BLENDED INTENSIVE PROGRAMME (BIP).
ERASMUS +

TOWARDS THE LEARNING FACTORY EQF5 / EQF6

COURSE ONLINE & IN-PERSON

Based on LCAMP project.
CoVE in Advanced Manufacturing



COURSE DATES

Online
25 March

In-person
From 31 March to 4 April

Online
11 April

LOCATION

Basque Country

LANGUAGE

English

"This training course is designed to equip teachers from across Europe with the knowledge and practical skills needed to integrate the "Learning Factory" concept into their teaching practices and transfer knowledge to industrial environments."

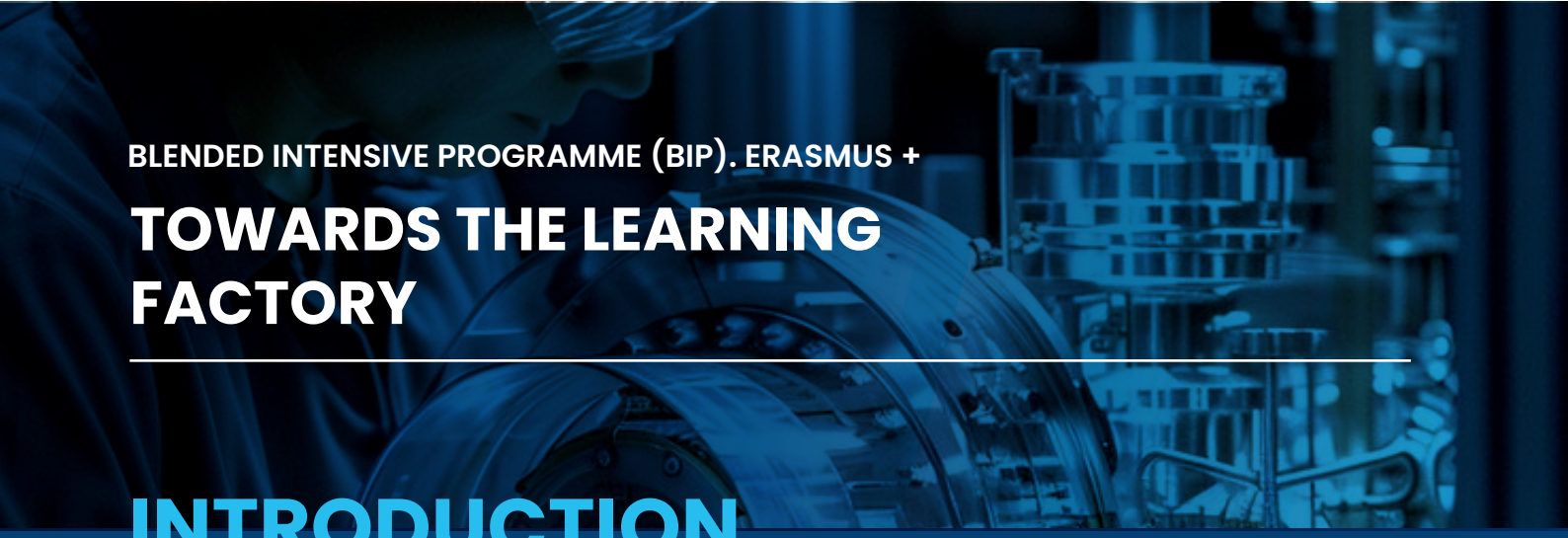
Co-funded by the European Union

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LANBIDE HEZIKETAKO IKASTETXE INTEGRATUA



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INTRODUCTION

This training course is designed to equip teachers from across Europe with the knowledge and practical skills needed to integrate the "Learning Factory" concept into their teaching practices and transfer knowledge to industrial environments. Focused on Industry 4.0, the course will explore cutting-edge tools, techniques, and technologies used in various industrial sectors, demonstrating their application in simulated and real-world contexts.

Participants will gain hands-on experience with advanced manufacturing equipment, digitalization tools, and collaborative methodologies, enabling them to create dynamic and engaging learning environments.

The course will also guide educators in designing, implementing, and adapting their own Learning Factories tailored to their unique industrial and institutional needs. By fostering innovation, critical thinking, and interdisciplinary collaboration, this program empowers teachers to drive the transformation of education and industry toward smarter, more sustainable practices.

Target Audience

This course is designed for EFQ5/EFQ6 teachers and trainers across Europe who are involved in or interested in advanced manufacturing, and in the implementation and development of teh "Colaborative Learning Factory" concept. The ideal participants are:

EQF5 / EQF6 Teachers and Trainers

Educators who are currently teaching at the EQF5 and EQF6 level and are looking to enhance their skills and knowledge in technical fields applied in Learning Factory contexts.

Curriculum Developers

Professionals responsible for designing and updating EFQ5/EFQ6 curricula who wish to integrate new technologies and interdisciplinary approaches.

Educational Coordinators and Administrators

Individuals involved in the management and coordination of EFQ5/EFQ6 programs who aim to improve the quality and effectiveness of their training offerings.

Participants should have a basic understanding of EFQ5/EFQ6 principles and be open to adopting new teaching strategies and technologies

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Learning Outcomes

OBJECTIVE 1

Equip teachers from across Europe with the knowledge and practical skills needed to integrate the "Learning Factory" concept

OBJECTIVE 2

Empower teachers to drive the transformation of EFQ5 / EFQ6 to become more digital, green, sustainable and inclusive

Course Schedule

* LF = Learning Factory

Session 1

Topics

- Introduction to the concept of LF and the LCAMP project.
- Assessment of readiness for LF using the LF-Self Assessment Tool.

Date & Time

25 March
9:30 - 11:45 AM

Mode

Online

Session 2

Topics

- Theoretical and practical session on LF.

Date & Time

From 31 March
to 4 April.

Mode

In-person

Session 3

Topics

- Workshop on evaluation and future opportunities.

Date & Time

11 April
9:30 - 11:00 AM

Mode

Online

* *We will organize a BIP for teachers and students on the same topic, giving priority to institutions involved in this edition when selecting participants*



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Practical Sessions schedule

The practical sessions will be held in Donostia from March 30 to April 2 and in Bilbao from April 3 to April 5.

DONOSTIA From 30 March to 2 April

Sunday 30 March Travel day

	Monday 31 March	Tuesday 1 April	Wednesday 2 April
9:30 10:30	**Location: TKNIKA** ▪ *LCAMP (Learner Centric Advanced Manufacturing Platform) concept* Iñigo Araiztegi. Director of Internationalisation. Tknika ▪ *LF general concept* Gorka Baqueriza. Director of the Technological Innovation. Tknika	**Location: MIGUEL ALTUNA LHII COLLEGE** ▪ *LCAMP approach to LF* · *Interdisciplinarity in LF* · *AR assisted assembly systems for LFs* Experts: Unai Ziarsolo and Liher Errasti.	**Location: TOLOSALDEA LHII COLLEGE** ▪ *School's Control panel - SCADA and Workshop's MES (showroom session)* ▪ *Digital Twin - Robotstudio connectivity (practical session)* Experts: Igor Urkiola, Santi Rosas and Jon Busto.
10:30 12:30	**Tknika labs**	**Miguel Altuna LHII labs**	**Tolosaldea LHII labs**
LUNCH TIME 12:30 - 14:00			
14:00 15:00	**Location: USURBIL LHII COLLEGE** ▪ *LF traceability of a manufacturing flow* Expert: Unai Urkiola.	**Location: ARMERIA ESKOLA LHII COLLEGE** ▪ *Integration of robotics technologies in a LF:* *.The general overview* *.AMR Configuration and programming workshop* *.Collaborative Robot Showroom* Expert: Asier Gabilondo and Irati Salaberria	**Location: ZUBIRI MANTEO BHI COLLEGE** ▪ *Cybersecurity in a LF* Experts: Garikoitz Etxeberria and Josu Fernandez de Arroiabe
15:00 17:00	**Usurbill LHII college Labs**	**Armeria Eskola LHII labs**	**Zubiri- Manteo BHI labs**

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BILBAO From 3 to 5 April

	Thursday 3 April	Friday 4 April	Saturday 5 April
9:30 10:30	**Location: MENDIZABALA LHII COLLEGE** ▪ *Cell automation programming* Experts: Unai Otxoa de Aspuru, Iñaki Ruiz de Aretxabaleta	**Location: ZORNOTZA LHII COLLEGE** ▪ *Circular economy, FP cloud, block chain in a LF* Experts: Uzuri Rosa.	
10:30 12:30	**Mendizabala LHII labs**	**Zornotza LHII labs**	TRAVEL DAY
	LUNCH 12:30 - 14:00	*Farewell lunch*	
14:00 15:00	**Location: SANTURTZI LHII COLLEGE** ▪ *TELKI Green energy* ▪ *Data science* ▪ *Smart Cabinet* Experts: Mikel Iturraspe, Patricia Gonzalez, Elena Salazar, Sonia Martinez	FREE TIME	
15:00 17:00	**Santurtzi LHII labs**		

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TOWARDS THE LEARNING FACTORY

Registration Link:

REGISTER

Registration Deadline:
21-03-2025

Contact Information:

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