

# Executive Master's Degree MBA in Industrial Management

M B A I M



## Executive Master's Degree MBA in Industrial Management

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Global University
- » Credits: 60 ECTS
- » 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 industrial company

Website: [www.techtute.com/us/school-of-business/professional-master-degree/master-mba-industrial-management](http://www.techtute.com/us/school-of-business/professional-master-degree/master-mba-industrial-management)

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# 01 Welcome

In an increasingly globalized world, where the competition between international companies is steadily increasing, it is necessary to work more efficiently and align all resources in order to achieve your planned objectives. Companies must use the best tools available to reach a competitive and efficient level of management and continually adapt to the needs of the market. This MBA in Industrial Management provides students with the skills and the knowledge needed to be capable of competing amongst the very best, achieving outstanding results for your business and, as a consequence, the successful career that is craved by serious professionals in the 21st century.



**MBA in Industrial Management.**  
**TECH Global University**

“

*A highly impactful educational program  
specially designed to train the best  
professionals in industrial management"*

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:



### Learn with the best

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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"*



### 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 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

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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.

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 Global 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 your skills in everything required to achieve an MBA in Industrial Management and developing new skills that will be essential to your professional development. Therefore, after completing the program, you will be able to make global decisions from an innovative perspective and with international vision, always taking into account the importance of working efficiently and aligning all the available resources in order to achieve the objectives set by the company.





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*Our main challenge is to help you achieve your academic goals and for this reason, we offer you this complete Executive Master's Degree"*



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

The MBA in Industrial Management will equip you with the ability to:

01

Implement and deploy the strategy throughout the organization using the balanced scorecard

02

Discover, define and manage the fundamental processes of value generation in the company

03

Establish the relationship between project management and corporate strategy

04

Develop procedures and best practices in project management

05

Analyze one's own leadership, motivation and communication style and show effective behaviors, indicating the most correct ways to generate commitment, play as a team and encourage the responsibility of the collaborators

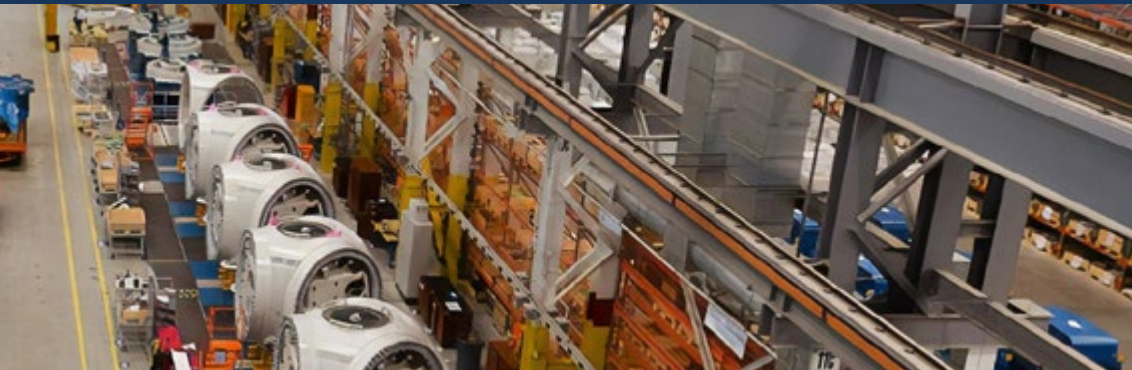


06

Analyze which aspects are important when carrying out the performance evaluation of your team and implement it successfully and in line with the organization's strategy

08

Interpret a balance sheet to avoid future risks



09

Learn in-depth about the techniques, their phases and the tools related to the conceptual design that precedes the final product design, as well as the translation of the final customer's requirements into technical specifications that the product will have to comply with

07

Conduct a comprehensive analysis of the current business environment

10

Perform an in-depth breakdown of the design process of a new product from CAD design through failure analysis and drawing through to agreement that the design will meet requirements

11

Achieve detailed knowledge production units work dynamics and functionality interaction

14

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

12

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



13

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

15

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

16

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

18

Develop different strategies to optimize the logistics function

19

Lead and face the new business models and challenges associated with the development and implementation of Industry 4.0.

17

Perform an in-depth breakdown of the challenges of the logistics function, its key activities and associated costs, and deriving value from the logistics function and deep dive into the different types of supply chains

20

Learn more about the need for digital transformation suggested by the new business challenges to successfully face the near future



# 05 Skills

After passing the assessments of the MBA in Industrial Management, professionals will have acquired the necessary skills for a quality and up to date practice based on the most innovative teaching methodology.







“

*This program will help you acquire the skills you need to excel in your daily work"*

01

Efficiently manage all aspects related to industrial management to be able to compete adequately both in the present and in a future full of challenges, opportunities and changes

02

Apply the main strategic keys to better compete in current and future times

03

Master the tools to achieve excellence, define the business strategy and its deployment throughout the organization, process management, and structural typology to be used to better adapt to changes, as well as aspects to be taken into account for sustainability, customer management, internationalization of the company and change management, which is increasingly constant

04

Manage the projects presented with both conventional and agile methodologies

05

Properly manage HR so that they can offer the company all the potential required of them and provide the maximum possible value

06

Interpret the economic and financial data of the company, while being able to use and develop the necessary tools for a better management of all aspects related to business finances



07

Better manage all the necessary steps and phases in the design and development of new products

10

Apply the Lean Manufacturing work philosophy with the objective of reducing waste in order to optimize resources and give the company the necessary flexibility and response to market demands

08

Perform production planning and control with the objective of optimizing resources and adapting to demand as well as possible

11

Develop better management of the entire supply chain and improve the flow of materials from suppliers to shipment of products to the customer

09

Manage quality throughout the organization and apply the most important tools for continuous improvement of products and processes

12

Utilize and develop the latest trends in digitization and Industry 4.0 in order to be better prepared to compete in the rapidly changing new markets

06

# Structure and Content

The MBA in Industrial Management has been created to cater for the needs of the 21st century student. It is taught in a 100% online format so that professionals can choose the time and place that best suits their availability, schedule and interests. By studying this program students will have access to the most complete and up to date content on the market in a syllabus that is studied over 12 months and will be a unique and stimulating experience, laying the foundations for their future professional success.



“

*Our syllabus will provide you with the knowledge you need to develop successfully in industrial project management”*

## Syllabus

Today's globalized and highly competitive world has forced companies to establish highly efficient work environments that will allow them to achieve their objectives. To achieve this, companies must use the best tools available to them in order to reach a competitive and efficient level of management in order to be able to adapt to the best conditions.

For this reason, it is essential that all professionals, even if they are only responsible for one area of the company, are aware of the impact their work can have on other areas and, above all, on the customer. In other words, they must have transversal knowledge.

That's why this Executive Master's Degree goes deeper into all aspects related to industrial management, and provides a more complete overview which enables better decision-making. To this end, the program relies on great professionals of recognized prestige who have in-depth knowledge and extensive experience in the sector to provide students with the key information.

The course content combines theoretical aspects with an eminently practical approach that leaves students with a deeper understanding of the inner workings of an industrial company.

In this way, students will gain the capacity and tools necessary to efficiently manage all aspects related to industrial management, in order to be able to compete adequately both in the present and in a future full of challenges, opportunities and changes.

Our teachers' wealth of knowledge in their field of management within the industry, adds a level of quality to the program and not only does it link it to the day-to-day reality within this profession but also provides an insider's vision of how best to adapt to the future. All of these factors have led to the creation of a table of contents which has been specially designed to reflect the reality of the profession and the tools that every professional should master in order to adequately face the continuous changes that they have to deal with.

This program will enable professionals to update and specialize themselves placing them at the forefront of the latest developments in their sector of expertise.

<b>Module 1</b>	Strategic Tips to Improve Competitiveness
<b>Module 2</b>	Project Management
<b>Module 3</b>	Leadership and People Management
<b>Module 4</b>	Corporate Finance. An Economic-Financial Approach
<b>Module 5</b>	Product Design and Development
<b>Module 6</b>	Production Planning and Control
<b>Module 7</b>	Lean Manufacturing
<b>Module 8</b>	Quality Management
<b>Module 9</b>	The Logistics Function, Key to Compete
<b>Module 10</b>	Industry 4.0 and Business Intelligence. The Digitized Company



### Where, when and how is it taught?

TECH offers you the possibility of taking this program completely online. Over the 12 months of the program, 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. Strategic Tips to Improve Competitiveness**

**1.1. Excellence in Today's Business**

- 1.1.1. Adaptation to VUCA Environments
- 1.1.2. Satisfaction of Stakeholders
- 1.1.3. World Class Manufacturing
- 1.1.4. Measurement of Excellence: Net Promoter Score

**1.2. Design of Business Strategy**

- 1.2.1. General Strategy Definition Process
- 1.2.2. Definition of the Current Situation Positioning Models
- 1.2.3. Possible Strategic Moves
- 1.2.4. Strategic Models of Action
- 1.2.5. Functional and Organizational Strategies
- 1.2.6. Environmental and Organizational Analysis. SWOT Analysis for Decision Making

**1.3. Strategy Deployment. Balanced Scorecard**

- 1.3.1. Mission, Vision, Values and Principles of Action
- 1.3.2. Need for a Balanced Scorecard
- 1.3.3. Perspectives to Be Used in CMI
- 1.3.4. Strategic Map
- 1.3.5. Phases to Implement a Good CMI
- 1.3.6. General Map of CMI

**1.4. Process Management**

- 1.4.1. Process Description
- 1.4.2. Types of Processes. Main Processes
- 1.4.3. Process Prioritization
- 1.4.4. Process Representation
- 1.4.5. Measuring Processes for Improvement
- 1.4.6. Business Process Mapping
- 1.4.7. Process Reengineering

**1.5. Structural Typologies. Agile Organizations ERR**

- 1.5.1. Structural Typologies
- 1.5.2. The Company Seen as an Adaptable System
- 1.5.3. The Horizontal Business
- 1.5.4. Characteristics and Key Factors of Agile Organizations (RRA)
- 1.5.5. The Organizations of the Future: The TEAL Organization

**1.6. Business Model Design**

- 1.6.1. Canvas Model for Business Model Design
- 1.6.2. Lean Startup Methodology in the Creation of New Businesses and Products
- 1.6.3. The Blue Ocean Strategy

**1.7. Corporate Social Responsibility and Sustainability**

- 1.7.1. Corporate Social Responsibility (CSR): ISO 26000
- 1.7.2. Sustainable Development Goals SDGs
- 1.7.3. The 2030 Agenda

**1.8. Customer Management**

- 1.8.1. The Need to Manage Customer Relationships
- 1.8.2. Customer Management Elements
- 1.8.3. Technology and Customer Management CRM

**1.9. Management in International Environments**

- 1.9.1. The Importance of Internationalization
- 1.9.2. Export Potential Diagnosis
- 1.9.3. Elaboration of the Internationalization Plan
- 1.9.4. Implementation of the Internationalization Plan
- 1.9.5. Export Assistance Tools

**1.10. Change Management**

- 1.10.1. The Dynamics of Change in Companies
- 1.10.2. Obstacles to Change
- 1.10.3. Factors of Adaptation to Change
- 1.10.4. Kotter's Methodology for Change Management

**Module 2. Project Management****2.1. The Project**

- 2.1.1. Fundamental Project Components
- 2.1.2. Project Director
- 2.1.3. Project Environment

**2.2. Project Scope Management**

- 2.2.1. Scope Analysis
- 2.2.2. Project Scope Planning
- 2.2.3. Project Scope Control

**2.3. Schedule Management**

- 2.3.1. The Importance of Planning
- 2.3.2. Project Planning Management  
Project Schedule
- 2.3.3. Trends in Time Management

**2.4. Cost Management**

- 2.4.1. Project Cost Analysis
- 2.4.2. Financial Project Selection
- 2.4.3. Project Cost Planning
- 2.4.4. Project Cost Control

**2.5. Quality, Resources and Procurement**

- 2.5.1. Total Quality and Project Direction
- 2.5.2. Project Resources
- 2.5.3. Acquisition, Recruitment System

**2.6. Project Stakeholders and Communications**

- 2.6.1. Importance of Stakeholders
- 2.6.2. Project Stakeholders Management
- 2.6.3. Project Communication

**2.7. Project Risk Management**

- 2.7.1. Fundamental Principles in Risk Management
- 2.7.2. Process Management for Project Risk  
Management
- 2.7.3. Trends in Risk Management

**2.8. Integrated Project Management**

- 2.8.1. Strategic Planning and Project Management
- 2.8.2. Project Management Plan
- 2.8.3. Implementation and Control Processes
- 2.8.4. Project Closing

**2.9. Agile Methodologies I: Scrum**

- 2.9.1. Agile and Scrum Principles
- 2.9.2. Scrum Team
- 2.9.3. Scrum Events
- 2.9.4. Scrum Artifacts

**2.10. Agile Methodologies II: Kanban**

- 2.10.1. Kanban Principles
- 2.10.2. Kanban and Scrumban
- 2.10.3. Certifications



**Module 3. Leadership and People Management**

**3.1. The Role of the Leader**

- 3.1.1. Leadership in Effective People Management
- 3.1.2. Types of Decision-Making Style in People Management
- 3.1.3. The Coach Leader
- 3.1.4. Self-Directed Teams and Empowerment

**3.2. Team Motivation**

- 3.2.1. Needs and Expectations
- 3.2.2. Effective Recognition
- 3.2.3. How Can Team Cohesion Be Strengthened?

**3.3. Communication and Conflict Resolution**

- 3.3.1. Intelligent Communication
- 3.3.2. Constructive Conflict Management
- 3.3.3. Conflict Solving Strategies

**3.4. Emotional Intelligence in People Management**

- 3.4.1. Emotion, Feelings and Mood
- 3.4.2. Emotional Intelligence
- 3.4.3. Ability Model (Mayer and Salovey): Identify, Use, Understand and Manage
- 3.4.4. Emotional Intelligence and Personnel Recruitment

**3.5. Indicators in People Management**

- 3.5.1. Productivity
- 3.5.2. Staff Turnover
- 3.5.3. Talent Retention Rate
- 3.5.4. Staff Satisfaction Rate
- 3.5.5. Average Time of Unfilled Vacancies
- 3.5.6. Average Training Time
- 3.5.7. Average Time to Achieve Goals
- 3.5.8. Absenteeism Levels
- 3.5.9. Occupational Accidents

**3.6. Performance Evaluation**

- 3.6.1. Performance Assessment Components and Cycle
- 3.6.2. 360° Assessment
- 3.6.3. Performance Management: A Process and a System
- 3.6.4. Management by Objectives
- 3.6.5. Operation of the Performance Assessment Process

**3.7. Training Plan**

- 3.7.1. Fundamental Principles
- 3.7.2. Identification of Training Needs
- 3.7.3. Training Plan
- 3.7.4. Training and Development Indicators

**3.8. Identification of Potential**

- 3.8.1. Potential
- 3.8.2. Soft Skills as a Key High-Potential Initiator
- 3.8.3. Methodologies for Identifying Potential: Learning Agility Assessment (Lominger) and Growth Factors

**3.9. Talent Map**

- 3.9.1. George Odiorne-4 Box Matrix
- 3.9.2. 9-Box Matrix
- 3.9.3. Strategic Actions to Achieve Effective Talent Outcomes

**3.10. Talent Development Strategy and ROI**

- 3.10.1. 70-20-10 Learning Model for Soft Skills
- 3.10.2. Career Paths and Succession
- 3.10.3. Talent ROI

**Module 4. Corporate Finance. An Economic-Financial Approach****4.1. The Company in Our Environment**

- 4.1.1. Production Costs
- 4.1.2. The Company in Competitive Markets
- 4.1.3. Monopolistic Competition

**4.2. Analysis of Financial Statements I: the Balance Sheet**

- 4.2.1. Assets. CP and LP Resources
- 4.2.2. Liabilities. Obligations to CP and LP
- 4.2.3. Shareholders' Equity. Shareholder Returns

**4.3. Analysis of Financial Statements II: the Income Statement**

- 4.3.1. The Structure of the Income Statement. Revenues, Costs, Expenses and Result
- 4.3.2. Main Ratios to Analyze the Income Statement
- 4.3.3. Profitability Analysis

**4.4. Treasury Management**

- 4.4.1. Income and Payments. Cash-Forecast
- 4.4.2. Impact and Management of Cash Deficits/ Surplus. Corrective Actions
- 4.4.3. Analysis of Cash Flow
- 4.4.4. Management and Impact of Debt Portfolio

**4.5. Sources of Financing to CP and LP**

- 4.5.1. Financing to CP, Tools
- 4.5.2. Financing to LP, Tools
- 4.5.3. Types of interest and Their Structure

**4.6. Interaction between the Company and the Bank**

- 4.6.1. The Financial System and the Banking Business
- 4.6.2. Banking Products for the Company
- 4.6.3. The Company Analyzed by the Bank

**4.7. Analytical or Cost Accounting**

- 4.7.1. Types of Costs Decisions Based on Costs
- 4.7.2. Full Costing
- 4.7.3. Direct Costing
- 4.7.4. Cost Model Based on Centers and Activities

**4.8. Investment Analysis and Valuation**

- 4.8.1. The Company and Investment Decisions. Scenarios and Situations
- 4.8.2. Investment Valuation
- 4.8.3. Valuation of Companies

**4.9. Corporate Accounting**

- 4.9.1. Capital Increase and Reduction
- 4.9.2. Dissolution, Liquidation and Transformation of Companies
- 4.9.3. Combinations of Companies: Mergers and Acquisitions

**4.10. Foreign Trade Finance**

- 4.10.1. Foreign Markets: The Decision to Export
- 4.10.2. The Foreign Exchange Market
- 4.10.3. International Payment and Collection Methods
- 4.10.4. Transportation, Incoterms and Insurance

**Module 5. Product Design and Development**

**5.1. QFD (Quality Function Deployment) in Product Design and Development**

- 5.1.1. From the Voice of the Customer to Technical Requirements
- 5.1.2. The House of Quality/Phases for its Development
- 5.1.3. Advantages and Limitations

**5.2. Design Thinking**

- 5.2.1. Design, Need, Technology and Strategy
- 5.2.2. Stages of the Process
- 5.2.3. Tools and Techniques Used

**5.3. Concurrent Engineering**

- 5.3.1. Fundamentals of Concurrent Engineering
- 5.3.2. Methodology of Concurrent Engineering
- 5.3.3. Tools Used

**5.4. Programming, Planning and Definition**

- 5.4.1. Requirements. Quality Management
- 5.4.2. Development Phases. Time Management
- 5.4.3. Materials, Feasibility, Processes. Cost Management
- 5.4.4. Project Equipment. Human Resource Management
- 5.4.5. Information. Communications Management
- 5.4.6. Risk Analysis. Risk Management

**5.5. Products. Their Design (CAD) and Development**

- 5.5.1. Information Management /PLM / Product Life Cycle
- 5.5.2. Modes and Effects of Product Failure
- 5.5.3. CAD Construction. Review
- 5.5.4. Product and Manufacturing Plans
- 5.5.5. Design Verification

**5.6. Prototypes. Their Development**

- 5.6.1. Rapid Prototyping
- 5.6.2. Control Plan
- 5.6.3. Experiment Design
- 5.6.4. The Analysis of Measurement Systems

**5.7. Productive Process. Design and Development**

- 5.7.1. Modes and Effects of Process Failure
- 5.7.2. Design and Construction of Manufacturing Tools
- 5.7.3. Design and Construction of Control Tools (Gauges)
- 5.7.4. Adjustment Phase
- 5.7.5. Production Start-Up
- 5.7.6. Initial Evaluation of the Process

**5.8. Product and Process. Its Validation**

- 5.8.1. Evaluation of Measurement Systems
- 5.8.2. Validation Tests
- 5.8.3. Statistical Process Control (SPC)
- 5.8.4. Product Certification

**5.9. Change Management. Improvement and Corrective Actions**

- 5.9.1. Type of Change
- 5.9.2. Variability Analysis, Improvement
- 5.9.3. Lessons Learned and Practices Tested
- 5.9.4. Process of Change

**5.10. Innovation and Technology Transfer**

- 5.10.1. Intellectual Property
- 5.10.2. Innovation
- 5.10.3. Technological Transfer

**Module 6. Production Planning and Control****6.1. Phases of Production Planning**

- 6.1.1. Advanced Planning
- 6.1.2. Sales Projections, Methods
- 6.1.3. Definition of Takt-Time
- 6.1.4. Material Plan-MRP-Minimum Stock
- 6.1.5. Personal Plan
- 6.1.6. Equipment Needs

**6.2. Performance Development Plan (PDP)**

- 6.2.1. Factors to Consider
- 6.2.2. Push Planning
- 6.2.3. Pull Planning
- 6.2.4. Mixed Systems

**6.3. Kanban**

- 6.3.1. Types of Kanban
- 6.3.2. Uses of Kanban
- 6.3.3. Autonomous Planning: 2 Bin Kanban

**6.4. Production Control**

- 6.4.1. PDP Deviations and Reporting
- 6.4.2. Monitoring of Performance in Production: OEE
- 6.4.3. Monitoring of Total Capacity: TEEP

**6.5. Production Organization**

- 6.5.1. Production Equipment
- 6.5.2. Engineering Processes
- 6.5.3. Maintenance
- 6.5.4. Control of Materials

**6.6. Total Productive Maintenance (TPM)**

- 6.6.1. Corrective Maintenance
- 6.6.2. Autonomous Maintenance
- 6.6.3. Preventative Maintenance
- 6.6.4. Predictive Maintenance
- 6.6.5. Maintenance Efficiency Indicators  
MTBF-MTTR

**6.7. Plant Layout**

- 6.7.1. Conditioning Factors
- 6.7.2. Online Production
- 6.7.3. Production in Work Cells
- 6.7.4. Applications
- 6.7.5. SLP Methodology

**6.8. Just-In-Time (JIT)**

- 6.8.1. Description and Origins of JIT
- 6.8.2. Objectives
- 6.8.3. Applications of JIT. Product Sequencing

**6.9. Theory of Constraints (TOC)**

- 6.9.1. Fundamental Principles
- 6.9.2. The 5 Steps of TOC and its Application
- 6.9.3. Advantages and Disadvantages

**6.10. Quick Response Manufacturing (QRM)**

- 6.10.1. Description
- 6.10.2. Key Points for the Structuring
- 6.10.3. Implementation of the QRM

**Module 7. Lean Manufacturing**

**7.1. Lean Thinking**

- 7.1.1. Structure of the Lean System
- 7.1.2. Lean Principles
- 7.1.3. Lean vs. Traditional Manufacturing Processes

**7.2. Waste in the Company**

- 7.2.1. Value vs. Waste in Lean Environments
- 7.2.2. Types of Waste (MUDAS)
- 7.2.3. The Lean Thinking Process

**7.3. The 5 S'**

- 7.3.1. The 5S Principles and How They Can Help Us Improve Productivity
- 7.3.2. The 5 S' Seiri, Seiton, Seiso, Seiketsu and Shitsuke
- 7.3.3. Implementation of the 5S in the Company

**7.4. Lean Diagnostic Tools. VSM Value Stream Maps**

- 7.4.1. Value-Adding Activities (VA), Necessary Activities (NNVA) and Non-Value-Adding Activities (NVA)
- 7.4.2. The 7 Tools of Value Stream mapping (Value Stream Maps)
- 7.4.3. Process Activity Mapping
- 7.4.4. Mapping of Supply Chain Response
- 7.4.5. The Production Variety Funnel
- 7.4.6. Quality Filter Mapping
- 7.4.7. Demand Amplification Mapping
- 7.4.8. Decision Point Analysis
- 7.4.9. Physical Structure Mapping

**7.5. Lean Operational Tools**

- 7.5.1. SMED
- 7.5.2. JIDOKA
- 7.5.3. POKAYOKE
- 7.5.4. Batch Reduction
- 7.5.5. POUS

**7.6. Lean Tools for Production Monitoring, Planning and Control**

- 7.6.1. Visual Management
- 7.6.2. Standardization
- 7.6.3. Production Leveling (Heijunka)
- 7.6.4. Manufacturing in Cells

**7.7. The Kaizen Method for Continuous Improvement**

- 7.7.1. Kaizen Principles
- 7.7.2. Kaizen Methodologies: Kaizen Blitz, Gemba Kaizen, Kaizen Teian
- 7.7.3. Problem Solving Tools A3 Report
- 7.7.4. Main Obstacles for Implementing Kaizen

**7.8. Roadmap for Lean Implementation**

- 7.8.1. General Aspects of Implementation
- 7.8.2. Phases of Implantation
- 7.8.3. Information Technologies in Lean Implementation
- 7.8.4. Success Factors in Lean Implementation

**7.9. Lean Performance Measurement KPIs**

- 7.9.1. OEE- Overall Equipment Efficiency
- 7.9.2. TEEP-Total Equipment Effectiveness Performance
- 7.9.3. FTT-First Time Quality
- 7.9.4. DTD-Dock to Dock Time
- 7.9.5. OTD-On-Time Delivery
- 7.9.6. BTS-Programmed Manufacturing
- 7.9.7. ITO-Inventory Turnover Rate
- 7.9.8. VAR-Value Added Ratio
- 7.9.9. PPMs-Parts per Million Defects
- 7.9.10. DR-Delivery Rate
- 7.9.11. IFA-Accident Frequency Rate

**7.10. Lean's Human Dimension Staff Participation Systems**

- 7.10.1. The Team in the Lean Project. Application of Teamwork
- 7.10.2. Operator Versatility
- 7.10.3. Improvement Groups
- 7.10.4. Suggestion Programs

**Module 8. Quality Management****8.1. Total Quality**

- 8.1.1. Total Quality Management
- 8.1.2. External and Internal Customers
- 8.1.3. Quality Costs
- 8.1.4. Continuous Improvement and the Deming Philosophy

**8.2. ISO 9001:15 Quality Management System**

- 8.2.1. The 7 Principle of ISO 9001:15 Quality Management
- 8.2.2. Process Approach
- 8.2.3. ISO 9001: 9001 Requirements
- 8.2.4. Implementation Stages and Recommendations
- 8.2.5. Deployment of Targets in a Hoshin-Kanri Type Model
- 8.2.6. Audit Certification

**8.3. Integrated Management System**

- 8.3.1. Environmental Management Systems: ISO 14000
- 8.3.2. Occupational Risk Management System: ISO 45001
- 8.3.3. Integrating Management Systems

**8.4. Excellence in Management: EFQM Model**

- 8.4.1. EFQM Model: Principles and Fundamentals
- 8.4.2. New EFQM Model Criteria
- 8.4.3. EFQM Diagnostic Tool: REDER Matrices

**8.5. Quality Tools**

- 8.5.1. Basic Tools
- 8.5.2. Statistical Process Control (SPC)
- 8.5.3. Control Plan and Guidelines for Product Quality Management

**8.6. Advanced Tools and Troubleshooting Tools**

- 8.6.1. FMEA
- 8.6.2. 8D Report
- 8.6.3. The 5 Whys
- 8.6.4. 5W + 2H
- 8.6.5. Benchmarking

**8.7. Continuous Improvement Methodology I: PDCA**

- 8.7.1. PDCA Cycle and Stages
- 8.7.2. Applying PDCA Cycle to Lean Manufacturing Development
- 8.7.3. Keys to Success in PDCA Projects

**8.8. Continuous Improvement Methodology II: Six Sigma**

- 8.8.1. Six Sigma Description
- 8.8.2. Six Sigma Principles
- 8.8.3. Six Sigma Project Selection
- 8.8.4. Six Sigma Project Stages: DMAIC Methodology
- 8.8.5. Six Sigma Roles
- 8.8.6. Six-Sigma and Lean Manufacturing

**8.9. Quality Suppliers: Audits Tests and Laboratory**

- 8.9.1. Reception Quality: Agreed Quality
- 8.9.2. Management System of Internal Audits
- 8.9.3. Product and Process Audits
- 8.9.4. Phases for Performing Audits
- 8.9.5. Auditor Profile
- 8.9.6. Tests, Laboratory and Metrology

**8.10. Organization Aspects in Quality Management**

- 8.10.1. The Role of Administration in Quality Management
- 8.10.2. Quality Area Organization and the Relationship with Other Areas
- 8.10.3. Quality Circles

**Module 9. The Logistics Function, Key to Compete**

**9.1. Logistical Function and the Supply Chain**

- 9.1.1. Logistics Is the Key to a Company's Success
- 9.1.2. Logistics Challenges
- 9.1.3. Key Logistics Activities. How to Derive Value from the Logistics Function
- 9.1.4. Types of Supply Chains
- 9.1.5. Supply Chain Management
- 9.1.6. Logistics Costs

**9.2. Logistics Optimization Strategies**

- 9.2.1. Cross-Docking Strategy
- 9.2.2. Application of Agile Methodology to Logistics Management
- 9.2.3. Outsourcing of Logistic Processes
- 9.2.4. Picking or Efficient Order Picking

**9.3. Lean Logistics**

- 9.3.1. Lean Logistics in Supply Chain Management
- 9.3.2. Analysis of Waste in the Logistics Chain
- 9.3.3. Application of a Lean System in Supply Chain Management

**9.4. Warehouse Management and Automation**

- 9.4.1. The Role of Warehouses
- 9.4.2. The Management of a Warehouse
- 9.4.3. Stocks Management
- 9.4.4. Types of Warehouses
- 9.4.5. Load Units
- 9.4.6. Organization of a Warehouse
- 9.4.7. Storage and Handling Elements

**9.5. Procurement Management**

- 9.5.1. The Role of Distribution as an Essential Part of Logistics. Internal Logistics vs. External Logistics
- 9.5.2. The Traditional Relationship with Suppliers
- 9.5.3. The New Supplier Relationship Paradigm
- 9.5.4. How to Classify and Select our Suppliers
- 9.5.5. How to Develop an Effective Procurement Management

**9.6. Logistics Information and Control Systems**

- 9.6.1. Requirements of a Logistical Information and Control System
- 9.6.2. 2 Types of Logistic Information and Control Systems
- 9.6.3. Application of Big Data in Logistical Management
- 9.6.4. The Importance of Data in Logistics Management
- 9.6.5. The Balanced Scorecard Applied to Logistics. Main Management and Control Indicators

**9.7. Reverse Logistics**

- 9.7.1. Keys to Reverse Logistics
- 9.7.2. Reverse Logistics Flows vs. Direct
- 9.7.3. Operations within the Framework of Reverse Logistics
- 9.7.4. How to Implement a Reverse Distribution Channel
- 9.7.5. Final Alternatives for Products in the Reverse Channel
- 9.7.6. Costs of Reverse Logistics

**9.8. New Logistics Strategies**

- 9.8.1. Artificial Intelligence and Robotization
- 9.8.2. Green Logistics and Sustainability
- 9.8.3. Internet of Things Applied to Logistics
- 9.8.4. The Digitized Warehouse
- 9.8.5. E-Business and New Distribution Models
- 9.8.6. The Importance of Last Mile Logistics

**9.9. Benchmarking of Supply Chains**

- 9.9.1. Common Features of Successful Value Chains
- 9.9.2. Analysis of the Inditex Group's Value Chain
- 9.9.3. Analysis of Amazon's Value Chain

**9.10. The Logistics of the Pandemic**

- 9.10.1. General Scenario
- 9.10.2. Critical Supply Chain Issues in a Pandemic Scenario
- 9.10.3. Implications of Cold Chain Requirements on the Establishment of the Vaccine Supply Chain
- 9.10.4. Types of Supply Chains for the Distribution of Vaccines



**Module 10. Industry 4.0 and Business Intelligence. The Digitized Company**

**10.1. Automation and Industrial Robotics**

- 10.1.1. Process Automation Phases
- 10.1.2. Industrial Hardware for Automation and Robotics
- 10.1.3. The Work Cycle and Its Software Programming

**10.2. Process Automation: RPA**

- 10.2.1. Administrative Processes that Can Be Automated
- 10.2.2. Software Structure
- 10.2.3. Application Examples

**10.3. MES, SCADA, CMMS, WMS, MRPII Systems**

- 10.3.1. Production Control with MES Systems
- 10.3.2. Engineering and Maintenance: SCADA AND CMMS
- 10.3.3. Procurement and Logistics: WMS and MPRII

**10.4. Business Intelligence Software**

- 10.4.1. BI Fundamentals
- 10.4.2. Software Structure
- 10.4.3. Possibilities of Its Implementation

**10.5. Software ERP**

- 10.5.1. ERP Description
- 10.5.2. Scope of Use
- 10.5.3. Main ERP on the Market

**10.6. IoT and Business Intelligence**

- 10.6.1. IoT: the Connected World
- 10.6.2. Data Sources
- 10.6.3. Control Using IoT + BI
- 10.6.4. Blockchain

**10.7. Main BI Software on the Market**

- 10.7.1. Power BI
- 10.7.2. Qlik
- 10.7.3. Tableau

**10.8. Microsoft Power Bi**

- 10.8.1. Features
- 10.8.2. Application Examples
- 10.8.3. The Future of Power Bi

**10.9. Machine Learning, Artificial Intelligence, Optimization and Prediction in the Company**

- 10.9.1. Machine Learning and Artificial Intelligence
- 10.9.2. Process Optimization
- 10.9.3. The Importance of Data-Driven Forecasting

**10.10. Big Data Applied to the Business Environment**

- 10.10.1. Applications in the Production Environment
- 10.10.2. Applications at the Strategic Management Level
- 10.10.3. Marketing and Sales Applications



*A unique, key, and decisive academic experience to boost your professional development and take the definitive leap”*

07

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach known as **Relearning**.

This teaching system is used in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** consider 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 professional 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 honored 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.



08

# Our Students' Profiles

This Executive Master's Degree is aimed at experienced engineers and graduates who want to delve deeper into their area of expertise and update themselves in all aspects related to the successful management of an industrial company. Students with these qualifications must have a sufficient base of knowledge in order to be able to complete the modules on the curriculum. Professionals with a university degree in any area and two years of work experience in the field of MBA Industrial Management may also study the Executive Master's Degree.





“

*If you have project management experience and are looking for an interesting career enhancement while continuing to work, this is the program for you”*

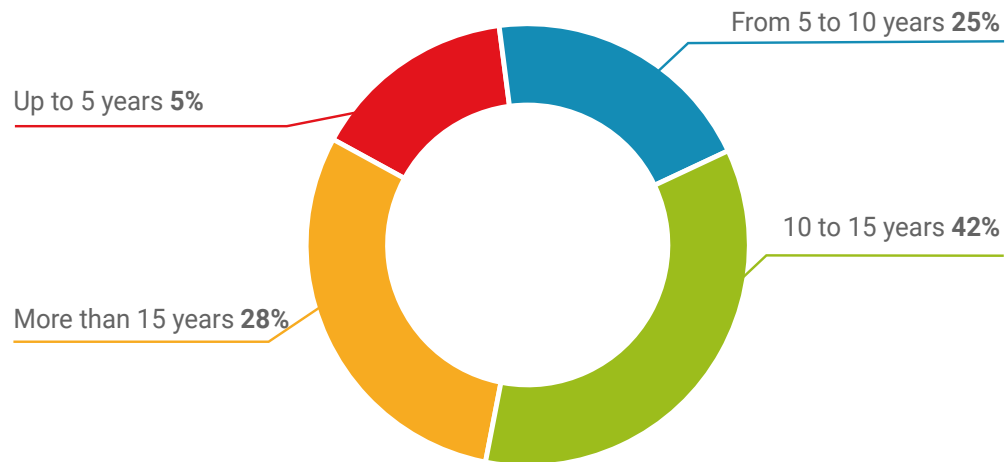
### Average Age

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

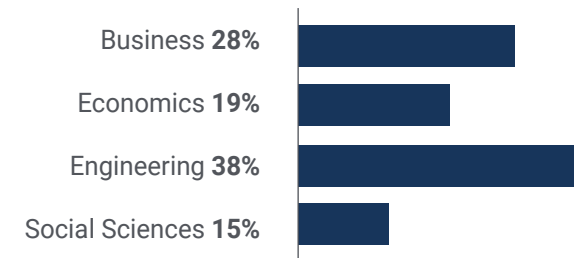
### Years of Experience

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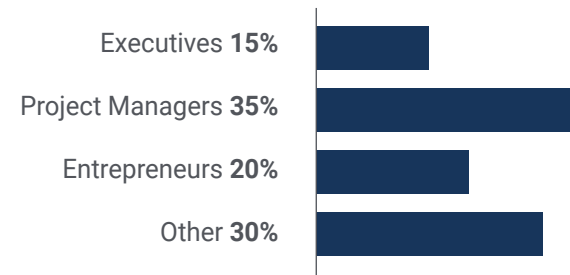
### Training

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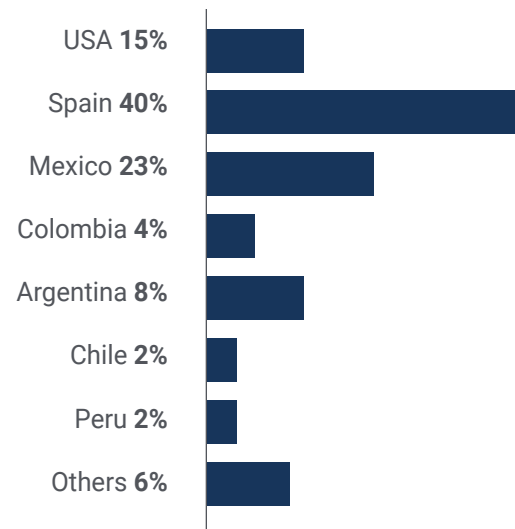
### Academic Profile

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## Geographical Distribution

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## Adriana Sánchez

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Project manager

*"Thanks to this Executive Master's Degree, I have been able to expand my knowledge in an area which is fundamental to my professional development. It has undoubtedly been a unique opportunity to master new techniques, improve my daily practice and achieve a deeper understanding of the role"*

09

# Course Management

TECH's teaching faculty includes leading experts in all the fields related to industrial and project management. They have poured their heart and soul into this program guided by their considerable years of experience in the sector. In addition, other experts of recognized prestige in related areas have participated in the design and development, completing this Executive Master's Degree in an interdisciplinary way, and making it a unique and highly rewarding academic experience for students.







“

*Learn the latest trends in Industrial Management from leading professionals and become an expert in the field"*

## Management



### Dr. Asensi, Francisco Andrés

- PhD in Industrial Engineering in Business Organization from the University of Castilla la Mancha (UCLM)
- Degree in Industrial Organization Engineering from the Polytechnic University 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 teams and large projects in connection with textile materials and technologies, as well as operations, logistics and supply chain management in the textile industry.
- Industrial Engineer, specialized in Industrial Organization from the Polytechnic University of Valencia
- Certified by the American 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. Ibáñez Capella, Juan

- Head of facilities and projects at Power Electronics in Valencia where he was in charge of the execution of the project for the new headquarters of the company with 50,000m2 of floor space and 10,000m2 of office space
- Industrial Engineer from the Polytechnic University of Valencia
- MBA in Industrial Management. IESE Business School. Navarra University
- Project Manager Professional PMP® #2914541
- He has been responsible for facilities projects for the company *Ferrovial*
- He has participated in the execution of important projects such as: SOLMED galvanized steel plant in Sagunto (Valencia), participation in the works of the AVE Station in Zaragoza and in the works of the 32nd edition of the America's Cup in Valencia

### Mr. Ponce Lucas, Miguel Enrique

- Responsible for various technical departments (Product Development, Advanced Engineering, Project Management, Innovation, Quality Management)
- Degree in Industrial Engineering (Mechanical) from the Polytechnic University of Valencia
- Development of the quality management system according to ISO TS 16949 and IATF 16949
- Participation in new product patents
- Development of change management system
- Responsible for the global knowledge management system
- Developed the engineering specialization system globally

### Mr. Navarro Jarque, Francisco

- Human Resources professional with more than 20 years of experience, with an academic specialization in psychology. He has a clear focus on internal customer service and providing value from all areas
- More than 10 years working in ISTOBAL, providing experience in collective and individual bargaining, talent recruitment and retention, development of remuneration, compensation and benefits policies, and occupational risk prevention, including plans for the prevention of psychosocial risks
- During his career he has developed the necessary skills to adapt HR actions to changing situations and complex environments
- Expert in Lean Management, applied in several companies as a consultant

### **Mr. Giner Sanchis, David**

- ♦ Portfolio and Program Manager in a Project Management Office (PMO). With the monitoring of compliance with BSC indicators and actions established for the alignment with the company's strategy
- ♦ Chemical Engineer with a Master's Degree in Project Management from the Polytechnic University of Valencia and an Official Master's Degree in Project Management from the European University of Valencia
- ♦ More than 6 years as project manager in the industrial sector, monitoring and communicating progress against the project/deployment plan, timeline and key milestones
- ♦ He has obtained the following certificates: Project Management Professional (PMP), Project Management Office Certified Practitioner (PMO-CP), Agile Scrum Foundation and Design Thinking Professional Certificate (DTPC) Member of the PMI Valencia Chapter Board of Directors

### **Mr. Del Olmo, Daniel**

- ♦ Founder of Enira Engineering S.L. in 2018, with two products recognized as innovative in Industry 4.0 by official bodies (FactoryBI y Smart Extrusion)
- ♦ Specialization in Industrial Engineering, specializing in Electronics and Automation
- ♦ Professionally, he has worked mainly in multinational companies in the industrial automation and automotive sector as Plant Engineering Manager
- ♦ Has experience at Toyota Production System (TPS) during 4 years at NHK Springs Co LTD. Japan, specialization received in Japan
- ♦ Lecturer in the MBA Master in Operations at the European University of Valencia (2018)

### **Ms. Aleixandre Andreu, María José**

- ♦ Diploma in Business Studies from the UV
- ♦ Course on office managers, internal specialization Caja de Ahorros del Mediterráneo, practical and theoretical specialization
- ♦ Internship tutor, Polytechnic University of Valencia. Years 1998 to 2005
- ♦ Internship tutor, University of Valencia years 1998 to 2007
- ♦ 2-year course for office managers given by Fundesem
- ♦ EFA Certification from the EPFA
- ♦ LCCI Certification at Carlos III University
- ♦ Course on techniques and skills for trainers at the Autonomous University of Barcelona, October 2019
- ♦ Commercial Banking Director at the Caja del Mediterráneo and Sabadell Bank

### **Mr. Lucero Palau, Tomás**

- ♦ Director of operations, quality, engineering and maintenance in several industrial and automotive companies
- ♦ Industrial Engineering degree from the Polytechnic University of Valencia
- ♦ MBA from ESTEMA Business School
- ♦ Speaker at the ABC of Operations and Logistics course at EDEM





### **Mr. Morado Vázquez, Eduardo**

- ♦ Industrial Engineer in Product Design at UPV (2000)
- ♦ Quality Assurance at Ford Motor Company (2000-2004)
- ♦ MBA and (2011) Superior Master's Degree in Occupational Risk Prevention (2005)
- ♦ Implementation and leadership of engineering projects in manufacturing plants in the automotive and chemical sector, for first level multinationals (Spain, UK, Germany, Mexico), (2004-2021)
- ♦ Extensive experience as key user and trainer in the implementation of Quality, Safety, Environmental Management Systems (ISO, OSHAS, GMP), ERPs (SAP, Ross) and quality management tools (6-Sigma, FMEA, 8D, QCP), and as PM of Engineering and Maintenance, continuous and process improvement (TPM, R&M, APQP, LRR, PSM, SMED, Poka-Yoke, etc.)
- ♦ Collaboration as a mentor of students at UPV and in different initiatives of non-profit organizations and foundations for the promotion of STEM in young people between 6 and 18 years old (2000-2018)

10

# 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 this great effort should be to achieve professional growth.

And for this, we offer you a unique opportunity with this Executive Master's Degree, thanks to which you will be able to increase your skills and therefore, improve your daily practice and your chances of advancing your career.



“

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



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

TECH's MBA in Industrial Management is an intensive program that will prepare you to face business challenges and decisions in the Industrial Management MBA field. The main objective is to promote personal and professional growth, helping students achieve success.

If you want to improve yourself, make a positive change professionally and network with the best, this is the place for you.

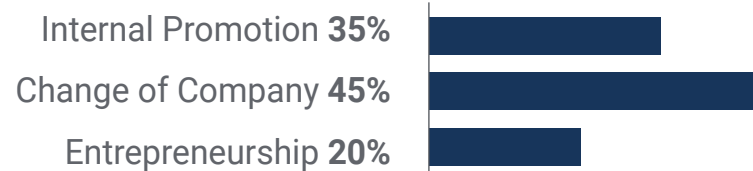
*Achieve a positive change in your career, thanks to the opportunity that TECH offers you with this program.*

*Don't miss the opportunity to specialize with us. You will find the most relevant information on this subject that will allow you to give a boost to your profession.*

#### When the change occurs



#### Type of change



## Salary increase

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This program represents a salary increase of more than **25.22%** for our students

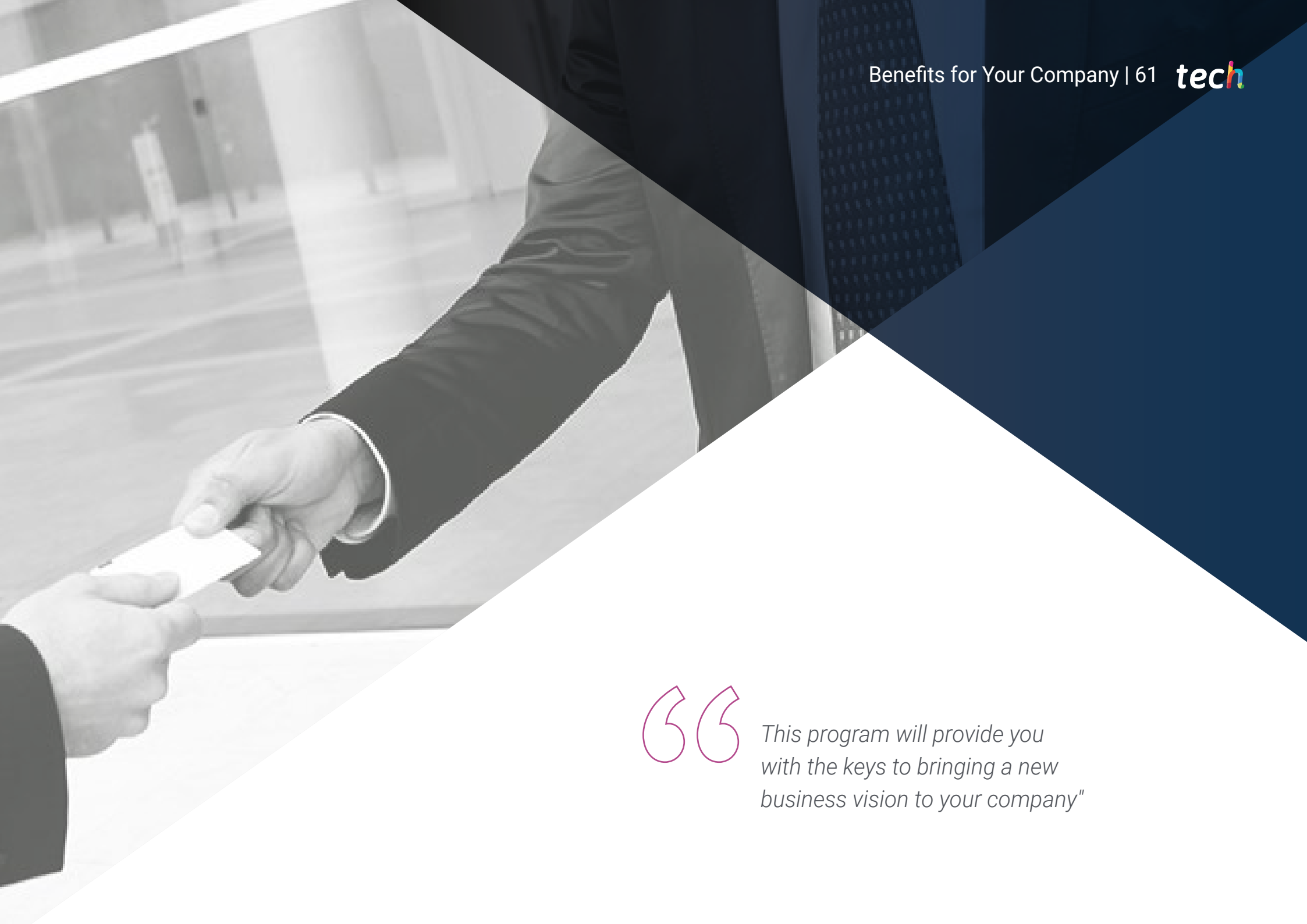


11

# Benefits for Your Company

The MBA in Industrial Management contributes to raising the organization's talent to its maximum potential through the specialization of high level leaders. Therefore, 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.





“

*This program will provide you with the keys to bringing a new business vision to 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.

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06

### **Increased Competitiveness**

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

# 12 Certificate

The Executive Master's Degree MBA in Industrial Management guarantees you, in addition to the most rigorous and up-to-date training, access to a Executive Master's Degree issued by TECH Global University.





“

*Successfully complete this program  
and receive your university degree  
without travel or laborious paperwork”*

This program will allow you to obtain your **Executive Master's Degree diploma in MBA in Industrial Management** endorsed by **TECH Global University**, the world's largest online university.

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Title: **Executive Master's Degree in MBA in Industrial Management**

Modality: **online**

Duration: **12 months**

Accreditation: **60 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.



## Executive Master's Degree MBA in Industrial Management

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Global University
- » Credits: 60 ECTS
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- » Exams: online

# Executive Master's Degree MBA in Industrial Management