



nanomaterials.it

Project Work

***Customized Research&Consulatncy Service
for the development and production of hi-tech products
based on nanostructured materials***

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NANOMATERIALS.IT SRL is a limited company set up in 2009 and situated in San Giuliano Milanese, near Milan. **NANOMATERIALS.IT** embodies the strategic conjugation of Progalvano's experience, a well-known electroplating industry supplier, and Ing. Bestetti's proficiency acquired in nanotechnologies and surface treatments field.

Over the last decades, major advances in research and technology have made been possible thanks to the successful development of self-organized nanoscale materials. For this reason **NANOMATERIALS.IT** applies to researchers, professionals, high-brows, partners, enterprises particularly interested in hi-tech materials.

Our *mission* is to develop nanostructured materials and surfaces, produced by electrochemical methods, in order to provide innovative applications in technologically advanced fields.

More specifically, **NANOMATERIALS.IT** focuses in the development, the production, and the commercialization of porous nanostructures such as:

- *templates and membranes of nanoporous anodic Alumina and Titania,*
- *nanowires,*
- *nanopowders.*

Our products can be employed for a variety of industriousness in photonic, microfluidic, photocatalysis, energy, sensing and biomedical fields.

NANOMATERIALS.IT also provides its customers with a Research & Consultancy service by which it is possible to elaborate specific project works about the advancement of new technologies dealing with nanomaterials, always starting from the analysis of state-of-the-art studies. Such an activity comprises the following services:

1) DRAWING UP OF A PROJECT WORK:

Aim of the activity:

To plan the study of the product/object and identify the best industrial application.

Such a preliminary study allows us to get to an object to be employed in the research that present (presenting) the best chemical-physical-geometrical features. This way of proceeding will enable us to make, from/since the beginning), the check phase focused on a properly dimensioned process. Moreover it will reduced the testing time and it will provide useful information about the feasibility of the project itself or the industrial practicality.

Output:

Written report as final document/result of the project work activity; sampling and possible industrial process development.

Steps/Stages:

- Data-gathering about the state of the art
- Arrangement of the information acquired by the existing/known scientific literature
- Study on the technical and economical feasibility of the project
- Analysis of the best times/methods and materials/dimensions
- Planning and realization of a sampling
- Definition of the industrial process

Note:

This phase is aimed at elaborating on the ideas chosen for developing the project. The possible acceptance of the project work service doesn't imply any obligation-bind of the customer to proceed with the supply of the new product.

2) TESTING AND FIRST SUPPLY OF THE SAMPLE CREATED:

Aim of the activity:

To shift/transfer the sample from the testing ground to the manufacturing one, throughout the production of a first series of new products to be experimented in order to evaluate the real/actual operational features. Moreover this stage shows the cost increase esteemed in this passage towards the industrial ground. Our eventual and continuous supply of the final product will be certified and also regulated by a contract. According to this solution, the supply will be integrated by a specific plant or technical devices dedicated for this large scale treatment/production.

Output:

A document certifying the validità of the product/treatment offered. A contract for the technical assistance service valid for the first months.

Step/stages:

- Optimization of the industrial process and quality control
- Implementation and release of the
- First mass-supply according to specific conditions arranged about the product/treatment itself
- Technical assistance service and possibility of improving the product/treatment or the process.