



# Penelope

CLOSED-LOOP DIGITAL PIPELINE

**Closed-loop digital pipeline for a flexible and modular manufacturing of large components**

**INDUSTRIAL LEADERSHIP**

Leadership in enabling and industrial technologies - Advanced manufacturing and processing

Grant Agreement n° 958303

## **Frequently Asked Questions (FAQ)**

**Early Adopters Programme**

Submission of applications starts: 06.05.2024 10:00, Brussels time

Submission deadline: 21.06.2024 23:00, Brussels time

Version 24/04/2024

## Table of contents

<b>Table of contents</b>		<b>2</b>
<b>1 What is PENELOPE?</b>		<b>3</b>
<b>2 Who can apply?</b>		<b>3</b>
<b>3 Can I submit my application if my company is not yet established?</b>		<b>4</b>
<b>4 What could be a perfect candidate for PENELOPE?</b>		<b>4</b>
<b>5 What happens if I do not submit my application within the deadline?</b>		<b>4</b>
<b>6 How long does it take to fill in the application?</b>		<b>5</b>
<b>7 Will I be able to modify my proposal after submission?</b>		<b>5</b>
<b>8 Can a company submit two project ideas?</b>		<b>5</b>
<b>9 What are the criteria to assess the proposals?</b>		<b>5</b>
<b>10 What are the different evaluation phases and the expected schedule?</b>		<b>6</b>
<b>11 How many packages can I choose in my application?</b>		<b>6</b>
<b>12 When will the services be provided?</b>		<b>6</b>

## What is PENELOPE?

Manufacturing of complex large-scale parts is a challenging subject matter in Europe. It must ensure high product quality through high-precision manufacturing and repairing processes across all stages of the value chain whilst remaining competitive in the global scenarios. It is a key part of industry in Europe since it affects strategic sectors such as oil and gas production, shipbuilding, aeronautics and bus/ coach assembly.

Nowadays, manufacturing methodologies still rely on manual, time-consuming and inaccurate processes however there is good news for the future of the EU industry. To increase competitiveness, Europe is leading this battle developing cutting edge technology on increasing products' performance, quality, customization, delivery time and lifecycle services. As part of this strategy, PENELOPE is developing a specific methodology and vision focused on manufacturing large-scale parts of several value chains.

PENELOPE main challenges involve: increasing complexity in design and manufacturing setup, limited production efficiency and product quality, raw materials scarcity is a major issue that increases production cost and preservation of industry-specific knowledge and skills. In order to tackle these issues, innovation resulting from PENELOPE Project is relying on developing and adopting technologies such as simulation models, Digital Thread, Digital Twin, online control & inline inspection, data analytics and AI tools, a broad range of worker-centric tools (VR/AR tools, exoskeletons, collaborative robots, etc.) towards the future modular and flexible factory 4.0.

The transformations brought about by PENELOPE needs to be replicated, thus, it is also supported by a pan-European network of Didactic Factories and showrooms, providing workforce training and skills development to industry. With this Early Adopters Programme (EAP) PENELOPE is developing training methods and services enabling the EU industrial workforce to transition towards Industry 4.0. ensuring safety, accuracy and precision on manufacturability in all stages from design to the final product for the overall benefit of the EU manufacturing sector.

More information can be found extensively at: <https://penelope-project.eu/>

## Who can apply?

Eligible applicants are manufacturing companies registered in:

- [The Member States of the European Union and its Overseas Countries and Territories \(OCT\)](#)  
or
- [Associated Countries to H2020](#)  
or
- United Kingdom

## **Can I submit my application if my company is not yet established?**

No, you can't. It's only for entities registered before the Early Adopters Programme (EAP) Open Call starts: May6 at 10:00 Brussels time.

## **What could be a perfect candidate for PENELOPE?**

PENELOPE's solutions (services and training) are particularly well-suited for a range of companies operating within the European manufacturing sector. This includes manufacturing companies engaged in the production of complex large-scale parts for critical industries, looking to enhance their competitiveness in the global market can greatly benefit from PENELOPE's Early Adopters Programme (EAP) packages.

Companies grappling with challenges related to production efficiency, limited product quality, and raw materials scarcity will find PENELOPE's methodologies and technologies very useful. By leveraging advanced solutions such as simulation models, Digital Thread, Digital Twin, online control & inline inspection, data analytics, and AI tools, these companies can streamline their operations and overcome these obstacles.

PENELOPE's focus on workforce training and skills development is essential for organisations aiming to transition towards Industry 4.0. Through its EAP, PENELOPE provides comprehensive training methods and services to equip the EU industrial workforce with the necessary knowledge and skills to thrive in the evolving manufacturing landscape.

In essence, companies seeking to enhance their productivity, quality, and competitiveness while embracing the latest technological advancements in manufacturing will find PENELOPE's services and training to be a perfect fit for their needs.

## **What happens if I do not submit my application within the deadline?**

We cannot accept applications after the deadline. We strongly encourage you not to wait until the last minute to submit your proposal. Failure to meet the submission deadline for any reason, including extenuating circumstances, will result in the rejection of the proposal.

## How long does it take to fill in the application?

It shouldn't take more than 1 working day as an average. Consider that specific character limits have been established in each field of the online application form, so we encourage you to keep your proposal focused on the requested information, keeping in mind the PENELOPE concept and the requirements gathered in the [Terms and conditions](#) for this Early Adopters Programme (EAP) open call. We also recommend you start the submission process quite in advance before the deadline in order to avoid last minute circumstances.

## Will I be able to modify my proposal after submission?

No. In case a mistake has been made in your application form or your data has changed over time, please contact us in English by email to [ines.arias@fundingbox.com](mailto:ines.arias@fundingbox.com), including the following information:

- Your user name, telephone number and email address.
- Unique ID (UID) of your application form. The UID will be located at the bottom of the application form under the signature. Check [here](#) how to get it.
- The subject of the changes you want to make.

## Can a company submit two project ideas?

No. Only one proposal per entity is admitted in this PENELOPE EAP. If more than one application is identified, only the last application which has been submitted in order of time will be evaluated.

## What are the criteria to assess the proposals?

The proposals will be evaluated on the following criteria: MANUFACTURING PROCESS (including background and ambitions to the selected packages), ENVISAGED RESULTS AND THEIR IMPACT and OBJECTIVES AND APPROACH OF THE COMPANY TO selected PENELOPE packages.

## What are the different evaluation phases and the expected schedule?

The table below presents the indicative dates in which each of the evaluation phases will end and the number of expected applicants that would go through the next phase:

Phase	Duration	Indicative Date	Nº of applicants passing to the next phase
Full proposals submission	1.5 months	May 6 – June 21, 2024	All applications submitted correctly within the deadline

Eligibility check	1 week	June 24, 2024	All applications in line with the eligibility criteria set in the Terms and conditions
Consensus Meeting	1 day	27 <sup>th</sup> June 2024	Minimum of 6 participants
Formal check	2 weeks	28 <sup>th</sup> June– 10 <sup>th</sup> July 2024	Minimum of 6 participants
Start of the EAP		After formal check (July to 24 September 2024, pending extension).	Minimum of 6 participants

## How many packages can I choose in my application?

You will have to choose a preferred package (mandatory) and you will be able to choose two optional packages, as second and third options.

## When will the services be provided?

The planned period for the reception of the services will be between July to September 2024 (Pending project extension). The start and duration of the implementation is to be determined between the Participants and the Host.