



SON

Services

The background features a dark blue base with several large, overlapping, organic shapes in a vibrant red color. These shapes are irregular and fluid, creating a modern, abstract pattern. The text is centered horizontally and vertically within the frame.

# OUR SERVICES



# OUR SERVICES • Your needs



## ANALYSES

Your experiences are not correctly reproducible? Do you need to know if this comes from your nanomaterials?



## MOLECULE GRAFTING

Do you need to create a vehicle for your molecules? Do you want to use nanoparticles?



## CONCEPT VALIDATION

You need to carry out a POC (Proof of Concept), but you don't have the elements yet to prove feasibility?



# OUR SERVICES • Your needs



## ANALYSES

We are analyzing the presence and quality of nanoparticles in your products.



## MOLECULE GRAFTING

We graft your molecules (PEG, drugs) onto the surface of our nanoparticles.



## CONCEPT VALIDATION

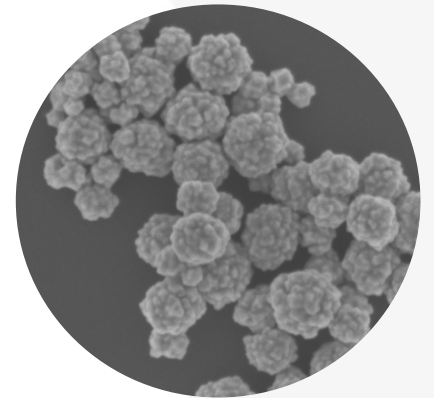
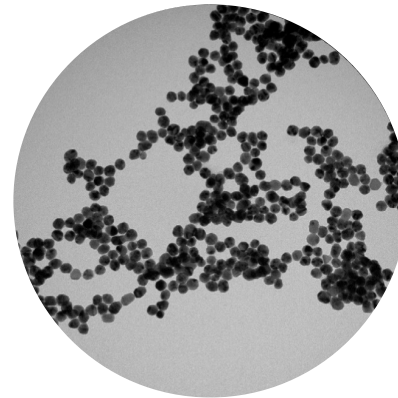
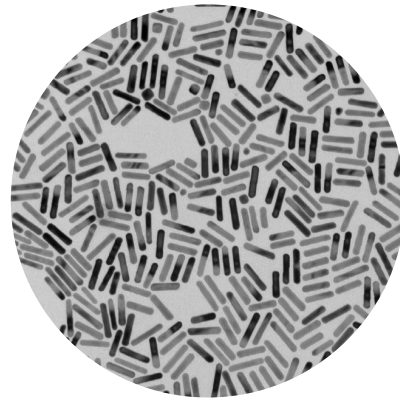
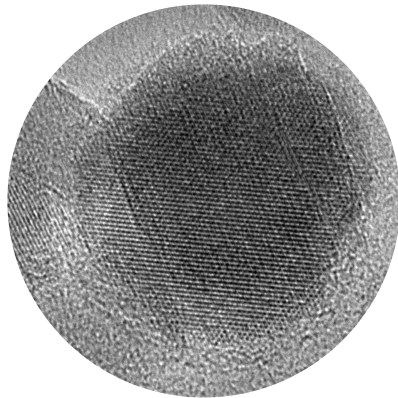
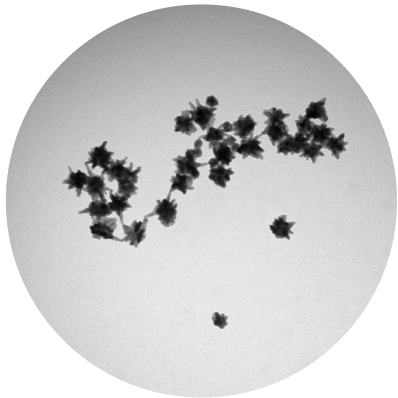
We are conducting a Proof of Concept (POC) with nanoparticles according to your needs.



# Customized development

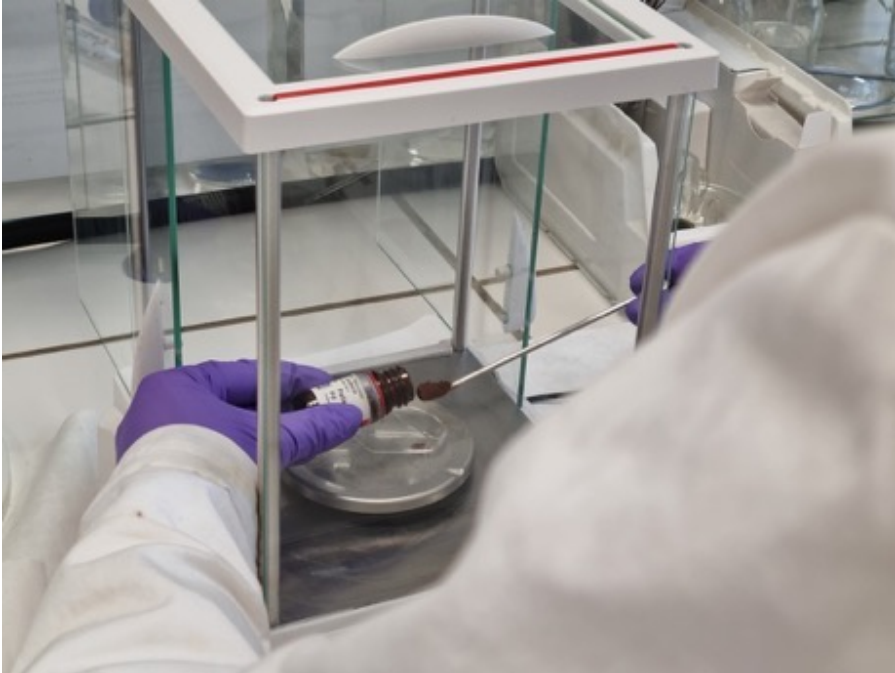
SON designs custom nanomaterials.

Based on your specifications, we design nanoparticles that are 100% tailored to your needs and application.





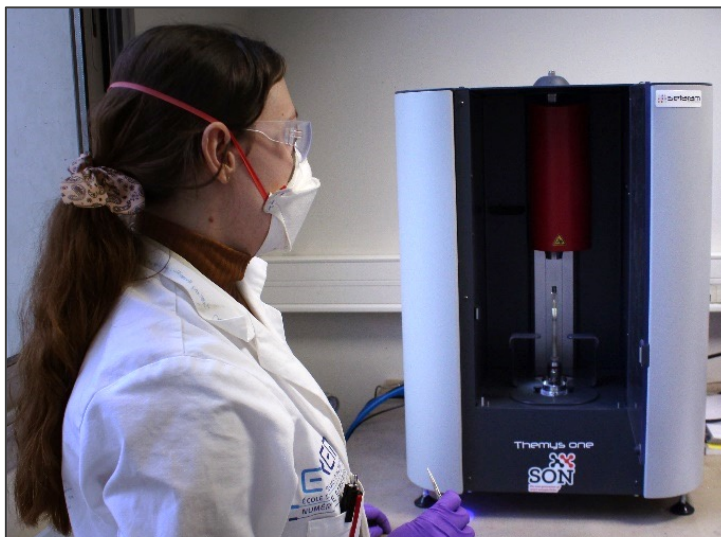
# Analyses



- SON offers numerous solutions for analyzing and characterizing nanoproducts.
- We are able to quickly detect the presence or absence of nanomaterials in a substance.
- We validate the compliance of the nanoparticles provided to you with the expected specifications: composition, size, shape, surface, coverage rate, batch-to-batch similarity. Our precise and detailed analyses ensure flawless results for you.
- Our advanced technical platform allows us to offer solutions tailored to your needs.



# Our technical platform



## Chemical Composition

- **CA:** Chemical analysis, quantification of the element measured (CHNS).
- **X-ray fluorescence:** Mass concentration of elements present.
- **ICP:** Trace analysis of elements present.

## Surface analysis

- **TGA:** Determination of the grafting rate on the surface of the nanomaterial.
- **XPS:** Determination of the atomic concentration and nearest neighbour.
- **ZetaPOTENTIAL:** Analysis of surface charges of NPs and study of colloidal stability of Nps as a function of pH.
- **BET:** Measurement of specific surface area, pore size and pore volume.

## Spectroscopy

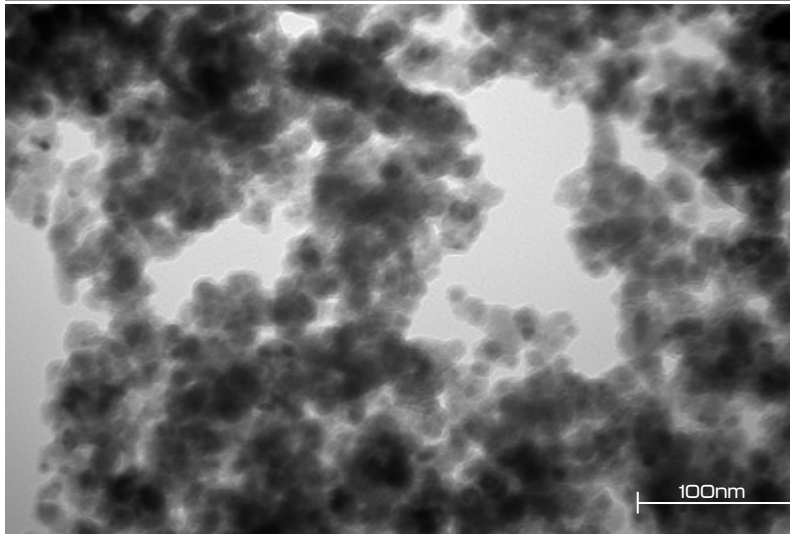
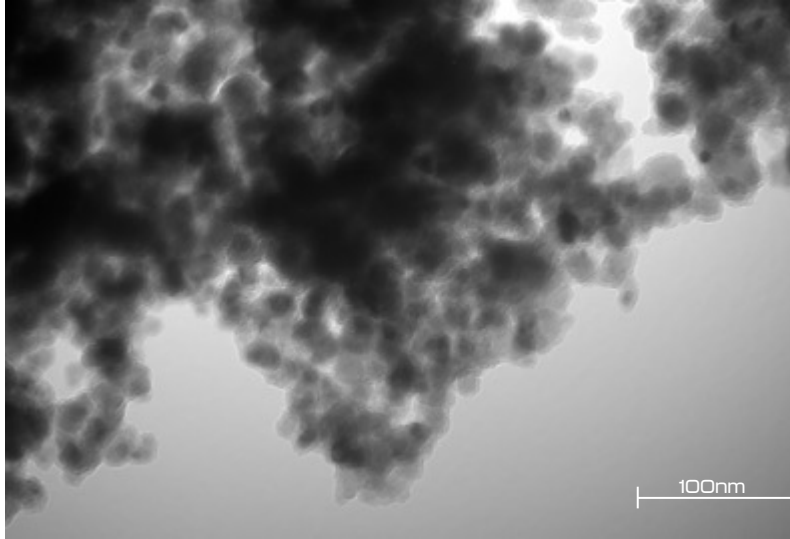
- **IR :** Chemical analysis of a compound
- **UV-Vis :** Determination of the Raman absorption
- **Raman:** Chemical analysis of a compound

## Size analysis

- XRD:** Determination of crystallite size
- SEM:** Scanning Electron Microscopy
- TEM:** Transmission Electron Microscopy
- DLS:** Measurement of hydrodynamic diameter in a liquid.



# Molecule grafting



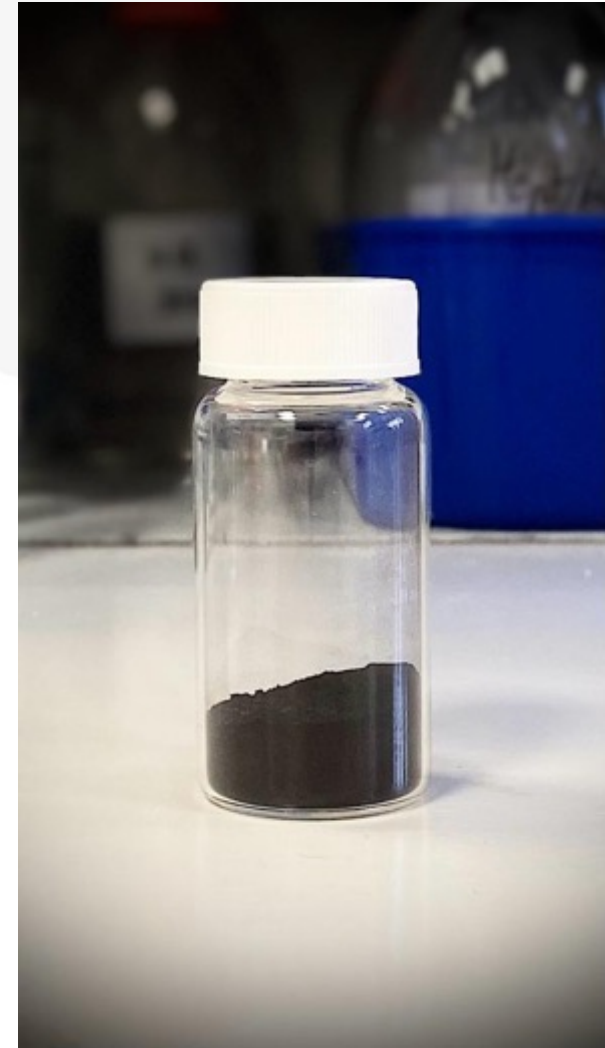
- SON holds a patent on multifunctionalized nanoparticles.
- Thanks to this technology, we can offer world-unique solutions in terms of **molecule grafting**.
- SON can **graft the molecules you need onto the surface** of its advanced nanoparticles. These can be PEGs or treatments.
- This allows you to **quickly validate your hypotheses**.





# Concept Validation

- SON provides its expertise in nanomaterials to help you **validate your concept**.
- Are you a startup founder or leading an innovative project and looking to **validate the feasibility of your project**?
- SON assists you in bringing it to fruition and **achieving your Proof of Concept (POC)**.





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