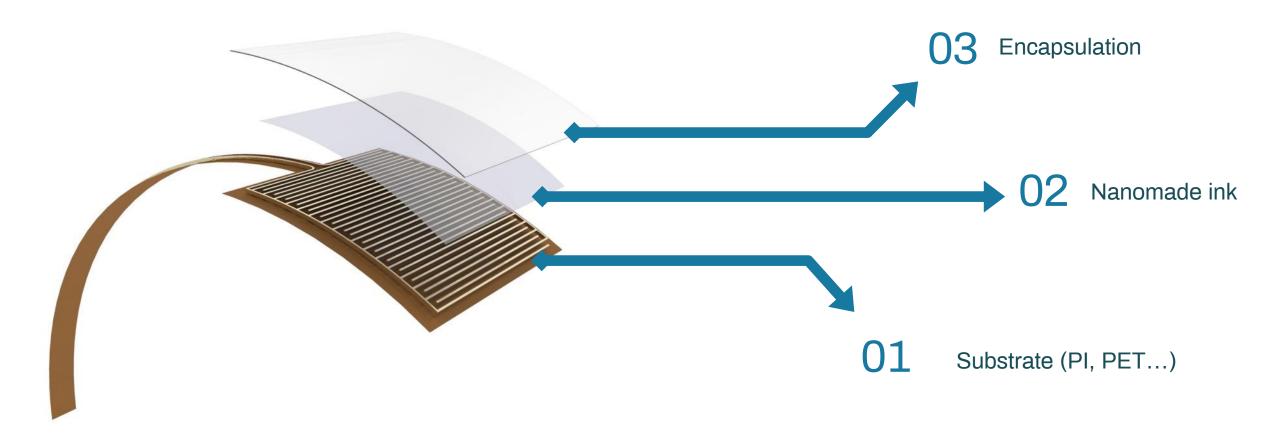
Onsite manufacturing capabilities

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Nanomade Ink

Technology principle

Sensor stack-up

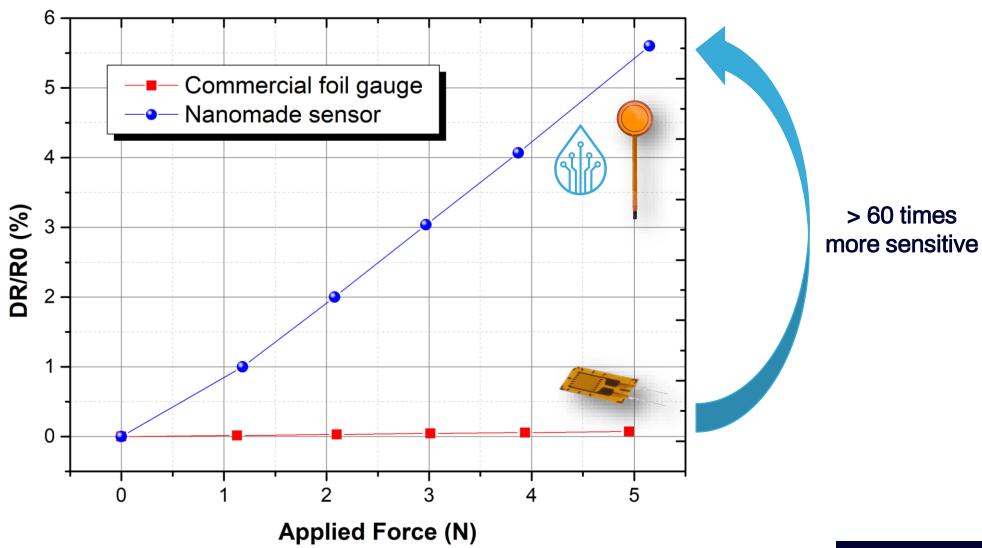


FLEXIBLE - THIN - HIGHLY SENSITIVE



Technology principle







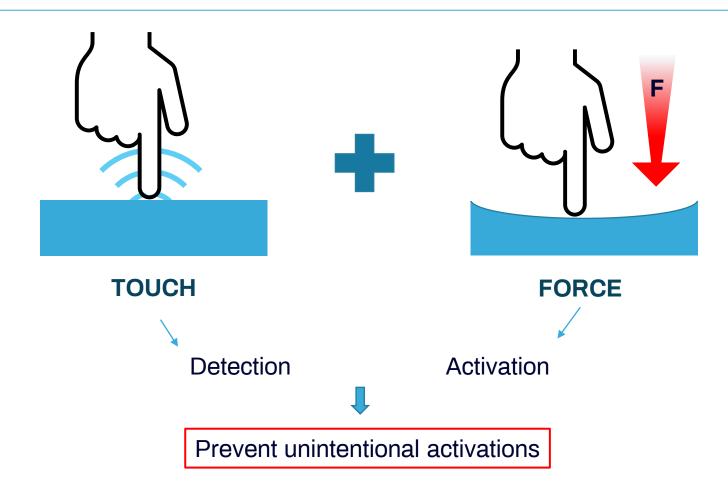


CapaForce© technology

CapaForce© technology principle

COMBINING TOUCH CAPACITIVE AND RESISTIVE STRAIN SENSORS IN THE SAME THIN FLEXIBLE DEVICE

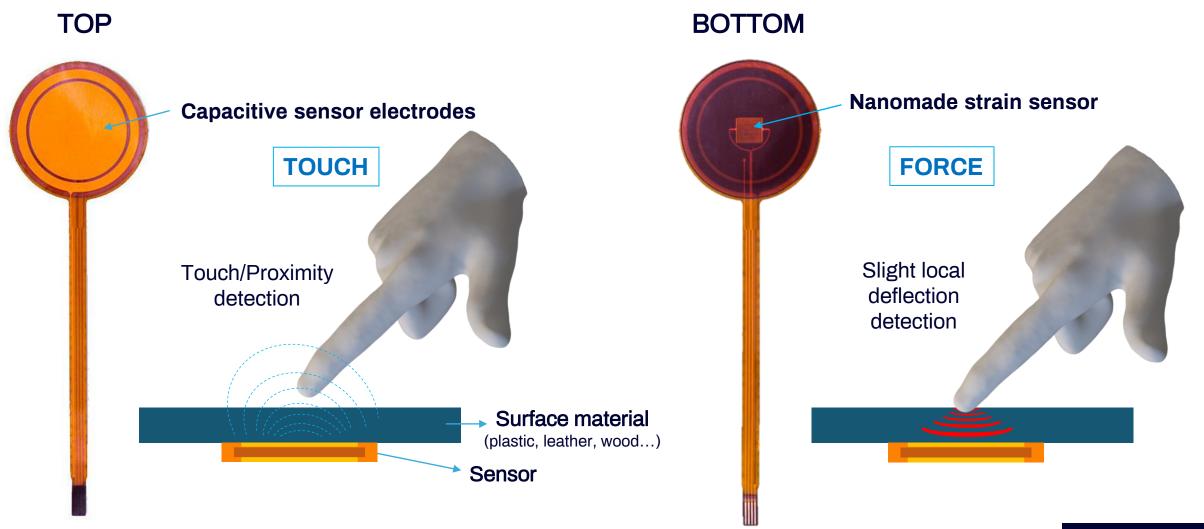
CapaForce®





CapaForce© technology principle

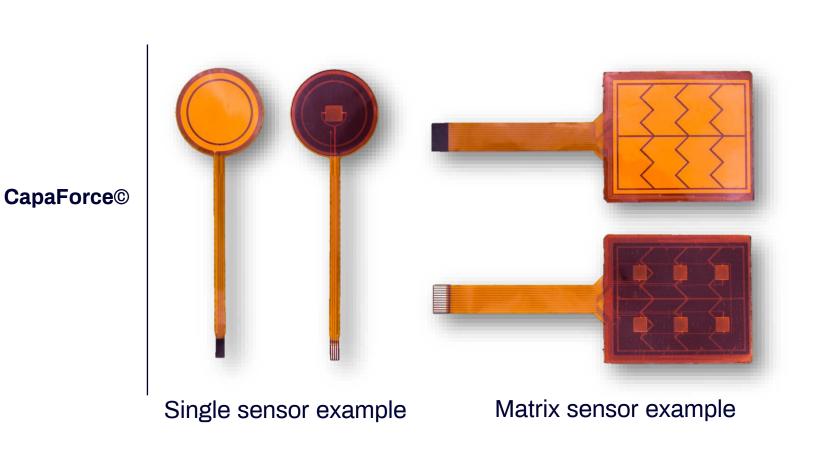






CapaForce© technology principle

CAN WORK AS SINGLE, MATRIX SENSOR, 3D SHAPE





3D shape matrix sensor example

CONFIDENTIAL



Applications examples

Touch and Force sensing for HMI applications



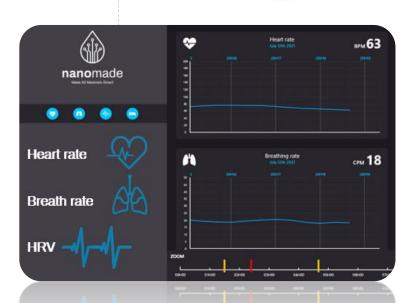


Unobtrusive vitals monitoring

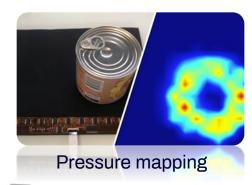
Nanomade strain sensor under foam

Body micro deformations measurement

Signal processing



Force and deformations measurements







In-flight luggage management

Presence and weight estimation

CONFIDENTIAL





WE LOOK FORWARD TO DISCUSSING WITH YOU ABOUT HOW OUR TECHNOLOGY CAN BENEFIT TO YOUR BUSINESS.

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