

Consortium

ANEMOS brings together 11 partners from six European countries, combining expertise from academia, research, industry, business innovation and standardisation to advance sustainable wind energy manufacturing.

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ANEMOS Project



Accelerating the future of sustainable wind energy manufacturing

Automated and sustainable digital manufacturing for resilient and integrated wind energy systems



This project has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101269212.



Why ANEMOS?

ANEMOS is a Horizon Europe project transforming wind turbine manufacturing through automation, digitalisation, and sustainable production. The project aims to develop innovative solutions to enable faster, safer, and more resilient wind energy manufacturing.

The Challenge

Europe's wind sector must rapidly increase manufacturing capacity to meet growing renewable energy demand. However, current production methods remain labour-intensive, resource-intensive, and difficult to scale.

Manufacturers face challenges including:

- Increasing production capacity
- Reducing costs
- Lowering emissions
- Improve worker health and safety
- Reducing material waste
- Supporting Europe's energy transition

ANEMOS Solution

ANEMOS is developing **innovative automated, digital, and circular manufacturing** solutions for wind turbine components. Through **robotics, additive manufacturing**, and **resource-efficient** processes, the project will create safer workplaces and foster more cost-competitive, sustainable, and resilient wind energy production across Europe.

Project Overview

11

Partners

6

Countries

42

Months

€6m

Funding

Project Impacts



Energy Security

Increasing manufacturing capacity for Europe's energy transition



Sustainable Manufacturing

Reducing emissions, waste, and resource consumption through circular production.



Industrial Competitiveness

Increasing productivity, reducing costs, and strengthening Europe's wind manufacturing value chain.



Health & Safety

Reducing manual handling through automation to create safer workplaces.