



NewSkin Open Innovation Test Bed

Water related technologies



Calling **start-ups, SMEs, research labs** and **industry** in the field of water related technologies. **Open Access to unique facilities to upscale or test surface functionality** of your water technology surface through nanotechnologies. For specialists in areas including: filtration membranes, pumps, graphene, anti-corrosion, anti-biofouling, marine transport, aquaculture, desalination equipment.

NewSkin water related services offered include:

- **Nano-carbon on polymer technology:** creating pores into these layers and characterization of the media. Sheet to sheet process.
- **Texturing and Functionalisation of filtration Membranes for Improved Anti-fouling Resistance and Selectivity.**
- **Texturing and Coating of Water Treatment Equipment Components for Improved Performance.**
- **Components in maritime engines and centrifugal pumps: propeller and nozzle systems:** anti-fouling, cavitation prevention and improved drag texture, coatings to increase wear resistance, and for low friction under vacuum and cryogenic temperatures.
- **Characterisation and Prototype performance testing – replicating real industrial and operation environment conditions:** cavitation and towing tank, centrifugal pumps, membranes in real wastewater mimicking streams.
- **Continuous Production of Graphene, CNT, Graphene Oxide and other nano-particles Membranes**
(available from Open Call 3).

platform.newskin-oitb.eu

Unique chance to make use of state-of-the-art upscaling and testing services for water related technologies!

NewSkin is a Horizon 2020 funded Open Innovation Test Bed (OITB), which supports the development and market acceleration of new surface and membrane functionalisation by nanotechnologies, generating a wide range of enhanced surface properties for commercial and personal products in different sectors.

NewSkin offers open access to facilities for adding, upscaling, characterising and/or accelerated testing of, advanced high performance surface functionality (such as hydrophobicity, anti-fouling, anti-reflecting, auto-cleaning, anti-corrosive, anti-icing, hard wearing, anti-friction, lubricating) **to your surface** (e.g., steel, filtration membranes, ceramics, marine transport, PV panels, wind-turbines, dynamic components, seals) **through nanotechnologies** (e.g., nano-coatings, nano-structuring, laser texturing, graphene).

NewSkin services include **access to 10 upscaling and 9 testing facilities, and route to market services** (including Life Cycle Analysis, nano safety assessment, business planning, and networking).

Services are available by contract as well as via 4 Open Calls (providing ~100 successful applicants with **free access**).

Open Calls are closed. Enquire now to gain access to NewSkin services.

NEWSKIN OITB ACCESS PROCESS

- Make an initial enquiry, and discuss the services for your potential application by contacting info@NewSkin-OITB.eu
- Agree on service parameters with the service team, in follow-up meeting.

**Clients can request an NDA before the initial discussions.*

CONTACT US

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