

Converting Facilities Network for accelerating uptake of climate neutral materials in innovative products – Convert2Green

Convert2Green

PROJECT DESCRIPTION:

Convert2Green will establish an Open Innovation Test Bed (OITB) that enables material suppliers to integrate their innovative, circular and carbon neutral material solutions to the European Key Value Chains: Green Autonomous Vehicles; Smart Health; Industrial IoT; Low Carbon Industry and Clean Energy.

Convert2Green will provide innovative material suppliers with new business opportunities in these value chains and will complement the European Open Innovation Ecosystem with services not present in any OITB by now.

PROJECT OBJECTIVE:

The Convert2Green objective is to establish by 2025 a sustainable Open Innovation Ecosystem that provides access to technical facilities and specialized business services for accelerating market entry of novel circular and carbon neutral materials to EU key value chains.

With our services you will bring your material innovation to the European Key Value Chains 30% faster and cheaper while creating eco-friendly products made in Europe.

Core Competencies & Services



Smart Textile Rapid Prototyping
(using eco-friendly materials)



Eco- and human toxicity analysis of novel materials



Processing and recycling of plastics



Recover critical raw materials from waste



Nanopowders, -pellets and -fibers
(from bio- and recycled materials)



Social, economical, and ecological Life Cycle Analysis



Flexible Electronics processing
(based on recycled and bio-plastics)



Intellectual Property, Business-Planning and Market Deployment for „green“ materials

Figure 1 Convert2Green Concept



PROJECT FACTS

Start date:

01/01/2023

End date:

31/12/2025

Duration in months:

36

Project budget:

€12,470,685.00

EU contribution:

€11,383,136.63

HORIZON Innovation Actions

Grant

Agreement: **101092347**

Call:

HORIZON-CL4-2022-RESILIENCE-01-20

Topic: Services for testing, financing, and realizing new product ideas and innovations.

Keywords:

Open Innovation Test Bed
Sustainable materials
Key Value Chains
Single Entry Point
Business opportunities
Open Call

The Convert2Green OITB is ready to support the client at **any point in the innovation chain from Technology Readiness Level 4 and higher** with an integrated technological, business development and verification/pre-certification service portfolio that helps the client to progress quickly through the innovation chain.

TARGET MARKETS:



Figure 2 Convert2Green target markets

The Convert2Green OITB will **satisfy the needs of innovative start-ups, SMEs, and large enterprises to test and validate their product idea and prototypes, material or nano-surface treatment processes and technologies both in lab and in a relevant and operational environment.**

The OITB services can be demanded through an **independent Single-Entry Point** with multiple regional front offices, which will guarantee the profitability and sustainability for the OITB in the long term.

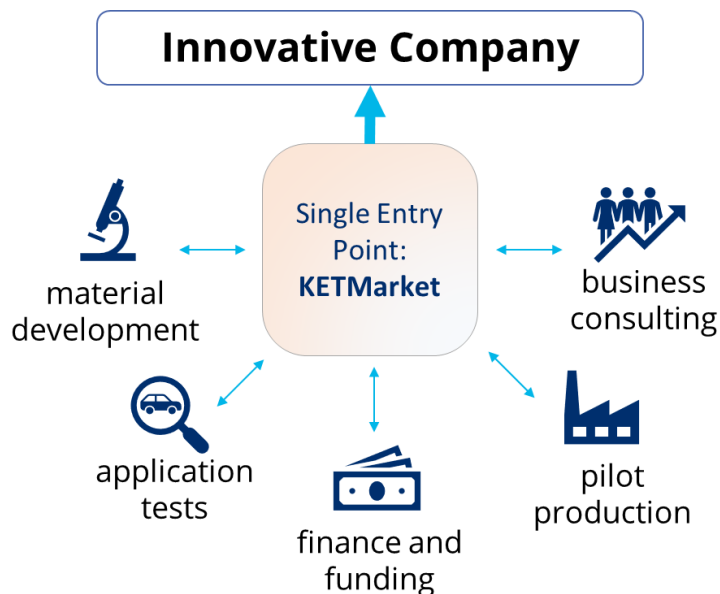


Figure 3 Convert2Green Single Entry Point services

The project partners create a network of experts made of Universities, Research organisations, SMEs, and Industrial Leaders whilst together they represent dedicated brand and legal entity providing technical facilities, business and IP services and build and re-use knowledge.

Consortium:

NTUA	GR
FHG	DE
VTT	FI
INL	PT
TITV	DE
ICCRAM	ES
DIGNITY	GR
STAM	IT
KET	DE
ABIMI	CZ
ICP	IRE
CRF	IT
BIO	ES
INTRA	LUX
ENFU	FIN
SYK	DE
POLI	PT

<https://convert2green.eu/partners/>

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