

Interregional partnership for Smart Specialisation on HIGH PERFORMANCE PRODUCTION THROUGH 3D-PRINTING

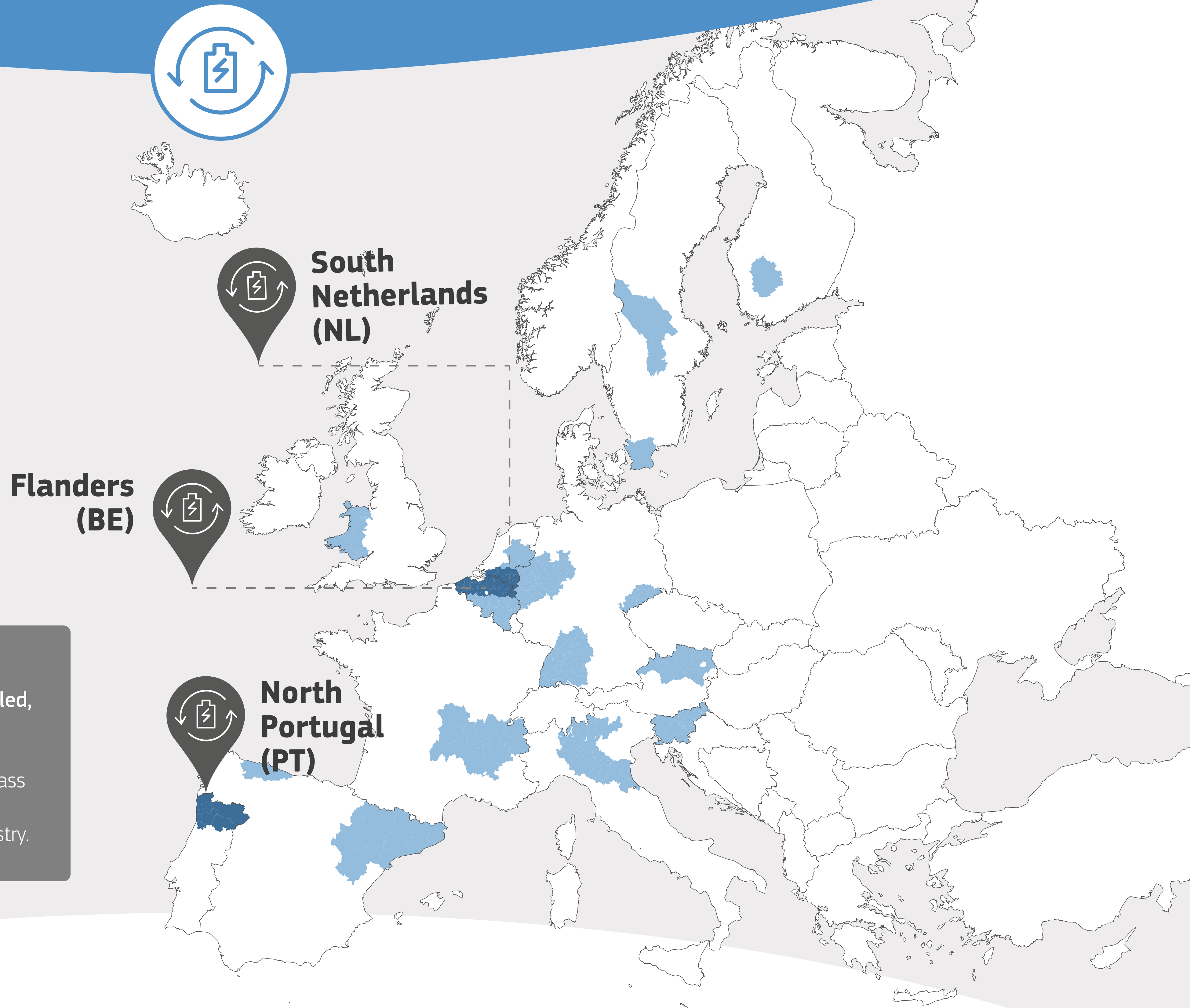


Leaders

Led by **South Netherlands (NL)**, **Flanders (BE)** and **North Portugal (PT)**, the partnership engages the participation of

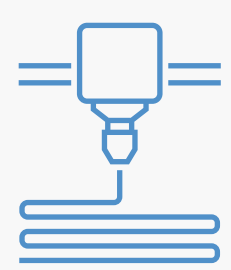
25 REGIONS AND MEMBER STATES

The main objective of the partnership is to accelerate market uptake of 3DP applications through development of **industry-led, transregional demonstration platforms that connect 3DP capabilities**. Beyond connecting existing capabilities, the partnership will facilitate co-investment by reaching critical mass needed to ensure the availability of services, equipment and infrastructures that will effectively serve the needs of the industry.

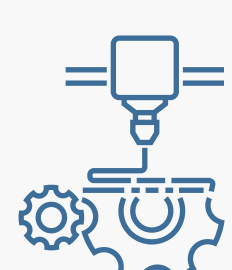


Reference topics

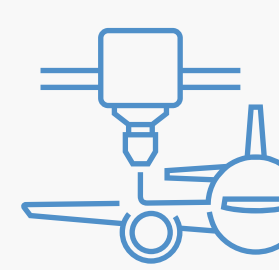
3D-printed hybrid components



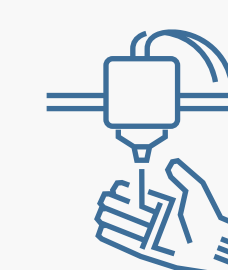
Additive-subtractive Platform: high precision & high finish production



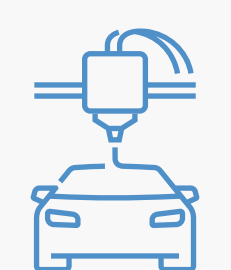
Machinery, tooling and complex shapes



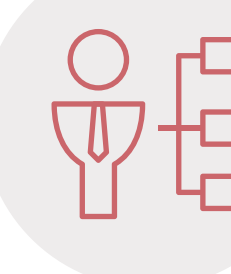
3D-printed customised components for orthosis, exoskeleton and exoprosthesis



3D-printed automotive components (mono-material) for large (>2500 mm), medium and small complex parts



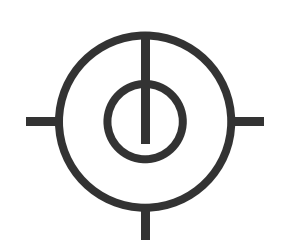
Risk and certification



Skills and training networks



Business models and funding solutions



Key factors

- 1. Modernisation and upgrading of existing manufacturing processes and products**
3D-printing offers breakthrough innovation and competitiveness opportunities in a variety of industrial sectors allowing for, among others, the weight and cost reductions of parts and products.
- 2. New products, services and value chains**
Based on the limitless and mass-customisation of 3D-printing solutions, the development of new products, services and value chains (e.g. the production of customised exoprostheses) is facilitated.
- 3. Solutions for key societal challenges**
3D-printing provides direct innovative solutions to address, among others, the following societal challenges: health, demographic change and wellbeing (e.g. body parts replacement), circular economy, resource efficiency and raw materials.

