



NewSkin Open Innovation Test Bed

Steel related technologies



Calling start-ups, SMEs, research labs and industry in the field of steel related technologies. Open Access to unique facilities to upscale or test surface functionality of your steel technology surface through nanotechnologies. For specialists including high performance and functional coatings, nano-enabled components for process equipment, wear corrosion and fire protection, nano-enabled surfaces for energy generation and others.

NewSkin steel related services offered include:

- **High performance coatings:** For fatigue-corrosion resistance, durable fire resistance, anti-icing, anti-fouling.
- **Functional finishes for envelops and partitions:** Heat reflective, heating surfaces, anti-bacterial, photo-catalytic and V.O.C's mitigation.
- **Efficient nano-enabled membranes:** For efficient treatment of process steel and steel re-use in steel production.
- **Testing of components in harsh industrial conditions and environments:** Large Climatic Icing Testing, ring flange connections under corrosion-fatigue, off-shore lab, testing at extreme pressures and temperatures and in the presence of chemicals.
- **High performance coatings and textures for efficient equipment components:** Increased wear performance, reduced friction and heat generation, cavitation, fouling and corrosion prevention, high temperature metallic filters for machining operations and processes equipment including pumping and filtration systems.
- **Technology scouting:** to overcome current challenges in the steel industry.

platform.newskin-oitb.eu

Unique chance to make use of state-of-the-art upscaling and testing services for steel 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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