

# NANOFICS\*

- ◆ NANOFICS\* technology refers to a group of nano-scaled functional coatings developed by EUROPLASMA
- ◆ **Nano-scaled functionalization into core of complex shaped materials/products**

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- ◆ The coatings are applied by low pressure plasma polymerisation or atomic layer deposition
- ◆ These coatings are typically thinner than 100nm and add permanent new functionalities to the material
- ◆ NANOFICS\* technology guarantees a uniform coverage of complex three dimensional structures

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## Applications

- ◆ Oleophobic nano-coatings: to improve filter efficiency of electrets filter media, to make filtration membranes super oleophobic (level 8), to prevent cell growth on medical implants, to improve performance of personal protective equipment, ...
- ◆ Super hydrophilic nano-coatings: to improve wettability of culture growth products, blood filter media, battery separators, ...
- ◆ Barrier coatings: to prevent oxidation of metal surfaces, for food packaging materials, ...