"A unique **world-level dual training program** oriented to increasing technical and entrepreneurial competences around **Polymer Technologies**"

Associate Organizations:

European Union
European Social Fund
Investing in your future

MONDRAGON HUMANITY AT WORK

leartiker

lea artibai ikastetxea

Bizkaia talent

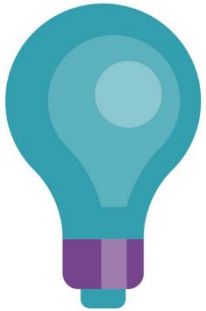
GRUPO spri TALDEA

CONTEXT

The talent is a revolution for the next 20 years. People and knowledge will evolve in a way that recruiting the best People is already a key activity

Global Organizations need to have presence all over the world. And also the People and knowledge. The Program TEP allows Organizations to complement these People and knowledge strategies transferring Organizational Culture and habits to all their subsidiaries and production plants around the world

We are in contact with Universities, Colleges and other public and private Institutions in the most potential areas around the world, from where Participants have been coming last editions



VALUE PROPOSITION

SPECIALIZED TRAINING

Doctors, Researchers, Engineers and high-level expert consultants provide specialized training about Polymer Technologies and Entrepreneurship. **The methodology used consists of masterclasses and workshops to put in practice the concepts learned into practice**

You will become an expert on these new sector technologies know-how, tools and methodologies

COMPANY INTERNSHIP

As a necessary complement to Specialized Training, the **Program TEP enriches Participants' professional experience through a stage in a leading Company**. Since Companies have the need of professional personnel in their national and international plants, **Program TEP can be a good opportunity to get a job**

All the participating Companies program a personal training-adjustment plan that place Participant's in their working environment, which translates into quick adaptation and better results

GLOBAL MINDSET

The Program TEP is developed in a territory with a strong industrial and entrepreneurial culture. The Participants will find an **appropriate environment to know different cultures, experiences, develop team learning and global mindset** that satisfies the Participants concerns and reinforces the professional profile that Companies are looking for

It is also a perfect opportunity to improve your languages!

NO APPLICATION FEE

Does talent have limits? Program TEP Participants do not have care for application fees, you just have to learn, contribute value during your Internship and live the experience. The Program also provides accommodation for International Participants **in Lea-Artibai Technical School's Residence Hall**

We believe in the Program TEP, so the best way to let you do your best is to make you forget the costs. Just learn and enjoy it!

The Program TEP has been designed to respond to the priorities defined in the "Europe 2020 Strategy" of the European Commission

The Program TEP **proposes a "learning by making" methodology** that has been designed by Lea Artibai Ikastetxea Technical School based on the needs identified by the companies. In this way, the Participants of the Program TEP will be trained based on these needs

One of the strengths of this Program lies in the **extensive technological knowledge that Leartiker Technology Centre owns in the field of Polymers**. This knowledge, combined with the task of technological and business monitoring integrated into the methodology, makes the Program TEP a strategic project by itself, which is encompassed within a broader intelligent growth strategy

4

CONSECUTIVE TEP EDITIONS

+40

PARTICIPANTS

85%

JOB RATE

+8

NATIONALITIES

TEP Program trains Participants to:

- Develop their own professional career with a strong **technical background in Polymer Technologies**
- Write and develop projects for the **Polymeric Product Design, Injection Processes and Optimization of Polymeric Products**
- Define the necessary specifications of a production project or the improvements in the processes of the Supply Chain and implement them based on **Lean methodologies**
- **Promote Entrepreneurship and Innovation** with permanent identification of new business activities and opportunities for the Companies
- **Analyze and take decisions** related to the Organization's financial-economic aspects to implement changes, new products and new services
- **Live a professional experience responding to the needs of the Organizations** applying the knowledge and skills acquired during their training in a real environment
- **Acquire transversal competences** such as proactivity, team work, leadership, acceptance of new challenges and to be open-minded to carry out their professional activity in a global and delocalized environment

LEA-ARTIBAI CAMPUS

To study and live

In the Lea-Artibai Campus you will find all **the facilities, resources and services you need for learning and for your training lifE**

The main objective of the Program TEP is your **personal and professional development**. This motivates us to invest all our efforts in having the necessary human and material resources for making your stage in the campus more pleasant

More than 60% of the participants are coming from all around the world. Hence, they need a suitable accommodation for their new needs like live close to the campus, comfort, academic environment, good services, ... **We have availability of a residence with 22 individual rooms**

Furthermore, being **located in a region with a strong industrial and entrepreneurial culture**, some of the most important global companies are around us. Therefore, our technical facilities have been designed according to their needs

THE PROGRAM

The Technology Entrepreneurship Program TEP is a three main blocks dual training carried out from OCTOBER to JUNE

INITIAL THEORETICAL TRAINING

2 MONTHS | 5 DAYS A WEEK

COMPANY INTERNSHIP

7 MONTHS | 4 DAYS A WEEK

OCTOBER — JUNE

FRIDAY'S TEAM LEARNING

7 MONTHS | 1 DAYS A WEEK

INITIAL THEORETICAL TRAINING

During the Initial Theoretical Training period, for **240 hours the Participants will acquire the necessary knowledge** for their subsequent application in real Company Environment

WHEN

OCTOBER-DECEMBER

The Initial Theoretical Training **starts the first week of October and finishes in December**

During this expert level classes, Participants will receive a **theoretical-practical training to acquire professional skills** concerning Polymer Technology and Entrepreneurship

HOW

240 h | 08.00-14.00

Theoretical classes combined with **practices and workshops** related with the topics worked about will be programmed

Classes will be imparted from **Monday to Friday from 8am to 14pm**

WHERE

LEARTIKER TECHNOLOGY CENTRE

The Initial Theoretical Training will be imparted Program TEP facilities, where **best experts of the sector will come to give their lessons**

We are located in **Basque Country (Spain)**, in a region with a strong industrial and entrepreneurial culture thanks to all of the global organizations located around us

TRAINING MODULES

POLYMER TECHNOLOGIES	200 h
Polymeric Material Engineering	Gain fundamental knowledge when considering polymeric materials, properties and performance/costs issues. This materials' knowledge will be combined with the types of tests most often used to characterize or identify polymeric materials. This knowledge will be very useful for other modules of the course, such as Polymeric product design, Injection molding or Rheology and simulation
Polymeric Product Design	Gain fundamental knowledge when considering materials, processes, shapes and performance/costs issues when designing new products (oriented to polymeric materials). This knowledge will be later combined with FEA tools as well as CAD software to develop plastic made components
Injection Molding	Gain fundamental knowledge concerning the injection molding process of thermoplastic and rubber (elastomeric) materials. This knowledge will be later combined with FEA tools (Moldflow)
Computer Assisted Design	Gain fundamental knowledge when designing a solid part using CAD tools (oriented to mechanical design), and generate a 2D drawing. This knowledge will be later combined with FEA tools
Rheology and Finite Element Analysis	Gain fundamental knowledge of the part of the science known as Rheology and its use for the simulation of flow of plastic parts in the mold. This module will benefit from the knowledge gained in the modules: Polymeric materials and Injection molding
Structural Finite Element Analysis	Gain basic working knowledge of using Ansys Workbench for static structural stress analysis of 3D solid models (oriented to polymeric material made components). It does not attempt to deal with other types of models or other capabilities of "Multiphysics" in Ansys Workbench
Lean Methodologies	Gain general knowledge about the production management model focus on the creation a continuous flow to deliver the maximum value to the Customer

ENTREPRENEURSHIP	40 h
Strategy and Innovation	Gain how a company designs and implements its Strategy, Strategic Plan, Business Model and Innovation Model. The session will be mainly based on learning by doing philosophy and so it will consist of a short theoretical part and a longer practical part
Market Research	Gain the process of assessing the viability of a new good or service through research conducted directly with the consumer which allows a company to discover the target market and record opinions and other input from consumers regarding interest in the product
Competitive Intelligence	Gain to understand and implement a technological surveillance and competitive intelligence system
Feasibility Plan	Gain some basic economical concepts and an analysis and evaluation of a proposed project to determine if it is technically feasible, is feasible within the estimated cost, and will be profitable
Creativity	Gain the dynamics and techniques, to get the general ideas of how to manage a creative dynamic
Strategy and Innovation	Gain how a company designs and implements its Strategy, Strategic Plan, Business Model and Innovation Model. The session will be mainly based on learning by doing philosophy and so it will consist of a short theoretical part and a longer practical part
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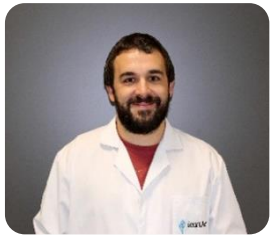
EXPERTS

AMAIA EGIA

CEO

PhD. AITOR ARRIAGA

POLYMERIC PRODUCT DESIGN



PhD. JON ANAKABE

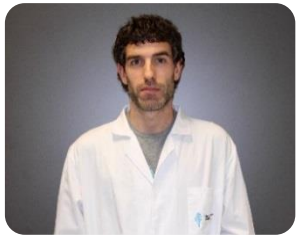
INJECTION MOLDING

PhD. RIKARDO HERNANDEZ

POLYMERIC MATERIALS ENGINEERING

PhD. ALEX ARRILLAGA

COMPUTER ASSISTED DESIGN



PhD. MIKEL ISASI

FINITE ELEMENT ANALYSIS

PhD. ANE MIREN ZALDUA

MEDICAL DEVICES

JOSU GOIKOETXEA

INNOVATION MANAGEMENT

COMPANY INTERNSHIP

The period of Company Internship **lasts 1,112 hours, representing 85% of the total duration of the program TEP** and takes place between the months of January and June of each year

1º OPTION

INDUSTRIAL INMERSION

Carry out an internship period in the company **obtaining know-how on specific technologies or jobs**, and implement in the company the acquired competencies during the training

2º OPTION

R&D ACTIVITIES

Get your first job experience, **learn tools and know-how related with R&D in polymers** and get introduced to a polymer institute day by day through a 3 stage process

3º OPTION

LAUNCHING YOUR OWN START-UP

Launch your own business idea and convert it in a company or work on the launching of a start-up proposal from LEARTIKER Strategic Innovation area

FRIDAY'S TEAM LEARNING

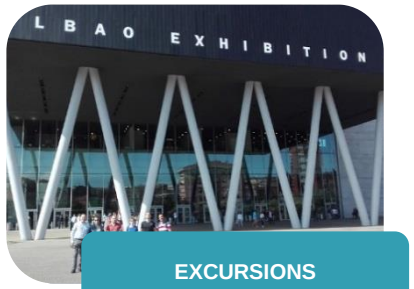
Every **Friday**, from December until the end of TEP Program, the TEP Team will meet all together to perform team learning activities **enriching their personal competences**

COMPANY VISITS

EXPERT SEMINARS

GROUP DYNAMICS

TUTORING



EXCURSIONS

WORKSHOPS

CREATIVITY SESSIONS

CONTENT IMPROVEMENT

PROJECT MANAGEMENT

TEP CHALLENGE

APPLY FOR TEP

PUBLICATION OF
TEP 4th EDITION

SOUGHT PROFILES

23rd APRIL

CONFIRMATION OF

ACCPETED PROFILES

19th JUNE

CONFIRMATION OF

SELECTED PROFILES

20th JULY

15th JUNE

LAST DAY TO SEND

CV, MOTIVATION LETTER & SELECTED
PREFERENTIAL SOUGHT PROFILE

9th JULY

SELECTION PROCESS

INTERVIEW WITH THE COMPANIES

DO YOU WANT TO FEEL THE EXPERIENCE? LIMITED PLACES!

To fill in your application for Program TEP 4th edition, you just need to contact us sending an email to coordinator@programtep.com

- We will **publish the Sought Profiles** for the Program TEP 4th edition on the **23rd of April**
- We will **ask you for your CV, Motivation Letter and selected preferential sought profiles until 15th of June**
- After receiving your documents, we **will inform you that you profile is accepted** in the Program TEP on the **19th of June**
- We will transmit companies the accepted profiles and they will make **the selection process** by their own **until 9th of July**
- Finally, on the **20th July**, TEP team **will inform which profiles will be part of the 4th generation of Program TEP**

CONDITIONS

The conditions to apply for Technology Entrepreneurship Program TEP are the next ones:

- **Limited places**: Just **30 Participants** will have the opportunity to be part of the TEP Team
- **Not** to be **more** than **30 years old**
- **Be in possession of a Higher Degree or Bachelor Degree**, preferably in the following technical areas: Mechanics, Industrial, Design, Product, Process, Chemistry, Biomedical, ... Other profiles will be taken into account
- **Fluent English** language
- Your profile must **correspond to the needs apply for**
- **You must pass the two selection processes**: CV and company interview

TESTIMONIALS

This is what some of our Participants think about the TEP program:

AIZETI BURGOA

TEP 2º EDITION APPLICANT | BASQUE COUNTRY

"I didn’t just learn theoretical aspect, we also had the opportunity to put into practice all the learned content during the internship and I could experience the reality of working in a company"

AJAY VIJAY SURYANVANSHHI

TEP 2º EDITION APPLICANT | INDIA

"I strongly feel that TEP program offers a unique blend of domain knowledge in Polymer Technologies and Entrepreneurship and practical skillset development by means of industrial projects"

EDUARDO MÁRQUEZ

TEP 2º EDITION APPLICANT | MEXICO

"Professors are well prepared and they make everything possible to explain themselves, tutors are very kind and they are always concerned about your commodity and they will help you if you need anything"

ASSOCIATE ORGANIZATIONS

TEP bases its work on the establishment of a network of collaborations of international prestige Organizations

CONTACT

Feel free to contact us if you have any questions or comments

www.ProgramTEP.com

+34 946 16 90 89

coordinator@programtep.com

Xemein Etorbidea 12A, Markina-Xemein, Biscay (Spain)

And to stay up to date with the Program TEP updates, follow us!

Technology Entrepreneurship Program TEP

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