

BIOMAC (Biobased Nanomaterials Community) is a Horizon2020 project which has established an Open Innovation Test Bed (OITB).

The **BIOMAC OITB** is a collaborative ecosystem where technologies and solutions utilising biobased nanocomposites are tested, developed and prepared for market applications.

The **OITB** provides open access to SMEs via a single-entry point.

By 2023, the OITB ecosystem was validated with five test cases.



Automotive



Agriculture



Food packaging



Construction



Printed electronics



www.biomac-oitb.eu/



Contact us! 

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The project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No. 952941



**Materials
for the
future**

OPEN INNOVATION TEST BED (OITB)

The BIOMAC OITB offers tailor-made solutions for the development and upscaling novel nano-enabled bio-based materials.

SMEs can access the 17 Pilot lines, divided in three main clusters:

- Biomass fractionation and pre-treatment
- Intermediate materials and Nanocomposites clusters
- Final products and formulation cluster

Besides the Pilot Lines, BIOMAC offers a wide range of complementary services:

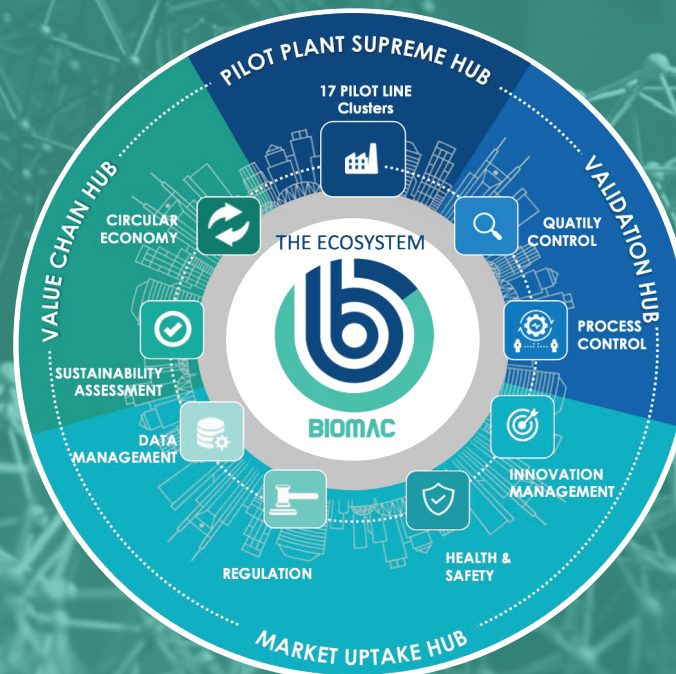
Quality control & Characterization
Standardization
Process Validation – Modelling

Sustainability assessment
Value chain assessment
Circular economy

Innovation management
Health and safety
Standardization and regulation
Data management

BIOMAC will function as a **one-stop-shop** accessible at fair conditions and costs through a single-entry point, represented by IBB GmbH.

The **ambition** of **BIOMAC** is to **boost and sustain innovation** in the field of **European bio-economy industries**.



During its first three years of activities, BIOMAC has upgraded its 17 Pilot lines and successfully validated them by upscaling 5 products in the following sectors.

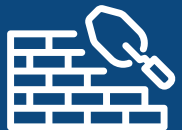
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