

# Postgraduate Certificate International Construction Projects





## Postgraduate Certificate International Construction Projects

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online
- » Target Group: Experienced engineers, architects or experienced graduates who want to deepen and update their knowledge in the field of international turnkey construction projects

Website: [www.techtute.com/us/school-of-business/postgraduate-certificate/international-construction-projects](http://www.techtute.com/us/school-of-business/postgraduate-certificate/international-construction-projects)

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# 01 Welcome

When it comes to successfully intervening and working on an international construction project, the professionals must have a series of fundamental skills and knowledge that will allow them to successfully manage the phases of the work. Therefore, in this program, TECH focuses on providing students with a series of skills that will enable them to carry out the project in an optimal manner, taking into account the control of each and every one of the factors involved in the construction process. Thus, they will analyze the different processes of a project, their interaction and the importance of an adequate coordination so that the work is carried out in time and cost, taking into account the restrictions and assets of each process with the purpose of controlling the project in a global way.



Postgraduate Certificate in International Construction Projects.  
TECH Global University

“

*Thanks to this TECH program, you will deepen in everything related to international projects, from the types of existing projects depending on the type of contract or service, its analysis and the development of each stage, to the control of the main aspects that allow to carry it out in a successful way"*

02

# Why Study at TECH?

TECH is the world's largest 100% online business school. It is an elite business school, with a model based on the highest academic standards. A world-class centre for intensive managerial skills training.



“

*TECH is a university at the forefront of technology, and puts all its resources at the student's disposal to help them achieve entrepreneurial success"*

## At TECH Global University



### Innovation

The university offers an online learning model that combines the latest educational technology with the most rigorous teaching methods. A unique method with the highest international recognition that will provide students with the keys to develop in a rapidly-evolving world, where innovation must be every entrepreneur's focus.

"Microsoft Europe Success Story", for integrating the innovative, interactive multi-video system.



### The Highest Standards

Admissions criteria at TECH are not economic. Students don't need to make a large investment to study at this university. However, in order to obtain a qualification from TECH, the student's intelligence and ability will be tested to their limits. The institution's academic standards are exceptionally high...

**95%** | of TECH students successfully complete their studies



### Networking

Professionals from countries all over the world attend TECH, allowing students to establish a large network of contacts that may prove useful to them in the future.

**100,000+**  
executives trained each year

**200+**  
different nationalities



### Empowerment

Students will grow hand in hand with the best companies and highly regarded and influential professionals. TECH has developed strategic partnerships and a valuable network of contacts with major economic players in 7 continents.

**500+** | collaborative agreements with leading companies



### Talent

This program is a unique initiative to allow students to showcase their talent in the business world. An opportunity that will allow them to voice their concerns and share their business vision.

After completing this program, TECH helps students show the world their talent.



### Multicultural Context

While studying at TECH, students will enjoy a unique experience. Study in a multicultural context. In a program with a global vision, through which students can learn about the operating methods in different parts of the world, and gather the latest information that best adapts to their business idea.

TECH students represent more than 200 different nationalities.



TECH strives for excellence and, to this end, boasts a series of characteristics that make this university unique:



### Analysis

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TECH explores the student's critical side, their ability to question things, their problem-solving skills, as well as their interpersonal skills.



### Academic Excellence

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TECH offers students the best online learning methodology. The university combines the Relearning methodology (the most internationally recognized postgraduate learning methodology) with Harvard Business School case studies. A complex balance of traditional and state-of-the-art methods, within the most demanding academic framework.



### Economy of Scale

---

TECH is the world's largest online university. It currently boasts a portfolio of more than 10,000 university postgraduate programs. And in today's new economy, **volume + technology = a groundbreaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.



### Learn with the best

---

In the classroom, TECH's teaching staff discuss how they have achieved success in their companies, working in a real, lively, and dynamic context. Teachers who are fully committed to offering a quality specialization that will allow students to advance in their career and stand out in the business world.

Teachers representing 20 different nationalities.



*At TECH you will have access to Harvard Business School case studies"*

03

# Why Our Program?

Studying this TECH program means increasing the chances of achieving professional success in senior business management.

It is a challenge that demands effort and dedication, but it opens the door to a promising future. Students will learn from the best teaching staff and with the most flexible and innovative educational methodology.



“

*We have highly qualified teachers and the most complete syllabus on the market, which allows us to offer you training of the highest academic level"*

This program will provide students with a multitude of professional and personal advantages, particularly the following:

**01**

### A significant career boost

---

By studying at TECH, students will be able to take control of their future and develop their full potential. By completing this program, students will acquire the skills required to make a positive change in their career in a short period of time.

*70% of participants achieve positive career development in less than 2 years.*

**02**

### Develop a strategic and global vision of companies

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TECH offers an in-depth overview of general management to understand how each decision affects each of the company's different functional areas.

*Our global vision of companies will improve your strategic vision.*

**03**

### Consolidate the student's senior management skills

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Studying at TECH means opening the doors to a wide range of professional opportunities for students to position themselves as senior executives, with a broad vision of the international environment.

*You will work on more than 100 real senior management cases.*

**04**

### Take on new responsibilities

---

The program will cover the latest trends, advances and strategies, so that students can carry out their professional work in a changing environment.

*45% of graduates are promoted internally.*

05

### Access to a powerful network of contacts

TECH connects its students to maximize opportunities. Students with the same concerns and desire to grow. Therefore, partnerships, customers or suppliers can be shared.

*You will find a network of contacts that will be instrumental for professional development.*

06

### Thoroughly develop business projects

Students will acquire a deep strategic vision that will help them develop their own project, taking into account the different areas in companies.

*20% of our students develop their own business idea.*

07

### Improve *soft* skills and management skills

TECH helps students apply and develop the knowledge they have acquired, while improving their interpersonal skills in order to become leaders who make a difference.

*Improve your communication and leadership skills and enhance your career.*

08

### Be part of an exclusive community

Students will be part of a community of elite executives, large companies, renowned institutions, and qualified professors from the most prestigious universities in the world: the TECH Global University community.

*We give you the opportunity to train with a team of world renowned teachers.*

# 04 Objectives

The main objective of this TECH Postgraduate Certificate is for professionals to acquire the necessary knowledge to work on large international construction projects, taking into consideration all the necessary aspects to successfully manage the work, meeting deadlines, costs and client requirements. For this purpose, TECH has developed a quality content designed based on the latest professional premises that will enable the student to practice in this environment with a greater margin of success.



“

*You will broaden your knowledge and increase your ability to analyze a construction project globally thanks to an exceptional syllabus”*

Your goals are our goals.

**TECH** works together to help you achieve them.

The **Postgraduate Certificate in International Construction Projects** enables the student to:

01

Conduct a comprehensive analysis of EPC projects

02

Management of the different stages of EPC projects

03

Ability to analyze the earned value of projects

04

In-depth breakdown of contract types

05

Comprehensive analysis and knowledge of each stage of the project

06

Coordination of each stage and process of the project





07

Stakeholder analysis and management

08

Ability to plan contingencies for deviations

09

Accurate knowledge and capacity for global analysis of a project

# 05

# Structure and Content

The syllabus of this Postgraduate Certificate comprises a structured program based on the requirements of the profession, from the management of the scope of an international construction project to the fulfillment of the optimization of resources and costs. Thus, through a complete tour along a quality and up-to-date content, prepared by experts, the students will achieve the proposed objectives, obtaining a professional and personal growth that will allow them to carry out the indicated functions.



“

*TECH offers you this Postgraduate Certificate in online mode so that you can study it where, when and how you want"*

## Syllabus

The Postgraduate Certificate in International Construction Projects of TECH Global University is an intensive program that prepares the student to master all the aspects surrounding the correct management of international construction projects.

The content of the Postgraduate Certificate is designed to promote the development of managerial and administrative competencies that allow for more rigorous decision making in uncertain environments, facing the business challenges that may arise.

Throughout 180 hours of preparation, the student analyzes a multitude of practical cases through individual and teamwork. It is, therefore, an authentic immersion in real business situations.

In this way, this Postgraduate Certificate deals in depth with the world of international construction from the project management approach, taking into account all the points it contemplates, such as its scope and the control of resources and expenses. Thus, it is designed to specialize professionals in the business environment in order to orient them towards this sector from a strategic, international and innovative perspective.

A plan designed for the student, focused on their professional improvement that prepares them to achieve excellence in the field of management and business administration in this sector. A program that understands your needs and those of your company through innovative content based on the latest trends, and supported by the best educational methodology and an exceptional faculty, which will provide you with the skills to efficiently manage today's construction projects.

This Postgraduate Certificate takes place over 6 weeks, and it consists of 1 module:

### Module 1

### International Projects



### Where, When and How is it Taught?

TECH offers the student the possibility of developing this Postgraduate Certificate in International Construction Projects completely online. Throughout the 6 weeks of training, you will be able to access all the contents of this program at any time, allowing you to self-manage your study time.

*A unique, key and decisive educational experience to boost your professional development and make the definitive leap.*

**Module 1. International Projects**

**1.1. Projects and Organizational Context**

- 1.1.1. Project in the Organization
- 1.1.2. Project Elements
- 1.1.3. Importance of the Project in the Organization

**1.2. Types of Projects by Service**

- 1.2.1. Types of Projects
- 1.2.2. Project Analysis
- 1.2.3. Project Orientation

**1.3. Main Processes in the Development of a Project**

- 1.3.1. Start-up and Planning Process
- 1.3.2. Execution and Monitoring
- 1.3.3. Closing Process

**1.4. Cost, Scope and Quality Constraint Analysis**

- 1.4.1. Cost Constraint Analysis
- 1.4.2. Restriction Scope
- 1.4.3. Quality Restriction

**1.5. Time, Resource and Risk Constraints**

- 1.5.1. Time Constraint Analysis
- 1.5.2. Resources Restriction
- 1.5.3. Risks Restriction

**1.6. Analysis of Types of Contracts**

- 1.6.1. Unit Price Contract
- 1.6.2. "Lump Sum" Contract
- 1.6.3. Cost Plus Margin Contract

**1.7. Project Management According to Typology**

- 1.7.1. Project Management at Unit Price
- 1.7.2. Lump Sum/Global Lump Sum Project Management
- 1.7.3. Cost Plus Margin Project Management

**1.8. Project, Program and Portfolio**

- 1.8.1. Analysis of the Project in the Organization
- 1.8.2. Analysis of the Program in the Organization
- 1.8.3. Analysis of the Portfolio in the Organization

**1.9. Project Stakeholders**

- 1.9.1. Project Stakeholder Pyramid
- 1.9.2. Stakeholders Analysis

**1.10. Analysis of the Organization's Process Assets**

- 1.10.1. Asset Analysis in Start-up and Planning
- 1.10.2. Asset Analysis in Implementation and Control
- 1.10.3. Analysis of Assets at Closing



*In this Postgraduate Certificate you will learn how to analyze the organizational process assets of a successful international construction project"*



06

# Methodology

This training program offers a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.







“

*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH Business School we use the Harvard case method

Our program offers a revolutionary method of skills and knowledge development. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

“

*At TECH, you will experience a way of learning that is shaking the foundations of traditional universities around the world"*



*We are the first online university to combine Harvard Business School case studies with a 100% online learning system based on repetition.*



## A learning method that is different and innovative

This intensive program from TECH Global University School of Business prepares students to face all the challenges in this area, both nationally and internationally.

We are committed to promoting personal and professional growth, the best way to strive for success, that is why TECH uses Harvard case studies, with which we have a strategic agreement that allows us to provide our students with material from the best university the world.

**“** *You will learn, through collaborative activities and real cases, how to solve complex situations in real business environments”*

The case method has been the most widely used learning system among the world's leading business schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They must integrate all their knowledge, research, argue and defend their ideas and decisions.

*Our program prepares you to face new challenges in uncertain environments and achieve success in your career.*

## Relearning Methodology

Our university is the first in the world to combine Harvard University case studies with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance Harvard case studies with the best 100% online teaching method: Relearning.

*Our online system will allow you to organize your time and learning pace, adapting it to your schedule. You will be able to access the contents from any device with an internet connection.*

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our online business school is the only one in the world licensed to incorporate this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

With this methodology we have trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, markets, and financial instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.



This program offers the best educational material, prepared with professionals in mind:



### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



### Management Skills Exercises

They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.



### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





### Case Studies

They will complete a selection of the best business cases used at Harvard Business School. Cases that are presented, analyzed, and supervised by the best senior management specialists in Latin America.



### Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".



### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises: so that they can see how they are achieving your goals.



07

# Our Students' Profiles

This Postgraduate Certificate is aimed at university graduates who have previously completed any of the following degrees in the field of Social and Legal Sciences, Administrative and Economic Sciences, as well as engineers, architects or graduates with experience who want to deepen and update their knowledge in the field of international construction projects from a business perspective.

The diversity of participants with different academic profiles and from multiple nationalities make up the multidisciplinary approach of this program.

Professionals who, being university graduates in any area, have two years of work experience in a related field, may also take the Postgraduate Certificate.







“

*Open yourself to the international scene!  
In this Postgraduate Certificate you will  
learn how to manage an international  
construction project so that you can  
perform your duties anywhere in the world”*

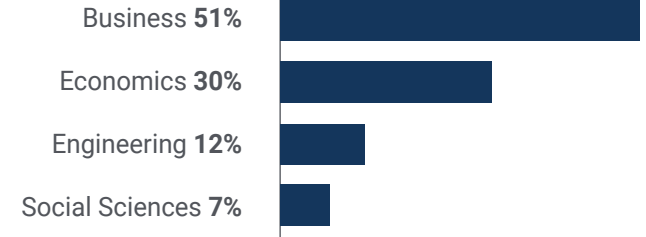
### Average Age

Between **35** and **45** years old

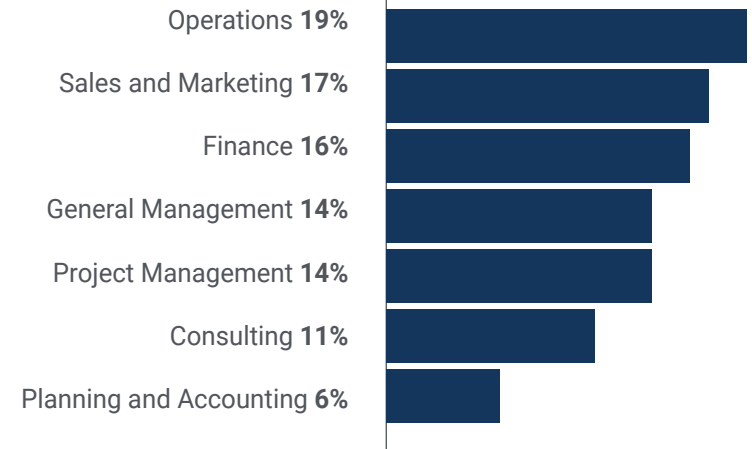
### Years of Experience



### Training

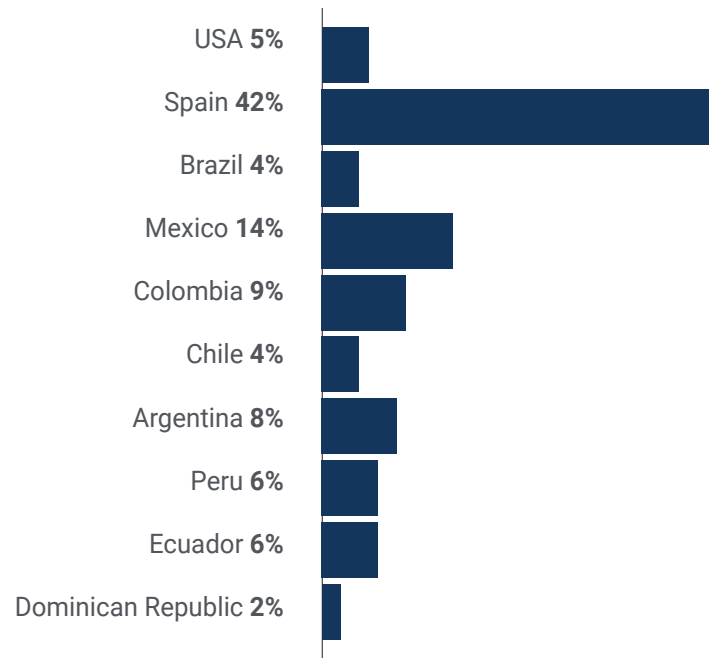


### Academic Profile



## Geographical Distribution

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## Ignacio Fernandez

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*Project Manager*

*"Thanks to this Postgraduate Certificate I have been able to broaden my knowledge of construction project management from an international perspective, an issue in high demand by my company given the global expansion of our brand"*

08

# Course Management

The program's faculty includes leading experts in the field of engineering and the business world oriented towards international construction projects. In this way, professionals from different disciplines with a common approach have poured into this curriculum their knowledge and extensive experience in their professional careers, in addition to other experts of recognized prestige in related areas that complete the agenda of this Postgraduate Certificate in an interdisciplinary way, making it a unique academic experience for the student.



“

*You will learn how to analyze the value gained in international projects thanks to this program developed by the best experts in the sector"*

## International Guest Director

With an extensive professional career of more than 20 years focused on project management and operational transformations, Pierre-Yvez Galopin is a prominent international expert in the field of Construction Engineering. He has spent most of his career in reference entities in countries such as France, Finland and Chile. In this way, he has held important positions as General Technical Director, where he has provided holistic advice to projects in the bidding, construction and operation phase on a global scale.

As such, he has worked directly in more than 40 operations, in addition to having negotiated more than 200 contracts in various sectors such as Heavy Industry, Mining, Oil and Gas. His work philosophy is based on achieving operational excellence, which has driven him to remain at the forefront of areas such as external cost maintenance, as well as the different phases of studies in construction. Thanks to this, it is considered a reference in the optimization of large investment projects through the disruptive methodology of Value Engineering.

In his constant effort to promote progress in the construction sector, he has developed multiple specialized articles on his findings and research. In fact, he is one of the people in charge of preparing press releases in the Communication Department of Boston Consulting Group. As such, he has contributed to increase the knowledge of citizens in aspects such as the applications of Artificial Intelligence in commercial activities, the management of Greenfield or Brownfield investment projects and even the most recent trends in construction materials. In this regard, he highly values networking networks and is an active participant on LinkedIn, where he takes the opportunity to make key connections, share industry knowledge and stay up-to-date on industry opportunities.



## Dr. Galopin, Pierre-Yves

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- ♦ Associate Director and Partner at Boston Consulting Group, Boston, United States
- ♦ Director of Development Projects at Sembcorp Industries, Santiago de Chile
- ♦ Co-Founder and Advisor at Tellus Chile
- ♦ Operations Manager at OSD Pipelines, Chile
- ♦ EPCM Engineer at Hatch, Chile
- ♦ Area Manager and Civil Engineer at Bouygues, Finland
- ♦ Civil Engineer at Degremont, Paris
- ♦ Management Consultant at Partners in Performance, Latin America

“

*Thanks to TECH, you will be able to learn with the best professionals in the world”*

## Management



### Mr. Ruiz Cid, Martin Joaquín

- ◆ Technical Manager EPC Project Group *EPC Project Manager* Leader at Soltec Renewable Energies
- ◆ Industrial Technical Engineer specializing in Mechanics/Structures from the Polytechnic University of Cartagena.
- ◆ Industrial Engineer in Electricity from the Polytechnic University of Cartagena.
- ◆ Official Master's Degree in Power Electronics and Adaptive Control
- ◆ MBA in Strategic Management of the Company by UNED
- ◆ Official Master's Degree in Renewable Energies and Environment
- ◆ Project Manager *Professional* Course
- ◆ Turnkey EPC Project Management Course
- ◆ Industrial Instrumentation Course





09

# Impact on Your Career

TECH is aware that taking a program of these characteristics is a great economic, professional and, of course, personal investment. The ultimate goal of carrying out this great effort should be to achieve professional growth, so that the professional's job placement or promotion in this sector is in line with their expectations. TECH is committed to this objective and achieves it through the design of competitive programs with the best experts in the sector.



“

*Take a step further in your professional career by specializing with this Postgraduate Certificate that only TECH can offer you"*

## Are you ready to take the leap? Excellent professional development awaits you

TECH's Postgraduate Certificate in International Construction Projects is an intensive program that prepares the student to face the challenges and business decisions related to the management of international construction projects, training the student in the knowledge of a booming sector. Therefore, its main objective is to promote the personal and professional growth of students to achieve success in this field of work.

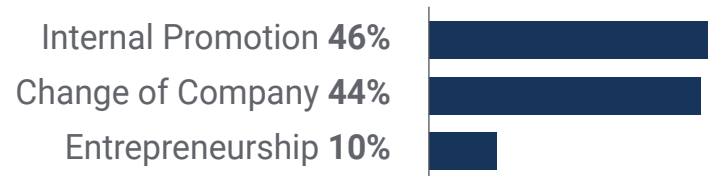
*Do not miss this opportunity offered by TECH and join the future of change in a sector in full expansion.*

*If you want to make a positive change in your profession, the Postgraduate Certificate in International Construction Projects will help you achieve it.*

### When the change occurs



### Type of change



## Salary increase

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The completion of this program represents a salary increase of more than 25% for TECH students.



10

# Benefits for Your Company

The Postgraduate Certificate in International Construction Projects contributes to elevate the organization's talent to its maximum potential through the promotion of high-level leaders.

Participating in this Postgraduate Certificate is a unique opportunity to access a powerful network of contacts in which to find future professional partners, customers or suppliers.





“

*Do not hesitate, a Postgraduate Certificate like this will open many job doors and will guide you towards your future from the excellence"*

Developing and retaining talent in companies is the best long-term investment.

01

### Intellectual Capital and Talent Growth

The professional will introduce the company to new concepts, strategies, and perspectives that can bring about significant changes in the organization.

---

02

### Retaining high-potential executives to avoid talent drain

This program strengthens the link between the company and the professional and opens new avenues for professional growth within the company.

03

### Building agents of change

You will be able to make decisions in times of uncertainty and crisis, helping the organization overcome obstacles.

---

04

### Increased international expansion possibilities

Thanks to this program, the company will come into contact with the main markets of the world economy.





05

### Project Development

The professional can work on a current project or develop new projects in the field of R&D or Business Development within their company.

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06

### Increased competitiveness

This Postgraduate Certificate will equip your professionals with the skills to take on new challenges and thus drive the organization forward.

# 11

# Certificate

The Postgraduate Certificate in International Construction Projects guarantees, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by TECH Global University.



“

*Get a qualification in International  
Construction Projects for Business with  
TECH and you will succeed wherever you go"*

This program will allow you to obtain your **Postgraduate Certificate in International Construction Projects** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in International Construction Projects**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH GLOBAL UNIVERSITY will make the necessary arrangements to obtain it, at an additional cost.



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