



## Postgraduate Diploma Solar Energy

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/pk/engineering/postgraduate-diploma/postgraduate-diploma-solar-energy

# Index

> 06 Certificate

> > p. 32





## tech 06 | Introduction

The renewable energy sector is in full international expansion and is increasingly demanding engineers specialized in this field. Therefore, the best professionals in the sector have designed for TECH this complete Postgraduate Diploma that aims to prepare professionals with high knowledge in everything that encompasses the renewable energy sector, specifically in solar energy, to increase their working position in today's energy market.

Specifically, this Postgraduate Diploma is dedicated to Solar Thermal Systems, in their different temperature ranges: Low, Medium and High. Thus, during the program, we will analyze what these systems have in common and the use they make of solar energy, transforming solar radiation into thermal energy (heat), which is then harnessed for various uses depending on its temperature range.

It also addresses the thermal applications of solar radiation, including both non-concentrated and concentrated solar systems, which have been gaining strength in the market in recent years.

During the specialization, special attention will also be devoted to solar thermal power plants, which are currently the most commercially deployed application of concentrated solar thermal systems.

All these contents will help the professional to understand in depth the functioning of solar energy, which is called to play an important role in any sustainable energy market scheme, so the study of all its applications is crucial for engineers. In addition, we will study in depth its environmental impact and how to mitigate it through a good project design that allows obtaining an optimal performance with a low impact.

For all these reasons, this Postgraduate Diploma in Solar Energy integrates the most complete and innovative educational program in the current market in terms of knowledge and latest available technologies, as well as encompassing all the sectors or parties involved in this field. Likewise, the Postgraduate Diploma is made up of exercises based on real cases of situations currently managed or previously faced by the teaching team.

This **Postgraduate Diploma in Wind Energy** contains the most complete and up-todate educational program on the market. The most important features of the program include:

- The development of case studies presented by experts in Renewable Energies
- The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- Practical exercises where self-assessment can be used to improve learning
- Its special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection





TECH puts in your hands the most competitive and complete didactic material in the sector. That way, you'll be sure to learn with the best information."

The program's teaching staff includes professionals from sector who contribute their work experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive training that is programmed to train students in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced engineering experts.

A 100% online program that will allow you to combine your studies with the rest of your daily activities.

You will have innovative didactic materials and resources that will facilitate the learning process and the retention of the contents learned for a longer period of time.





TECH has designed this comprehensive Postgraduate Diploma with the aim of preparing engineering professionals to be able to design, implement and work on Wind Energy projects, knowing in depth everything related to this industry and the aspects of sustainability and climate change in the international arena that directly affect it. To this end, specific aspects of energy systems will be addressed, which are of enormous importance in today's business landscape, and for which large corporations are increasingly demanding competent engineers with a solid specialized education.



## tech 10 | Objectives



#### **General Objectives**

- Conduct an exhaustive analysis of current legislation and the energy system, from electricity generation to the consumption phase, as well as the fundamental production factor in the economic system and the functioning of the different energy markets
- Identify the different phases required for the feasibility and implementation of a Renewable Energy project and its commissioning
- Analyze in depth the different technologies and manufacturers available to create renewable energy exploitation systems, and distinguish and critically select those qualities based on costs and their actual application.
- Identify the operation and maintenance tasks required for the correct operation of Renewable Energy installations
- Size facilities for the application of all energy sources of lesser implementation such as mini-hydro, geothermal, tidal and clean vectors
- Manage and analyze relevant bibliography on a topic related to one or some of the fields
  of Renewable Energies, published both nationally and internationally
- Adequately interpret society's expectations on the environment and climate change, and engage in technical discussions and critical opinions on energy aspects of sustainable development, as skills that Renewable Energy professionals should have
- Integrate knowledge and face the complexity of formulating reasoned judgments in the field applicable to a company in the Renewable Energy sector
- Master the different existing solutions or methodologies for the same problem or phenomenon related to Renewable Energies and develop a critical spirit knowing the practical limitations



#### **Specific Objectives**

#### Module 1. Renewable Energies and Their Current Environment

- Explore in depth the world energy and environmental situation, as well as that of other countries
- Gain detailed knowledge of the current energy and electricity context from different perspectives: structure of the electricity system, operation of the electricity market, regulatory environment, analysis and evolution of the electricity generation system in the short and medium and long term
- Master the technical-economic criteria of generation systems based on the use of conventional energy: nuclear energy, large hydro, conventional thermal, combined cycle and the current regulatory environment of both conventional and renewable generation systems and their dynamics of evolution
- Apply the knowledge acquired to the understanding, conceptualization and modeling
  of systems and processes in the field of energy technology, particularly in the field of
  renewable energy sources
- Effectively pose and solve practical problems, identifying and defining the significant elements that constitute them
- Critically analyze data and reach conclusions in the field of energy technology
- Use the acquired knowledge to conceptualize models, systems and processes in the field of energy technology
- Analyze the potential of Renewable Energies and energy efficiency from multiple perspectives: technical, regulatory, economic and market
- Carry out operations in the Spanish electricity system market
- Gain the ability to search for information on public websites related to the electricity system and to elaborate this information

#### Module 2. Solar Thermal Energy Systems

- Select the necessary equipment for different solar thermal applications
- Be able to make a basic design and dimensioning of low and medium temperature solar thermal installations
- Estimate solar radiation at a given geographical location
- Recognize the conditions and restrictions for the application of solar thermal energy

#### Module 3. Grid-Connected and Off-Grid Solar PV Systems

- Master the specific subject matter required to meet the needs of specialized companies and to become highly qualified professionals in the design, construction, assembly, operation and maintenance of photovoltaic solar energy equipment and facilities
- Apply the knowledge acquired to the understanding, conceptualization and modeling of solar photovoltaic installations
- Synthesize knowledge and research appropriate methodologies for integration into innovation and project development departments in any company in the solar photovoltaic field
- Effectively pose and solve practical problems, identifying and defining the significant elements that constitute them
- Apply innovative methods in solving problems related to photovoltaic solar energy
- Identify, find and obtain data on the Internet related to the context of solar photovoltaic energy
- Design and conduct research based on analysis, modeling and experimentation in the field of solar photovoltaic energy
- Gain in-depth knowledge and handle the specific regulations for photovoltaic solar installations

- Gain in-depth knowledge and select the necessary equipment for different solar photovoltaic applications
- Design, dimension, implement, operate and maintain solar photovoltaic installations

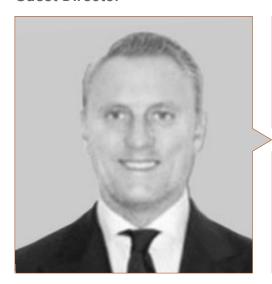
#### Module 4. Development, Financing and Feasibility of Renewable Energy Projects

- Gain in-depth knowledge and analyze the technical documentation of Renewable Energy projects required for their feasibility, financing and processing
- Manage technical documentation up to the "Ready to Build" stage
- Establish types of financing
- Understand and carry out an economic and financial study of a renewable energy project
- Use all the tools for project management and planning
- Master the part of insurance involved in the financing and viability of Renewable Energy projects, both in their construction and operation phases
- Delve into the processes of valuation and appraisal of claims in Renewable Energy assets





#### **Guest Director**



#### Mr. De la Cruz Torres, José

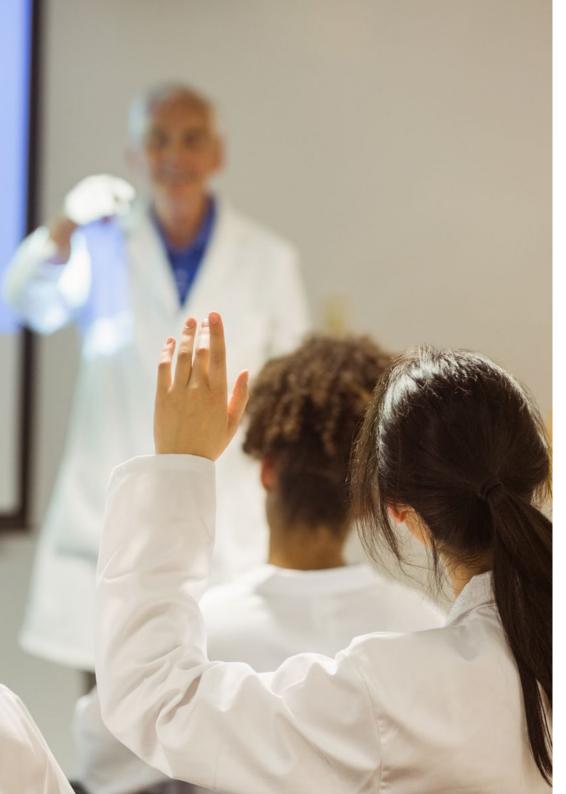
- Degree in Physics and Industrial Electronics Engineering, University of Seville
- Master's Degree in Operations Management by EADA Business School Barcelona
- Master's Degree in Industrial Maintenance Engineering, University of Huelva, Spain
- Railway Engineering, UNED
- South head of the appraisal, assessment and valuation of technologies and processes of Renewable Energy generation facilities at RTS International Loss Adjusters

**Co-Direction** 



#### Lillo Moreno, Javier

- Telecommunications Engineer, University of Seville
- Master's Degree in Project Management and Master's Degree in Big Data & Business Analytics, School of Industrial Organization (EOI)
- With an extensive professional career in the Renewable Energy sector of more than 15 years
- Has managed the O&M areas of several companies with high visibility in the sector



## Course Management | 15 tech

#### **Professors**

#### Mr. Silvan Zafra, Álvaro

- Energy Engineer, University of Seville
- Master in Thermal Energy Systems and Business Administration
- Senior Consultant focused on the execution of international E2E projects in the energy sector
- Responsible for the market management of more than 15 GW of installed capacity for clients such as Endesa, Naturgy, Iberdrola, Acciona and Engie

#### Mr. Serrano, Ricardo

- Director of Andalusia, Willis Towers Watson
- Law Degree from the University of Seville
- Participation in the design and placement of insurance programs for renewable energy companies and other industrial activities

#### Díaz Martin, Jonay Andrés

- Higher industrial engineer specialized in Electricity, University of Las Palmas de Gran Canaria
- Master's Degree in International Logistics and Supply Chain Management, EUDE Business School
- Master's Degree in Integrated Management of Prevention, Quality and Environment,
   Camilo José Cela University

#### Pérez García, Fernando

- Industrial Technical Engineer, specializing in Electricity, from the University of Zaragoza.
- Insurance appraiser specialized in the adjustment and appraisal of industrial risks, technical and energy claims, especially in the Renewable Energy sector (wind, hydro, photovoltaic, solar thermal and biomass)

## tech 16 | Course Management

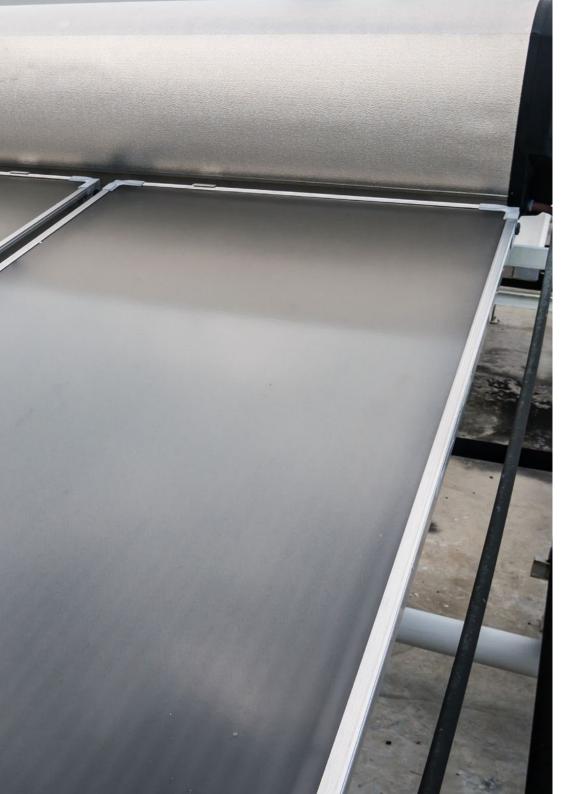
#### Granja Pacheco, Manuel

- Civil Engineer, Alfonso X el Sabio University.
- Master's Degree in Renewable Energy Installation Management and Project Internationalization by ITE (Instituto Tecnológico de la Energía)
- Manages the operations of a company specialized in the development of Renewable Energy projects, with a track record of more than 3,000 MW of projects at national and international level

#### Caballero López, Jaime

- Industrial Technical Engineer Specialized in Mechanics, University of Seville
- Master's Degree in Industrial Engineering and Maintenance Management, University of Seville
- Production and personnel management at the Helioenergy I and II Thermosolar Platform, Abengoa Solar
- Plant control room operations expert with METSO program
- Helioenergy I and II Solar Thermal Platform Control Room Operator, Bester Generación, 2012
- Responsible for supervision and control in the construction and start-up of the Soleval I Thermosolar Plant (50 MW) Lebrija. ATISAE Online University, 2011







A unique, key, and decisive training experience to boost your professional development"





## tech 20 | Structure and Content

#### Module 1. Renewable Energies and Their Current Environment

- 1.1. Renewable Energies
  - 1.1.1. Fundamental Principles
  - 1.1.2. Conventional Energy Forms vs. Renewable Energy
  - 1.1.3. Advantages and Disadvantages of Renewable Energies
- 1.2. International Context of Renewable Energies
  - 1.2.1. Basics of Climate Change and Energy Sustainability Renewable Energies vs. Non-Renewable Energies
  - 1.2.2. Decarbonization of the World Economy. From the Kyoto Protocol to the Paris Agreement in 2015 and the 2019 Madrid Climate Summit
  - 1.2.3. Renewable Energies in the Global Energy Context
- 1.3. Energy and International Sustainable Development
  - 1.3.1. Carbon Markets
  - 1.3.2. Clean Energy Certificates
  - 1.3.3. Energy vs Sustainability
- 1.4. General Regulatory Framework
  - 1.4.1. International Energy Regulation and Directives
  - 1.4.2. Legal, Legislative and Regulatory Framework of the Energy Sector and Energy Efficiency at the National (Spain) and European Level
  - 1.4.3. Auctions in the Renewable Electricity Sector
- 1.5. Electricity Markets
  - 1.5.1. System Operation with Renewable Energies
  - 1.5.2. Regulation of Renewable Energies
  - 1.5.3. Participation of Renewable Energies in the Electricity Markets
  - 1.5.4. Operators in the Electricity Market
- 1.6. Structure of the Electrical System
  - 1.6.1. Generation of the Electrical System
  - 1.6.2. Transmission of the Electrical System
  - 1.6.3. Distribution and Operation of the Market
  - 1.6.4. Marketing





## Structure and Content | 21 tech

- 1.7. Distributed Generation
  - 1.7.1. Concentrated Generation vs. Distributed Generation
  - 1.7.2. Self-Consumption
  - 1.7.3. Generation Contracts
- 1.8. Emitters
  - 1.8.1. Measuring Energy
  - 1.8.2. Greenhouse Gases in Power Generation and Use
  - 1.8.3. Emission Assessment by Type of Energy Generation
- 1.9. Energy Storage
  - 1.9.1. Types of Cells
  - 1.9.2. Advantages and Disadvantages of Cells
  - 1.9.3. Other Energy Storage Technologies
- 1.10. Main Technologies
  - 1.10.1. Energies of the Future
  - 1.10.2. New Uses
  - 1.10.3. Future Energy Contexts and Models

#### Module 2. Solar Thermal Energy Systems

- 2.1. Solar Radiation and Solar Thermal Systems
  - 2.1.1. Fundamental Principles of Solar Radiation
  - 2.1.2. Radiation Components
  - 2.1.3. Market Evolution in Solar Thermal Systems
- 2.2. Static Solar Collectors: Description and Efficiency Measurement
  - 2.2.1. Classification and Components of the Collector
  - 2.2.2. Losses and Energy Conversion
  - 2.2.3. Characteristic Values and Collector Efficiency
- 2.3. Applications of Low Temperature Solar Collectors
  - 2.3.1. Technology Development
  - 2.3.2. Types of Solar Heating and DHW Systems
  - 2.3.3. Sizing Installations

## tech 22 | Structure and Content

- 2.4. DHW or Air Conditioning Systems
  - 2.4.1. Main Elements of the Facilities
  - 2.4.2. Assembly and Maintenance
  - 2.4.3. Calculation Methods and Control of Facilities
- 2.5. Medium Temperature Solar Thermal Systems
  - 2.5.1. Types of Concentrators
  - 2.5.2. The Parabolic Trough Collector
  - 2.5.3. Solar Tracking System
- 2.6. Design of a Solar System with Parabolic Trough Collectors
  - 2.6.1. The Solar Field. Main Components of the Parabolic Trough Collector
  - 2.6.2. Solar Field Sizing
  - 2.6.3. The HTF System
- 2.7. Operation and Maintenance of Solar Systems with Parabolic Trough Collectors
  - 2.7.1. Power Generation Process Through the CCP
  - 2.7.2. Solar Field Maintenance and Cleaning
  - 2.7.3. Preventive and Corrective Maintenance
- 2.8. High-Temperature Solar Thermal Systems. Tower Plants
  - 2.8.1. Designing a Tower Plant
  - 2.8.2. Heliostat Field Sizing
  - 2.8.3. Molten Salt System
- 2.9. Thermoelectric Generation
  - 2.9.1. The Rankine Cycle
  - 2.9.2. Theoretical Foundations of Turbine-Generators
  - 2.9.3. Characterizing a Solar Thermal Power Plant
- 2.10. Other High Concentration Systems: Parabolic Dishes and Solar Ovens
  - 2.10.1. Types of Concentrators
  - 2.10.2. Tracking Systems and Main Elements
  - 2.10.3. Applications and Differences Compared to Other Technologies

#### Module 3. Grid-Connected and Off-Grid Solar PV Systems

- 3.1. Photovoltaic Solar Energy. Equipment and Environment
  - 3.1.1. Fundamental Principles of Photovoltaic Solar Energy
  - 3.1.2. Situation in the Global Energy Sector
  - 3.1.3. Main Components of Solar Facilities
- 3.2. Photovoltaic Generators. Operating Principles and Characterization
  - 3.2.1. Solar Cell Operation
  - 3.2.2. Design Rules. Characterizing the Module: Parameters
  - 3.2.3. The I-V Curve
  - 3.2.4. Module Technologies in Today's Market
- 3.3. Grouping Photovoltaic Modules
  - 3.3.1. Photovoltaic Generator Design: Orientation and Inclination
  - 3.3.2. Photovoltaic Generator Installation Structures
  - 3.3.3. Solar Tracking Systems. Communication Environment
- 3.4. Energy Conversion. The Investor
  - 3.4.1. Types of Investors
  - 3.4.2. Characterization
  - 3.4.3. Maximum Power Point Tracking (MPPT) and PV Inverter Performance Monitoring Systems
- 3.5. Transformer Station
  - 3.5.1. Functioning and Parts of a Transformer Station
  - 3.5.2. Sizing and Design Issues
  - 3.5.3. The Market and Choosing Equipment
- 3.6. Other Systems of a Solar PV Plant
  - 3.6.1. Supervision and Control
  - 3.6.2. Security and Surveillance
  - 3.6.3. Substation and HV
- 3.7. Grid-Connected Photovoltaic Systems
  - 3.7.1. Design of Large-Scale Solar Parks. Prior Studies
  - 3.7.2. Self-Consumption
  - 3.7.3. Simulation Tools
- 3.8. Isolated Photovoltaic Systems

## Structure and Content | 23 tech

- 3.8.1. Elements of an Isolated Facility Regulators and Solar Batteries
- 3.8.2. Uses: Pumping, Lighting, etc.
- 3.8.3. Solar Democratization
- 3.9. Operation and Maintenance of Photovoltaic Installations
  - 3.9.1. Maintenance Plans
  - 3.9.2. Personnel and Equipment
  - 3.9.3. Maintenance Management Software
- 3.10. New Lines of Improvement in Photovoltaic Parks
  - 3.10.1. Distributed Generation
  - 3.10.2. New Technologies and Trends
  - 3.10.3. Automization

## **Module 4**. Development, Financing and Feasibility of Renewable Energy Projects

- 4.1. Identifying Stakeholders
  - 4.1.1. National, Regional and Local Government
  - 4.1.2. Developers, Engineering and Consulting Companies
  - 4.1.3. Investment Funds, Banks and Other Stakeholders
- 4.2. Development of Renewable Energy Projects
  - 4.2.1. Main Stages of Development
  - 422 Main Technical Documentation
  - 4.2.3. Sales Process, RTB
- 4.3. Renewable Energy Project Assessment
  - 4.3.1. Technical Feasibility
  - 4.3.2. Commercial Feasibility
  - 4.3.3. Environmental and Social Feasibility
  - 4.3.4. Legal Feasibility and Associated Risks
- 4.4. Financial Bases
  - 4.4.1. Financial Knowledge
  - 4.4.2. Analysis of Financial Statements
  - 4.4.3. Financial Modeling
- 4.5. Economic Assessment of Renewable Energy Projects and Companies

- 4.5. 1 Fundamentals of Evaluation
- 4.5.2 Valuation Methods
- 4.5.3. Calculating Project Profitability and Fundability
- 4.6. Financing of Renewable Energies
  - 4.6.1. Characteristics of Project Finance
  - 4.6.2. Structuring the Financing
  - 4.6.3. Risks in Financing
- 4.7. Renewable Asset Management: Asset Management
  - 4.7.1. Technical Supervision
  - 4.7.2. Financial Supervision
  - 4.7.3. Claims, Permit Monitoring and Contract Management
- 4.8. Insurance in Renewable Energy Projects. Construction Phase
  - 4.8.1. Developer and Builder. Specialized Insurance
  - 4.8.2. Construction Insurance-CAR
  - 4.8.3. Professional Insurance
  - 4.8.4. ALOP-Advance Loss of Profit Clause
- 4.9. Insurance in Renewable Energy Projects. Operation and Exploitation Phase
  - 4.9.1. Property Insurance. Multirisk-OAR
  - 4.9.2. O&M Contractor's CR or Professional Insurance
  - 4.9.3. Suitable Coverage. Consequential and Environmental Losses
- 4.10. Valuation and Appraisal of Damages in Renewable Energy Assets
  - 4.10.1. Industrial Valuation and Appraisal Services: Renewable Energy Facilities
  - 4.10.2. Intervention and Policy
  - 4.10.3. Property Damages and Consequential Losses
  - 4.10.4. Types of Claims: Photovoltaic, Thermal, Hydroelectric and Wind Power





## tech 26 | Methodology

#### 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"



You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.



The student will learn to solve complex situations in real business environments through collaborative activities and real cases.

#### A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. 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 professional reality is taken into account.



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

The case method is the most widely used learning system in the best faculties in the world. 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 that you are presented with in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

## tech 28 | Methodology

#### **Relearning Methodology**

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

In 2019, we obtained the best learning results of all online universities in the world.

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



### Methodology | 29 tech

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

This methodology has 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, and financial markets and 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 training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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.



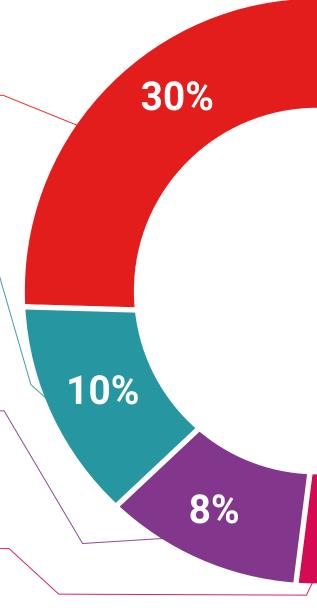
#### **Practising Skills and Abilities**

They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



#### **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.





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 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.

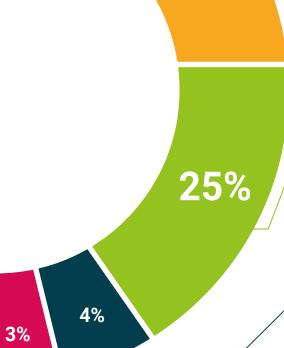


This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

#### **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.





20%





## tech 34 | Certificate

This **Postgraduate Diploma in Wind Energy** contains the most complete and up-to-date educational program on the market.

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

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

Title: Postgraduate Diploma in Wind Energy

Official No of Hours: 600 h.



<sup>\*</sup>Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

technological university

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