



Postgraduate Diploma International EPC Project Management

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

 $We b site: {\color{blue}www.techtitute.com/us/school-of-business/postgraduate-diploma/postgraduate-diploma-international-epc-project-management} \\$

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01 **Welcome**

EPC (turnkey) projects are on the rise and demand industry specialists with a global approach that addresses everything from conceptual, basic and detailed engineering, to the final testing of the installation, training of personnel and delivery of the final result to the client. The management of this type of construction is ambitious and requires indepth knowledge on the part of the entrepreneur. For this reason, TECH has developed this program in order for the professional to master the most important aspects of a project of this magnitude, being able to undertake its management and direction in national and international environments, showing special attention to the critical points that can affect the deadlines and costs of the execution of a contract. You will also learn the types of contracts and services involved and how to properly analyze and coordinate each stage of the project.









tech 08 | Why Study at TECH?

At TECH Technological 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+

200+

executives trained each year

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.





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"

Why Study at TECH? | 09 **tech**

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



Analysis

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



Academic Excellence

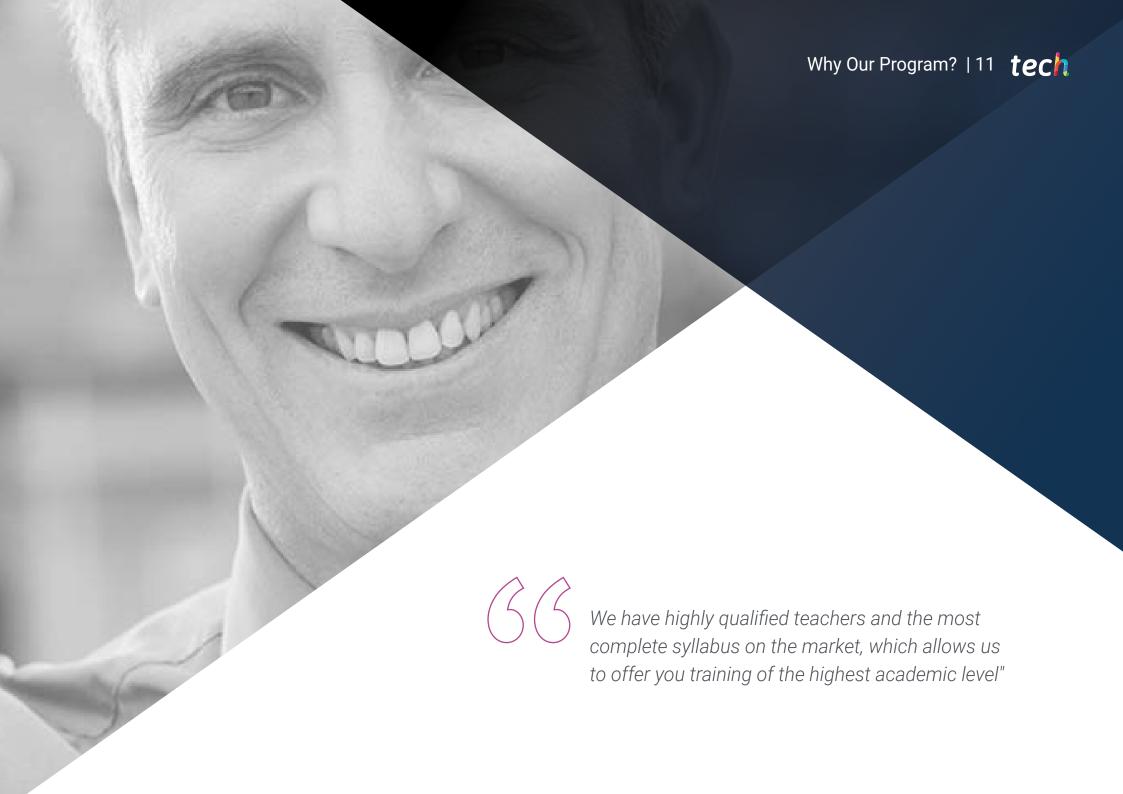
TECH offers students the best online learning methodology. The university combines the Relearning methodology (the most internationally recognized postgraduate learning methodology) with Harvard Business School case studies. A complex balance of traditional and state-of-the-art methods, within the most 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 ground-breaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.





tech 12 | Why Our Program?

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



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.



Develop a strategic and global vision of companies

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.



Consolidate the student's senior management skills

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.



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.



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.



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.



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.



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 Technological University community.

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





tech 16 | Objectives

Your objectives are those of TECH.
TECH works together to help you achieve them.

The Postgraduate Diploma in International EPC Project Management trains students to:



In-depth breakdown of contract types

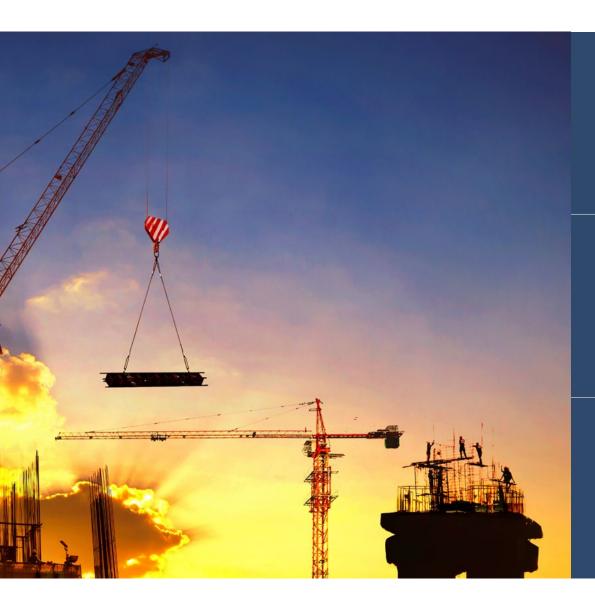


Comprehensive analysis and knowledge of each stage of the project



Coordination of each stage and process of the project







Stakeholder analysis and management



Ability to plan contingencies for deviations



Accurate knowledge and capacity for global analysis of a project









tech 22 | Structure and Content

Syllabus

The Postgraduate Diploma in International EPC Project Management of TECH Technological University is an intensive program that prepares students to manage works and facilities under the EPC modality: Engineering, Procurement and Construction.

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

Throughout 450 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 Diploma deals in depth with the world of construction, from its projection, resources and production costs to the contractual management required. 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 competencies to efficiently manage an EPC project.

This Postgraduate Diploma takes place over 6 months and is divided into 3 modules:

Module 1. International Projects

Module 2. Turnkey Projects (EPC)

Module 3. Management and Control of Stages in Turnkey Projects (EPC)



Where, When and How is it Taught?

TECH offers you the possibility of taking this program completely online. Throughout the 12 months 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.

Delve into the study of cybersecurity and manage to prevent computer attacks in your company.

tech 24 | Structure and Content

Mod	ule 1. International Projects					
1.1.1. 1.1.2.	Projects and Organizational Context Project in the Organization Project Elements Importance of the Project in the Organization	1.2. Types of Projects by Service1.2.1. Types of Projects1.2.2. Project Analysis1.2.3. Project Orientation	1.3.1. 1.3.2.	Main Processes in the Development of a Project Start-up and Planning Process Execution and Monitoring Closing Process	1.4.1. 1.4.2.	Cost, Scope and Quality Constraint Analysis Cost Constraint Analysis Restriction Scope Quality Restriction
1.5.1. 1.5.2.	Time, Resource and Risk Constraints Time Constraint Analysis Resources Restriction Risks Restriction	1.6. Analysis of Types of Contracts1.6.1. Unit Price Contract1.6.2. "Lump Sum" Contract1.6.3. Cost Plus Margin Contract	1.7.1. 1.7.2.	Project Management According to Typology Project Management at Unit Price Lump Sum/Global Lump Sum Project Management Cost Plus Margin Project Management	1.8.2.	Project, Program and Portfolio Analysis of the Project in the Organization Analysis of the Program in the Organization Analysis of the Portfolio in the Organization
	Project Stakeholders Project Stakeholder Pyramid Stakeholders Analysis Stakeholders Interaction	 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 				
Mod	ule 2. Turnkey Projects (EPC)					
2.1. 2.1.1. 2.1.2. 2.1.3.	EPC Project Context Project Components	2.2. EPC Project Stages2.2.1. Identification of Stages in EPC Projects2.2.2. Identification of Initial Needs in Stages2.2.3. Timing of Each Stage	2.3.1. 2.3.2.	Management of the e-Engineering Stage Stage E Analysis Stage E Schedule Resources Required for Stage E	2.4.1. 2.4.2.	Analysis of the e-Engineering Stage Structure Required for Stage E Development Restrictions Difficulties and Risks
2.5.	Management of the p-Procurement Stage	2.6. Analysis of the p-Procurement Stage	2.7.	Management of the c-Construction Stage	2.8.	Analysis of the c-Construction Stage
	Stage P Analysis Schedule Resources Required	2.6.1. Structure Required for Stage P Development2.6.2. Restrictions2.6.3. Difficulties and Risks	2.7.2.	Stage C Analysis Schedule Resources Required	2.8.2.	Structure Required for Stage C Development Restrictions Difficulties and Risks
	EPC Projects: HR Department Main Functions Resources Required for this Department Coordination and Communications with the Rest of the Project	2.10. EPC Projects: Contracts Department 2.10.1. Main Functions 2.10.2. Resources Required for this Department 2.10.3. Coordination and Communications with the Rest of the Project				

Mod	Module 3. Management and Control of Stages in Turnkey Projects (EPC)										
3.1.1. 3.1.2. 3.1.3.	3	3.2.1. 3.2.2. 3.2.3.	Components - Quality Component Q Quality Analysis of the Quality Part of the Project	3.3.2.	Stage C: Main Structural Components - Health and Safety HSE Component Health and Safety Analysis of the Health and Safety Part of the Project Structure and Importance	3.4.2.	Stage C: Main Structural Components - Costs Component C. Costs Analysis of the Cost Control Part of the Project Structure and Importance				
3.5.1. 3.5.2. 3.5.3.	· ·	3.6.1. 3.6.2. 3.6.3.	3	3.7.2.	International EPC Project Analysis Global Analysis of the Project from the Management Management Reporting Processes Control of the Main KPIS of the Project	3.8.1. 3.8.2. 3.8.3.					
3.9.1. 3.9.2. 3.9.3.	Cost Control	3.10.1 3.10.2	. Non-conformity Management in EPC Projects . Main Non-Conformities in EPC Projects 2. Management Procedures 3. Analysis and Mitigation								





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.



tech 28 | Methodology

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.



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

A learning method that is different and innovative

This intensive program from TECH Technological 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.

tech 30 | Methodology

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.



Methodology | 31 **tech**

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.



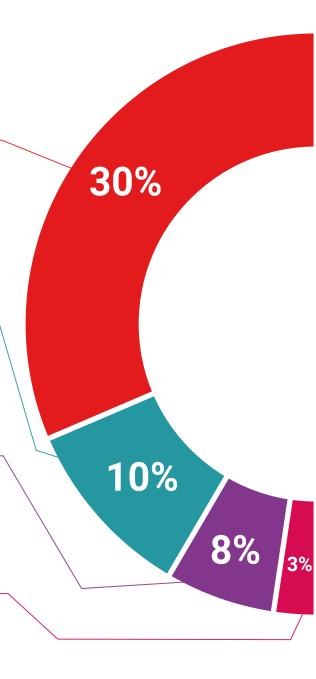
Management Skills Exercises

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.





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.

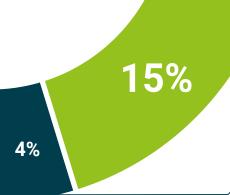


This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".

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.





30%

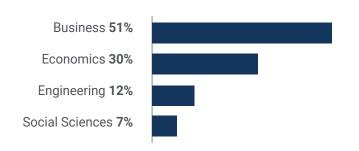




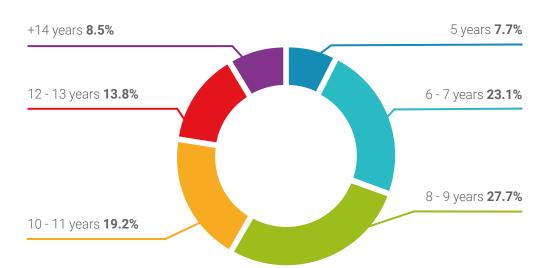
Average Age

Training

Between 35 and 45 years old



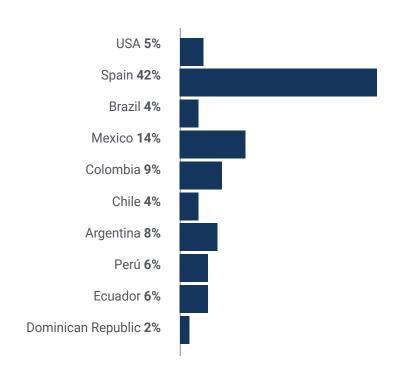
Years of Experience



Academic Profile



Geographical Distribution





Amaia Ortega

Contractor

"As a contractor I wanted to focus on EPC projects to specialize in a booming sector and this program gave me the keys I needed to apply in my day-to-day work. The content is some of the most innovative I've seen, I highly recommend it"





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







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

TECH's Postgraduate Diploma in International EPC Project Management is an intensive program that prepares students to face challenges and business decisions related to the management of EPC projects, training students in a booming sector such as the construction industry. 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 Diploma in International EPC Project Management will help you achieve it.

When the change occurs

During the program

11%

During the first year

63%

After 2 years

26%

Type of change

Internal Promotion 47%
Change of Company 45%
Entrepreneurship 8%

Salary increase

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

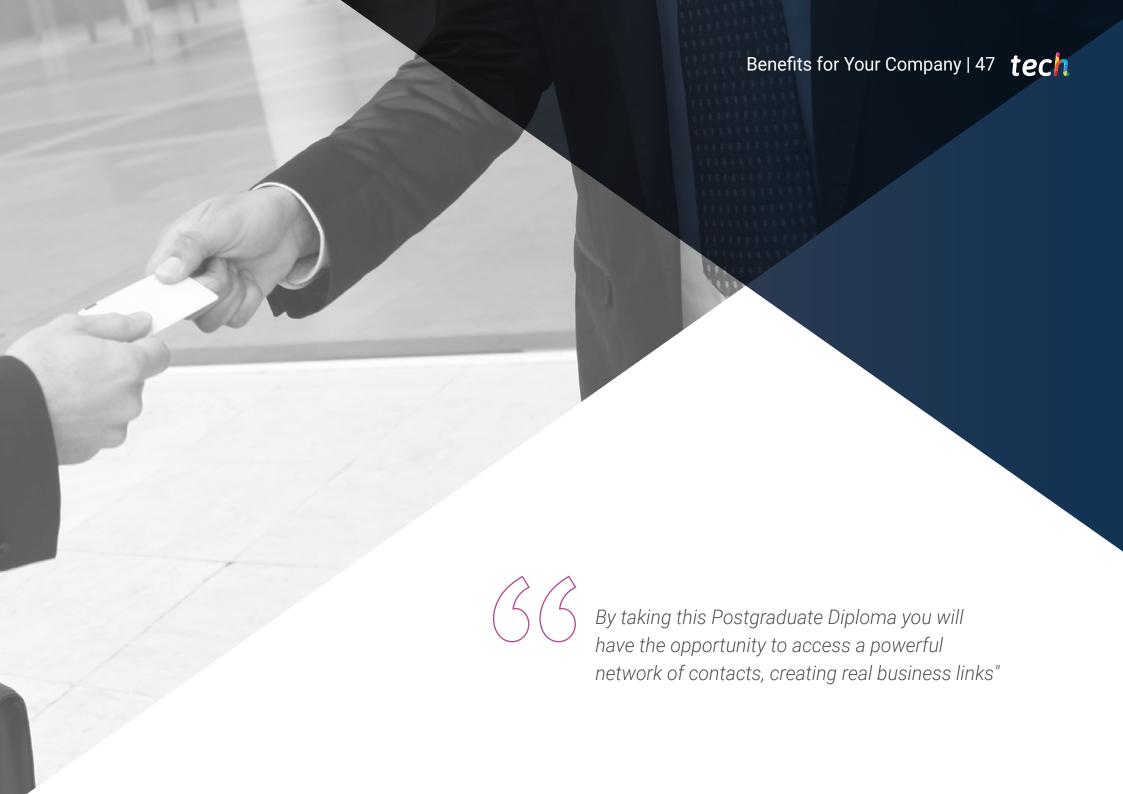
\$57.900

A salary increase of

25.22%

\$72.500





tech 48 | Benefits for Your Company

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



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.



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.



Building agents of change

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



Increased international expansion possibilities

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





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.



Increased competitiveness

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







tech 52 | Certificate

This **Postgraduate Diploma in International EPC Project Management** contains the most complete and update program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: Postgraduate Diploma in International EPC Project Management
Official N° of hours: 450 h.



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



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