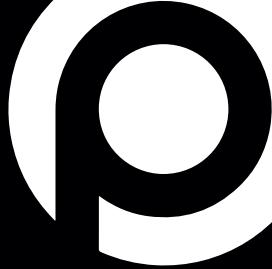


# Shift your limits: turning powder into functional materials



With nano-scale coating on single powder particles, pomodoi transforms powders into high-performance materials.

## problem

### limited functions of powder materials

Powder-based products are often subject to trade-offs because of:

- uncontrolled surfaces (e.g. lipophilic / hydrophobic mismatch)
- instabilities (oxidation, degradation)
- poor integration (inconsistent dispersion)

Current modern coating methods are helpful but are heavily dependent on the material:

- not scalable and expensive
- limited to specific materials
- unable to modify single particles

This results in:

- slow innovation
- no industry scales
- restricted material options

## industrial scale

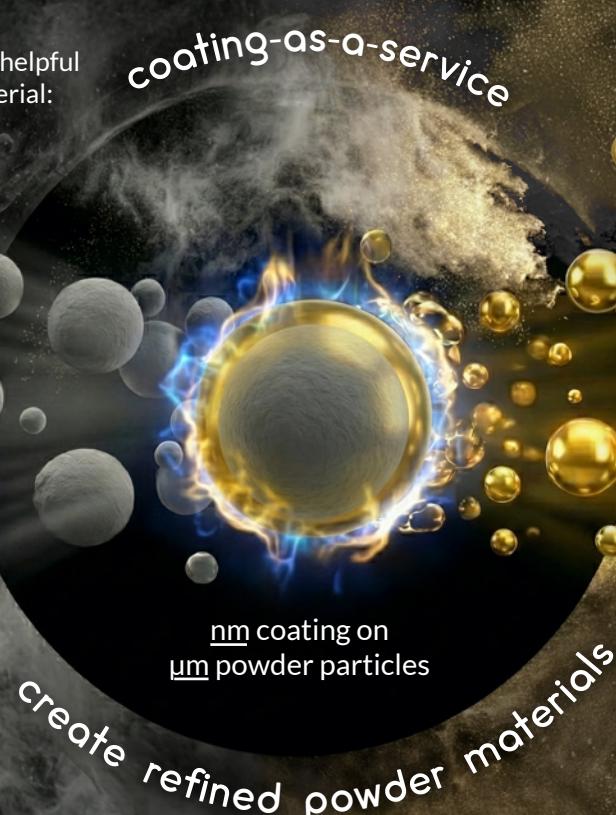
off the shelf → CPC-refined powders



high volume



high volume & high value



## why pomodoi



in-house engineering & simulation



proprietary material science



international patents



integrated analytics

## solution

### Cyclo Particle Coating (CPC)

CPC sets a new industrial standard for powder functionalization through:

- Physical Vapor Deposition (PVD) on powder particles
- vacuum-based coating process for nano-scale functional layer
  - industry-ready process control
  - environmentally friendly / sustainable

## benefits

CPC-refined powder materials deliver:

- lower costs
- reduced environmental footprint
- faster time-to-market
- easier adoption
- proven quality

## applications

Scalable & industry-agnostic powder solutions for various sectors & applications:



battery



fuel cells/H<sub>2</sub>



3d printing



metallurgy



your industry

[www.pomodoi.com](http://www.pomodoi.com)

We are ready  
for your powders.  
Send your samples!