Postgraduate Diploma

Strategic Operations Management and Improvement of Production Systems in the Industry

tech technological university

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Strategic Operations Management and Improvement of Production Systems in the Industry

- Modality: **online**
- Duration: **6 months**
- Certificate: **TECH Technological University**
- Dedication: **16h/week**
- Schedule: **at your own pace**
- Exams: **online**
- Aimed at: **engineers and graduates with experience who want to improve and update themselves in all the necessary aspects to be taken into account for an adequate management of an Industries company.**

Website: **www.techtitute.com/us/school-of-business/postgraduate-diploma/postgraduate-diploma-strategic-operations-management-improvement-production-systems-industry**

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01

Welcome

The production area, in its broadest sense, is one of the pillars on which the future of industrial companies rests, with production operations being one of the key elements for achieving profitability through customer satisfaction. Regarding the needs of the people in charge of this department, this educational program will delve into the methodologies that allow to improve the productive systems, without leaving aside the importance of a correct strategic management that helps the company to compete in an increasingly demanding and globalized market. In this way, students who successfully complete this qualification will be able to manage the logistics and operations areas of any industrial company with the certainty of providing the most up-to-date knowledge in the field.

Postgraduate Diploma in Strategic Operations Management and Improvement of Production Systems in the Industry. TECH Technological University

If you want to learn how to manage strategic operations within industrial companies in an effective way, then this program is for you"

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 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+
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.

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 the most rigorous and up-to-date case studies in the academic community"

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 method (a postgraduate learning methodology with the highest international rating) with the Case Study. A complex balance between tradition and state-of-the-art, within the context of the most demanding academic itinerary.

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.

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

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

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 Technological University community.

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

04

Objectives

This program is designed with the objective of strengthening the student's capabilities in everything related to operations management for industrial companies, in addition to developing new skills that will be essential in their professional development. Thus, after completing the program, the professional will be able to make global decisions with an innovative perspective and an international vision, always taking into account the importance of working efficiently by aligning all resources to achieve the objectives set by the company.

Start growing in a booming industry and position yourself as an expert in the field by studying this educational program"

The students' objectives are TECH's too. Working together to achieve them.

Postgraduate Diploma in Strategic Operations Management and Improvement of Production Systems in the Industry will enable students to:

01 Achieve detailed knowledge production units work dynamics and functionality interaction

02 Understand the role of advanced planning and the production plan in reducing incidents and problems in the development of production activities

03 Address the importance of production planning as a key tool for the company's profitability

04 Develop all the necessary skills to understand the application of the most proven production planning and control methodologies such as Just-in-time or Theory of Constraints

05 Gain in-depth knowledge of the fundamentals of lean thinking and its main differences with respect to traditional manufacturing processes

06 Analyze waste in the company, distinguishing the value of each process and the types of waste that can be found

07 Establish the 5S principles and how they can help improve productivity, as well as deepen its implementation in the company

08 Master lean diagnostic tools

09 Make a thorough analysis of operational lean tools such as SMED, JIDOKA, POKAYOKE, batch reduction and POUS

10 Delve into the principles of the Kaizen method for continuous improvement and the different methodologies, as well as the main obstacles that can be found for the implementation of Kaizen in the company

11 Analyze the roadmap for the implementation of lean in the company by delving into the general aspects of the implementation, the different phases and the success factors for the application of the Lean philosophy in the company

12 Identify KPIs that can help measure the results of Lean implementation

13 Establish the importance of quality management throughout all areas of the company

14 Identify the quality costs associated with quality management and implement a system to monitor and improve them

15 Apply the principles of lean philosophy to supply chain management and the application of a lean system to the logistics function

16 Research about new trends and strategies in the logistics function and their implementation in the company

17 Analyze the differentiating factors of successful supply chains and the differentiating elements of the value chain

18 Delve into pandemic logistics, the different scenarios and analyze the critical points of the supply chain in the current scenario, as well as the types of supply chains for the distribution of key elements such as vaccines

05

Structure and Content

The Postgraduate Diploma in Strategic Operations Management and Improvement of Production Systems in Industry is a program designed based on the current needs and requirements of the profession, and is taught in a 100% online format so that students can choose the time and place that best suits their availability, schedules and interests. In addition, by studying this program, the student will have access to the most complete and up-to-date content compendium on the market. All this, in a curriculum that takes place over 6 months and is intended to be a unique and stimulating experience that lays the foundation for your professional success.

This complete syllabus is intended to become the student's foundations when facing their daily practice"

Syllabus

Today, industrial companies face the challenge of finding new organizational techniques that will enable them to compete in a global marketplace. The lean manufacturing model, is a consolidated alternative and its application and potential must be taken into consideration by any company that intends to compete in an international environment.

This program focuses on this new aspect, but it will also delve into quality management, which has become a necessary and essential requirement to compete and survive. Quality cannot only be the responsibility of its own department, it is necessary to promote its importance so that each part of the company works to offer the highest possible level of quality to its customers. For all these reasons, this Postgraduate Diploma will go in depth into the key matters for its proper management, addressing all the aspects that must be developed in this field (techniques and tools, quality systems, audits, certification process and maintenance of the same, business excellence, etc.).

Finally, the logistics function will be discussed, which has become a fundamental element for the competitiveness of companies. Today more than ever, organizations compete in a global environment in which trained professionals specialized in logistics, supply chains and operations are needed. Providing rationality and efficiency to logistics processes is essential in a competitive and increasingly demanding environment. In this sense, logistics and supply chain management encompasses very diverse activities such as procurement, storage of raw materials or final products, order preparation and distribution, all of which must be implemented with a global vision of the company. In addition, it must be taken into account that in the current pandemic situation, it has been demonstrated more than ever that the logistics management of a supply chain is essential to obtain the necessary products, in the necessary quantities and at the right time.

This Postgraduate Diploma takes place over 6 months and is divided into 4 modules:

Module 1 Production Planning and Control

Module 2 Lean Manufacturing

Module 3 Quality Management

Module 4 The Logistics Function, Key to Compete

Where, when and how is it taught?

TECH offers the possibility of taking this program completely online. Throughout the 6 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.

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

Module 1. Production Planning and Control

1.1. Phases of Production Planning
1.1.1. Advanced Planning
1.1.2. Sales Projections, Methods
1.1.3. Definition of Takt-Time
1.1.4. Material Plan-MRP-Minimum Stock
1.1.5. Personal Plan
1.1.6. Equipment Needs

1.2. Performance Development Plan (PDP)
1.2.1. Factors to Consider
1.2.2. Push Planning
1.2.3. Pull Planning
1.2.4. Mixed Systems

1.3. Kanban
1.3.1. Types of Kanban
1.3.2. Uses of Kanban
1.3.3. Autonomous Planning: 2 Bin Kanban

1.4. Production Control
1.4.1. PDP Deviations and Reporting
1.4.2. Monitoring of Performance in Production: OEE
1.4.3. Monitoring of Total Capacity: TEEP

1.5. Production Organization
1.5.1. Production Equipment
1.5.2. Engineering Processes
1.5.3. Maintenance
1.5.4. Control of Materials

1.6. Total Productive Maintenance (TPM)
1.6.1. Corrective Maintenance
1.6.2. Autonomous Maintenance
1.6.3. Preventative Maintenance
1.6.4. Predictive Maintenance
1.6.5. Maintenance Efficiency Indicators MTBF-MTTR

1.7. Plant Layout
1.7.1. Conditioning Factors
1.7.2. Online Production
1.7.3. Production in Work Cells
1.7.4. Applications
1.7.5. SLP Methodology

1.8. *Just-In-Time* (JIT)
1.8.1. Description and Origins of JIT
1.8.2. Objectives
1.8.3. Applications of JIT. Product Sequencing

1.9. Theory of Constraints (TOC)
1.9.1. Fundamental Principles
1.9.2. The 5 Steps of TOC and its Application
1.9.3. Advantages and Disadvantages

1.10. *Quick Response Manufacturing* (QRM)
1.10.1. Description
1.10.2. Key Points for the Structuring
1.10.3. Implementation of the QRM

Module 2. *Lean Manufacturing*

2.1. Lean Thinking
2.1.1. Structure of the Lean System
2.1.2. Lean Principles
2.1.3. Lean vs. Traditional Manufacturing Processes

2.2. Waste in the Company
2.2.1. Value vs. Waste in Lean Environments
2.2.2. Types of Waste (MUDAS)
2.2.3. The Lean Thinking Process

2.3. The 5 S'
2.3.1. The 5S Principles and How They Can Help Us Improve Productivity
2.3.2. The 5 Ss Seiri, Seiton, Seiso, Seiketsu and Shitsuke.
2.3.3. Implementation of the 5S in the Company

2.4. *Lean* Diagnostic Tools. VSM Value Stream Maps
2.4.1. Value-Adding Activities (VA), Necessary Activities (NNVA) and Non-Value-Adding Activities (NVA)
2.4.2. The 7 Tools of Value Stream mapping (Value Stream Maps)
2.4.3. Process Activity Mapping
2.4.4. Mapping of Supply Chain Response
2.4.5. The Production Variety Funnel
2.4.6. Quality Filter Mapping
2.4.7. Demand Amplification Mapping
2.4.8. Decision Point Analysis
2.4.9. Physical Structure Mapping

2.5. *Lean* Operational Tools
2.5.1. SMED
2.5.2. JIDOKA
2.5.3. POKAYOKE
2.5.4. Batch Reduction
2.5.5. POUS

2.6. *Lean* Tools for Production Monitoring, Planning and Control
2.6.1. Visual Management
2.6.2. Standardization
2.6.3. Production Leveling (Heijunka)
2.6.4. Manufacturing in Cells

2.7. The Kaizen Method for Continuous Improvement
2.7.1. Kaizen Principles
2.7.2. Kaizen Methodologies: Kaizen Blitz, Gemba Kaizen, Kaizen Teian
2.7.3. Problem Solving Tools A3 Report
2.7.4. Main Obstacles for Implementing Kaizen

2.8. Roadmap for *Lean* Implementation
2.8.1. General Aspects of Implementation
2.8.2. Phases of Implantation
2.8.3. Information Technologies in Lean Implementation
2.8.4. Success Factors in Lean

2.9. *Lean* Performance Measurement KPIs
2.9.1. OEE- Overall Equipment Efficiency
2.9.2. TEEP-Total Equipment Effectiveness Performance
2.9.3. FTT-First Time Quality
2.9.4. DTD-Dock to Dock Time
2.9.5. OTD-On-Time Delivery
2.9.6. BTS-Programmed Manufacturing
2.9.7. ITO-Inventory Turnover Rate
2.9.8. VAR-Value Added Ratio
2.9.9. PPMs-Parts per Million Defects
2.9.10. DR-Delivery Rate
2.9.11. IFA-Accident Frequency Rate

2.10. Lean's Human Dimension Staff Participation Systems
2.10.1. The Team in the Lean Project. Application of Teamwork
2.10.2. Operator Versatility
2.10.3. Improvement Groups
2.10.4. Suggestion Programs

Module 3. Quality Management

3.1. Total Quality
3.1.1. Total Quality Management
3.1.2. External and Internal Customers
3.1.3. Quality Costs
3.1.4. Continuous Improvement and the Deming Philosophy

3.2. ISO 9001:15 Quality Management System
3.2.1. The 7 Principle of ISO 9001:15 Quality Management
3.2.2. Process Approach
3.2.3. ISO 9001: 9001 Requirements
3.2.4. Implementation Stages and Recommendations
3.2.5. Deployment of Targets in a Hoshin-Kanri Type Model
3.2.6. Audit Certification

3.3. Integrated Management System
3.3.1. Environmental Management Systems: ISO 14000
3.3.2. Occupational Risk Management System: ISO 45001
3.3.3. Integrating Management Systems

3.4. Excellence in Management: EFQM Model
3.4.1. EFQM Model: Principles and Fundamentals
3.4.2. New EFQM Model Criteria
3.4.3. EFQM Diagnostic Tool: REDER Matrices

3.5. Quality Tools
3.5.1. Basic Tools
3.5.2. Statistical Process Control (SPC)
3.5.3. Control Plan and Guidelines for Product Quality Management

3.6. Advanced Tools and Troubleshooting Tools
3.6.1. FMEA
3.6.2. 8D Report
3.6.3. The 5 Whys?
3.6.4. 5W + 2H
3.6.5. Benchmarking

3.7. Continuous Improvement Methodology I: PDCA
3.7.1. PDCA Cycle and Stages
3.7.2. Applying PDCA Cycle to Lean Manufacturing Development
3.7.3. Keys to Success in PDCA Projects

3.8. Continuous Improvement Methodology II: *Six Sigma*
3.8.1. Six Sigma Description
3.8.2. Six Sigma Principles
3.8.3. Six Sigma Project Selection
3.8.4. Six Sigma Project Stages: DMAIC Methodology
3.8.5. Six Sigma Roles
3.8.6. Six-Sigma and Lean Manufacturing

3.9. Quality Suppliers: Audits Tests and Laboratory
3.9.1. Reception Quality: Agreed Quality
3.9.2. Management System of Internal Audits
3.9.3. Product and Process Audits
3.9.4. Phases for Performing Audits
3.9.5. Auditor Profile
3.9.6. Tests, Laboratory and Metrology

3.10. Organization Aspects in Quality Management
3.10.1. The Role of Administration in Quality Management
3.10.2. Quality Area Organization and the Relationship with Other Areas
3.10.3. Quality Circles

Module 4. The Logistics Function, Key to Compete

4.1. Logistical Function and the Supply Chain
4.1.1. Logistics Is the Key to a Company's Success
4.1.2. Logistics Challenges
4.1.3. Key Logistics Activities. How to Derive Value from the Logistics Function?
4.1.4. Types of Supply Chains
4.1.5. Supply Chain Management
4.1.6. Logistics Costs

4.2. Logistics Optimization Strategies
4.2.1. Cross-Docking Strategy
4.2.2. Application of Agile Methodology to Logistics Management
4.2.3. Outsourcing of Logistic Processes
4.2.4. Picking or Efficient Order Picking

4.3. Lean Logistics
4.3.1. Lean Logistics in Supply Chain Management
4.3.2. Analysis of Waste in the Logistics Chain
4.3.3. Application of a Lean System in Supply Chain Management

4.4. Warehouse Management and Automation
4.4.1. The Role of Warehouses
4.4.2. The Management of a Warehouse
4.4.3. Stocks Management
4.4.4. Types of Warehouses
4.4.5. Load Units
4.4.6. Organization of a Warehouse
4.4.7. Storage and Handling Elements

4.5. Procurement Management
4.5.1. The Role of Distribution as an Essential Part of Logistics. Internal Logistics vs. External Logistics
4.5.2. The Traditional Relationship with Suppliers
4.5.3. The New Supplier Relationship Paradigm
4.5.4. How to Classify and Select our Suppliers?
4.5.5. How to Develop an Effective Procurement Management?

4.6. Logistics Information and Control Systems
4.6.1. Requirements of a Logistical Information and Control System
4.6.2. 2 Types of Logistic Information and Control Systems
4.6.3. Application of Big Data in Logistical Management
4.6.4. The Importance of Data in Logistics Management
4.6.5. The Balanced Scorecard Applied to Logistics. Main Management and Control Indicators

4.7. Reverse Logistics
4.7.1. Keys to Reverse Logistics
4.7.2. Reverse Logistics Flows vs. Direct
4.7.3. Operations within the Framework of Reverse Logistics
4.7.4. How to Implement a Reverse Distribution Channel?
4.7.5. Final Alternatives for Products in the Reverse Channel
4.7.6. Costs of Reverse Logistics

4.8. New Logistics Strategies
4.8.1. Artificial Intelligence and Robotization
4.8.2. Green Logistics and Sustainability
4.8.3. Internet of Things Applied to Logistics
4.8.4. The Digitized Warehouse
4.8.5. e-Businessand New Distribution Models
4.8.6. The Importance of Last Mile Logistics

4.9. Benchmarking of Supply Chains
4.9.1. Common Features of Successful Value Chains
4.9.2. Analysis of the Inditex Group's Value Chain
4.9.3. Analysis of Amazon's Value Chain

4.10. The Logistics of the Pandemic
4.10.1. General Scenario
4.10.2. Critical Supply Chain Issues in a Pandemic Scenario
4.10.3. Implications of Cold Chain Requirements on the Establishment of the Vaccine Supply Chain
4.10.4. Types of Supply Chains for the Distribution of Vaccines

06

Methodology

This academic program offers students 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"

TECH Business School uses the Case Study to contextualize all content

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

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

This program prepares you to face business challenges in uncertain environments and achieve business success.

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 TECH program is an intensive educational program, created from scratch to present executives with challenges and business decisions at the highest level, whether at the national or international level. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and business reality is taken into account.

> *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.

Relearning Methodology

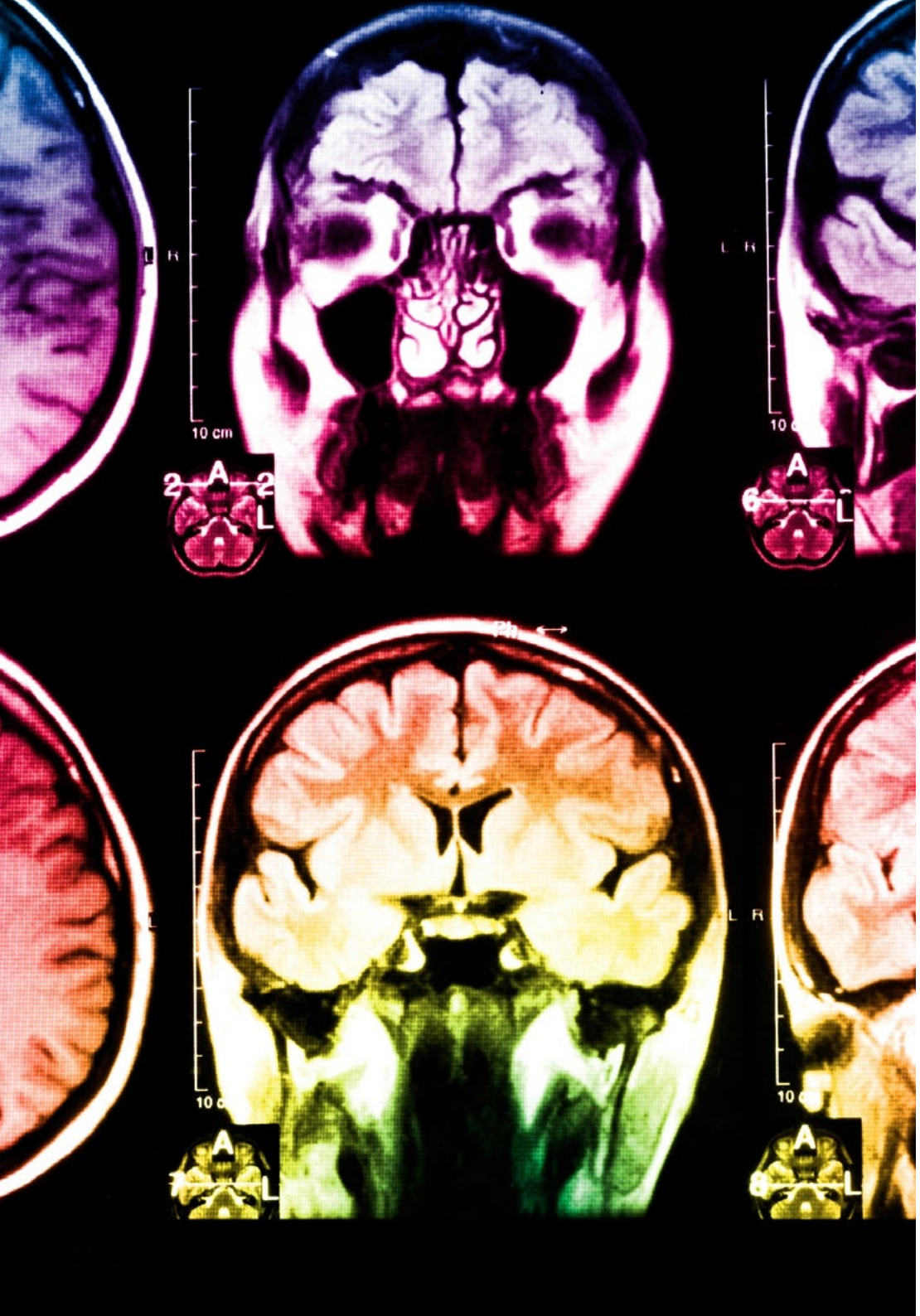
TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance the Case Study 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.

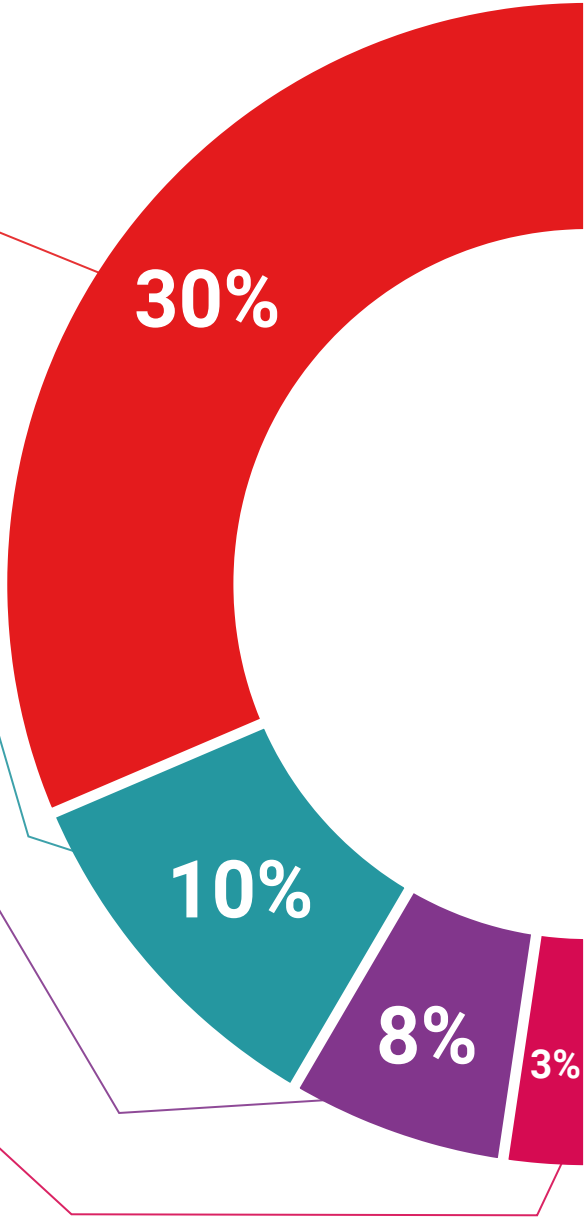
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

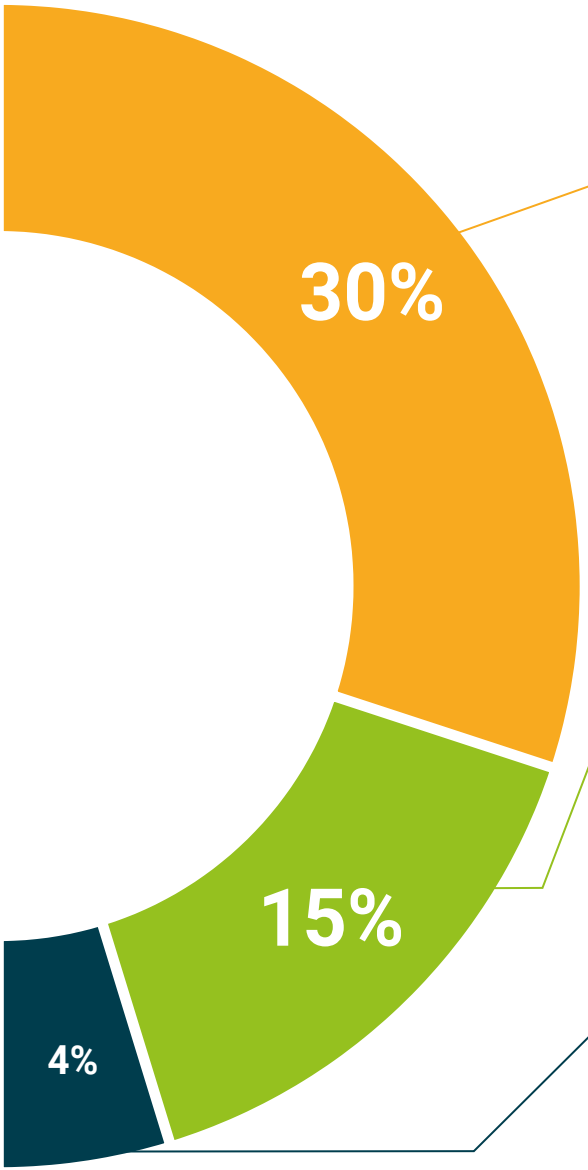
Management Skills Exercises

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

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best senior management specialists in the world.

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 educational system for presenting multimedia content 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 their goals.

07

Our Students’ Profiles

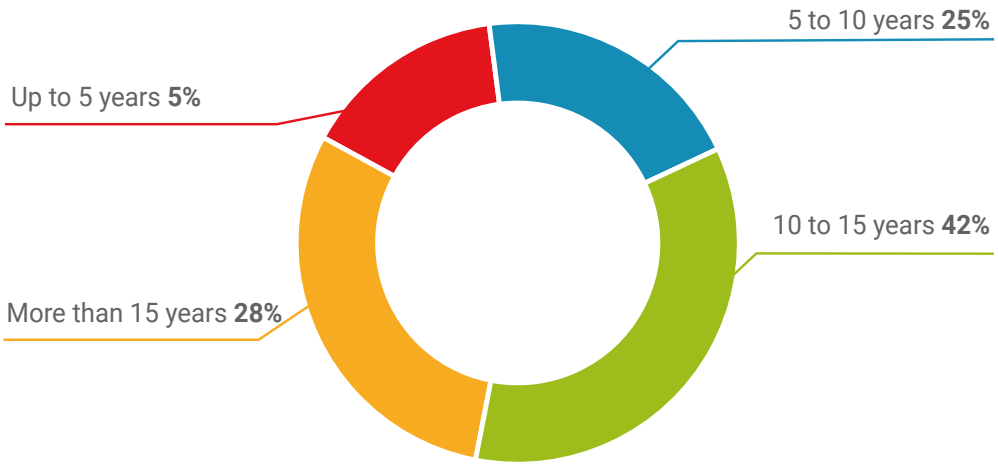
This Postgraduate Diploma is aimed at engineers and graduates with experience who want to expand their knowledge and get up to date in all the necessary aspects to be taken into account for the proper management of an industrial company. Students with these qualifications must have a sufficient knowledge base to complete the modules of the curriculum. Professionals with a university degree in any area and two years of work experience in the field ofIndustrial Managementmay also study the Postgraduate Diploma course. .

Welcome to the program that will lay the foundation for your professional growth"

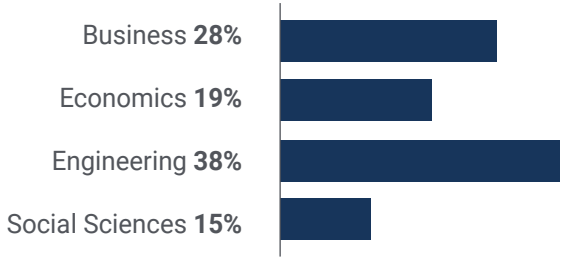
Average Age

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

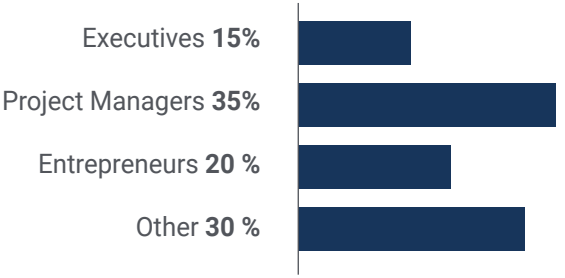
Years of Experience



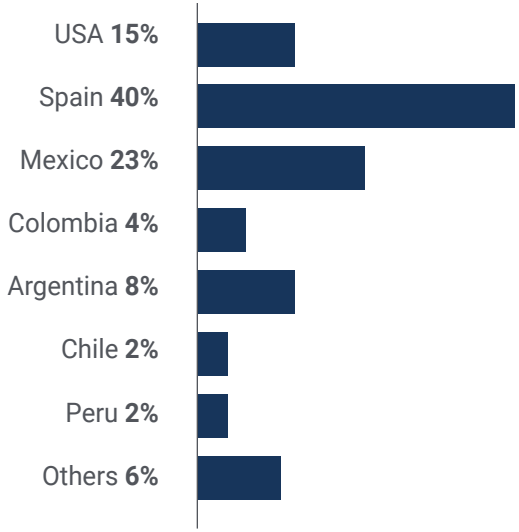
Training



Academic Profile



Geographical Distribution



Adriana Sánchez

Project manager

"I honestly could not feel more satisfied with having completed this program. I feel that I have acquired a series of transversal skills that will be very useful in my daily work. Thanks TECH"

08

Course Management

The program includes in its faculty experts of reference in everything related to project management and industrial management, who pour into this program the experience of their years of work. In addition, other experts of recognized prestige in related areas participate in its design and elaboration, completing the expert in an interdisciplinary way, making it, therefore, a unique and highly nourishing experience at an academic level for the student

Our challenge is to generate a positive change in your professional career. We are fully committed to helping you achieve it."

Management

Dr. Asensi, Francisco Andrés

- PhD in Industrial Engineering in Business Organization from the University of Castilla la Mancha (UCLM)
- Degree Industrial in Industrial Organization Engineer from the University Polytechnic of Valencia
- He has worked in several areas, such as Engineering, Quality, Production, Logistics, Information Systems and Human Resources, in companies of several industrial sectors
- He has implemented and developed a multitude of management systems for excellence (Quality, Scorecard, Lean Manufacturing, Continuous Improvement and Process Improvement) in several industrial companies
- Coach of Strategic Coaching
- Author of various business books: "The Adaptive Enterprise", "Lean Manufacturing: Key Indicators used to efficiently manage Continuous Improvement", "Lean Manufacturing: Keys to Material Flow Improvement"
- Author of several books on Personal and Professional Development: "Total Leader", "self-coaching"

Professors

Ms. Mollá Latorre, Korinna

- Responsible for international projects at AITEX, Textile Technological Institute, where she has acquired extensive experience in the management of large projects and teams related to textile materials and technologies, as well as operations, logistics and supply chain management in the textile industry
- Industrial Engineer, specialized in Industrial Organization by the Polytechnic University of Valencia
- Certified by theAmerican Production and Inventory Control Society(USA) in Production and Inventory Management and in Integrated Resource Management
- Director of Operations and Logistics for Colortex, S.A. from 1993 to 2008, implementing a Lean Manufacturing system in the company's operations
- Project technician for AIJU, Technological Institute of Toys (1992-1993)

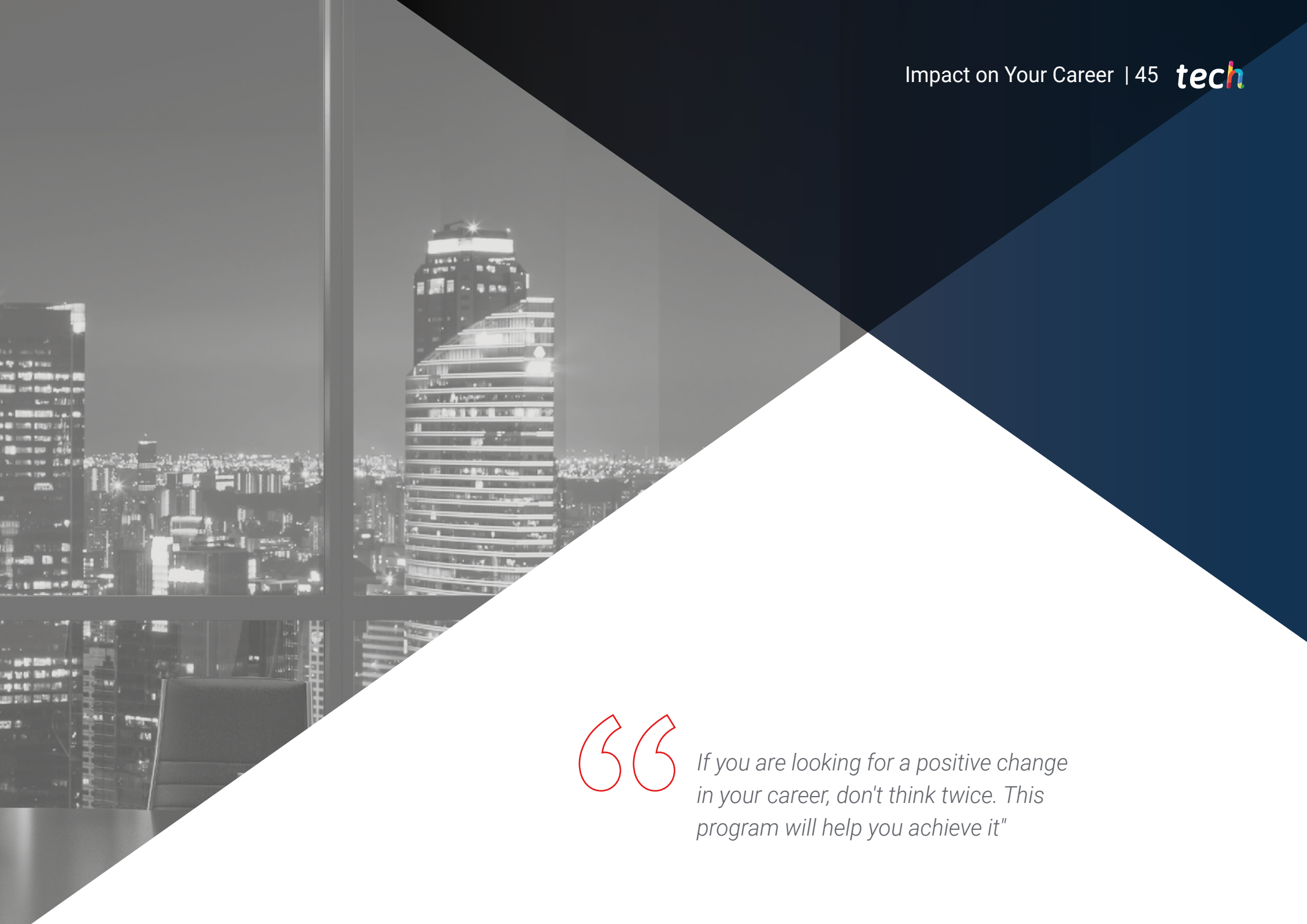
Mr. Lucero Palau, Tomás

- Director of Operations, Quality, Engineering and Maintenance in several industrial and automotive companies
- Industrial Engineer from the Polytechnic University of Valencia.v
- MBA from ESTEMA Business School
- Expert in Lean Management, applied in several companies as a consultant
- Speaker at the ABC of Operations and Logistics course at EDEM

09

Impact on Your Career

Studying this educational program will mean a competitive improvement in the CV of students who wish to develop professionally in the logistics and supply departments, as they will be able to apply the latest techniques for strategic management of operations. Likewise, they will be able to implement those working methods that allow improving the productive systems in the industries. Undoubtedly, this is a first-class program that will increase the students' job improvement options.



If you are looking for a positive change in your career, don't think twice. This program will help you achieve it"

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

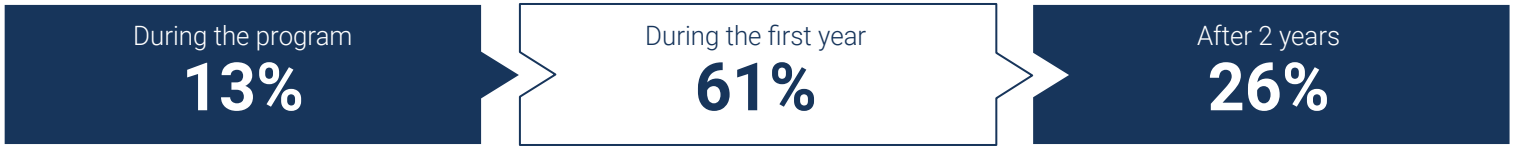
The Postgraduate Diploma in Strategic Operations Management and Improvement of Production Systems in the TECH Industry is an intensive program that prepares students to face challenges and business decisions in the field of Industrial Management. The main objective is to promote personal and professional growth. Helping students achieve success.

A program that will raise student training to the highest quality standards.

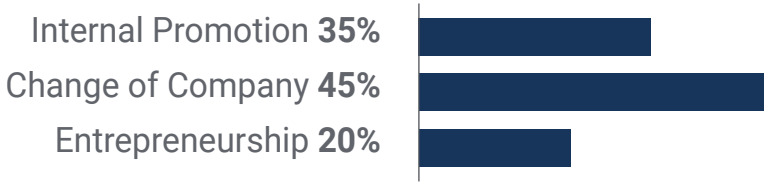
Get the job improvement you want and get access to a better paid position.

Learn from the best and achieve that superior specialization that will help you achieve professional success.

When the change occurs



Type of change



Salary increase

This program represents a salary increase of more than **25%** for our students

10

Benefits for Your Company

The Postgraduate Diploma in Strategic Operations Management and Improvement of Production Systems in Industry contributes to elevate the organization's talent to its maximum potential through the specialization of high-level leaders. Thus, participating in this specialization is a unique opportunity to access a powerful network of contacts in which to find future professional partners, customers or suppliers.

Your specialization in this field will allow you to introduce new working methods in your company"

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

01

Intellectual Capital and Talent Growth

Bring new concepts, strategies and perspectives to the company that can bring about relevant 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

Be able to make decisions in times of uncertainty and crisis, helping the organization to overcome obstacles

04

Increased international expansion possibilities

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

05

Project Development

Be able to work on a real project or develop new projects in the R+D or Business Development area of your company

06

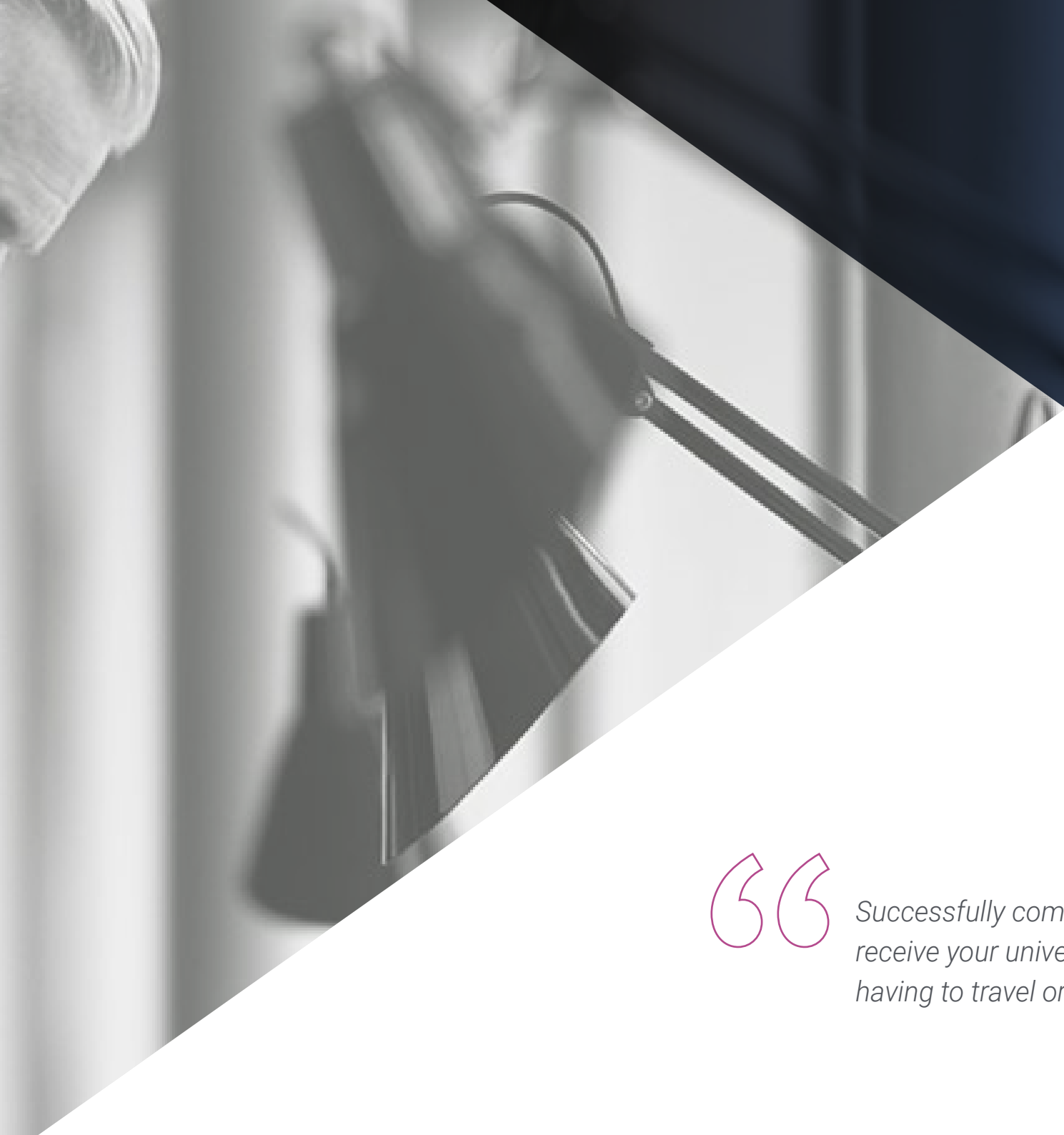
Increased competitiveness

This program will equip students with the skills to take on new challenges and drive the organization forward

11

Certificate

The Postgraduate Diploma in Strategic Operations Management and Improvement of Production Systems in the Industry guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.



Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This **Postgraduate Diploma in Strategic Operations Management and Improvement of Production Systems in the Industry** contains the most complete and up-to-date 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 Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Strategic Operations Management and Improvement of Production Systems in the Industry**

Official Nº of Hours: **600 h.**


tech technological university

Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE DIPLOMA

in

Strategic Operations Management and Improvement of ProductionSystems in the Industry

This is a qualification awarded by this University, equivalent to 600 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro

Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

*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.

tech technological university

Postgraduate Diploma
Strategic Operations Management and Improvement of Production Systems in the Industry

- Modality: **online**
- Duration: **6 months**
- Certificate: **TECH Technological University**
- Dedication: **16h/week**
- Schedule: **at your own pace**
- Exams: **online**

Postgraduate Diploma

Strategic Operations Management and Improvement of Production Systems in the Industry

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