

Postgraduate Certificate Wind Farm Promotion



Postgraduate Certificate Wind Farm Promotion

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/engineering/postgraduate-certificate/wind-farm-promotion

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01

Introduction to the Program

The promotion of Wind Farms is experiencing significant growth in the current global context, with the installation of 117 GW of new wind capacity, marking an increase of 50%. This growth is partly due to the need to decarbonize economies and strengthen energy security amid geopolitical tensions. Although the industry faces challenges such as variability in regulations and the need to increase investment in transmission networks, it continues to expand. In this framework, TECH Global University has developed a 100% online program that allows access to all educational materials simply through an electronic device with an internet connection. Furthermore, it utilizes the revolutionary Relearning methodology, pioneered by this institution.



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With this 100% online program, you will gain technical knowledge about the stages of development and promotion of wind projects, covering the international regulations that govern these initiatives”

The promotion of wind farms has intensified, driven by the need to diversify the energy mix and meet sustainability goals. Furthermore, more than 380 GW of offshore wind capacity is expected to be installed in the next decade, with the European Union leading this transformation through initiatives such as the North Sea Energy Cooperation.

This program was created to address these dynamics, offering professionals an in-depth analysis of the stages of promotion and development of wind farms, from site identification to the final execution of the project. In this regard, special emphasis will be placed on the importance of each of these stages, as proper planning and development are essential to ensuring the viability and success of wind projects. The program will also identify the key items involved, highlighting their order of importance in the overall process.

Additionally, it will review the applicable legislation, the necessary procedures, and the standards that must be met at each stage of wind farm development. This knowledge will allow engineers to understand the complex legal and regulatory requirements, ensuring that their projects not only meet technical expectations but also comply with relevant environmental and safety regulations.

Finally, the program will include a practical approach, applying the acquired knowledge through budgeting and scheduling activities for the promotion and development of a wind farm. A detailed plan will also be created, leading to the "Ready to Build" phase, ensuring that all necessary elements are in place to begin construction.

In this way, TECH Global University has developed a comprehensive, fully online, and flexible program, enabling graduates to avoid challenges such as commuting to a physical campus or adhering to rigid schedules. Furthermore, the innovative Relearning methodology will be incorporated, based on the repetition of key concepts to facilitate effective content assimilation.

This **Postgraduate Certificate in Wind Farm Promotion** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ The development of case studies presented by experts in Artificial Intelligence in Nursing
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out 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



You will develop critical skills that are highly valued in the job market, where the demand for professionals with experience in Renewable Energy is constantly increasing"



You will research and analyze applicable laws and regulations, gaining a deeper understanding of the legal framework governing these projects in different countries, using the best educational materials, at the forefront of educational and technological advancements”

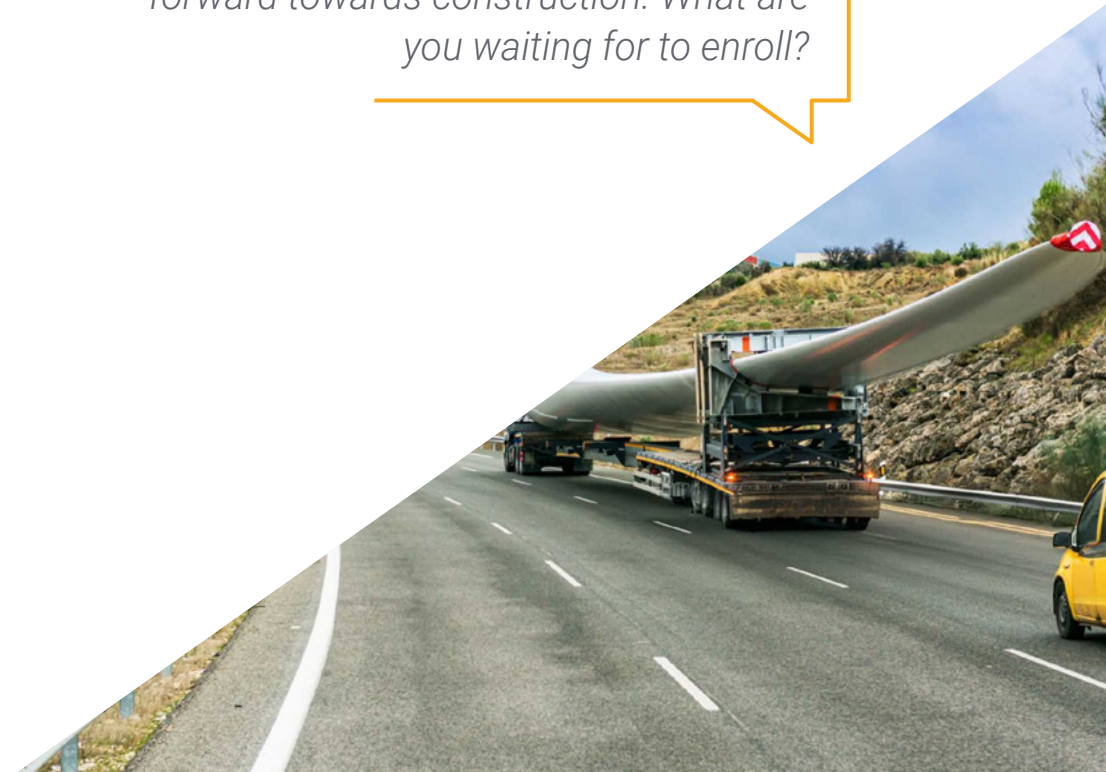
The program's teaching staff includes professionals from the industry who contribute their work experience to this program, as well as renowned specialists from leading societies and prestigious universities.

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 education programmed to learn 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 course. For this purpose, students will be assisted by an innovative interactive video system created by renowned experts.

You will analyze practical cases that demonstrate how effective management in the promotion and development phases can optimize resources and reduce risks, supported by an extensive library of innovative multimedia resources.

You will delve into the development of a plan for the "Ready to Build" state, which will involve organizing and prioritizing the necessary tasks to move the project forward towards construction. What are you waiting for to enroll?



02

Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it relies on an enormous faculty of more than 6,000 professors of the highest international renown.



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*Study at the world's largest online university
and guarantee your professional success.
The future starts at TECH”*

The world's best online university, according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

The best top international faculty

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.



The most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.



Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.



The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.



03 Syllabus

The program syllabus will cover everything from the identification and analysis of suitable sites for wind farm installation to the management of permits and compliance with international regulations. It will also focus on the development of practical skills such as budgeting and activity scheduling, ensuring that students are able to effectively plan each phase of the project. Additionally, critical technical and environmental aspects that impact the viability of wind farms will be discussed, along with current trends in the Renewable Energy sector.



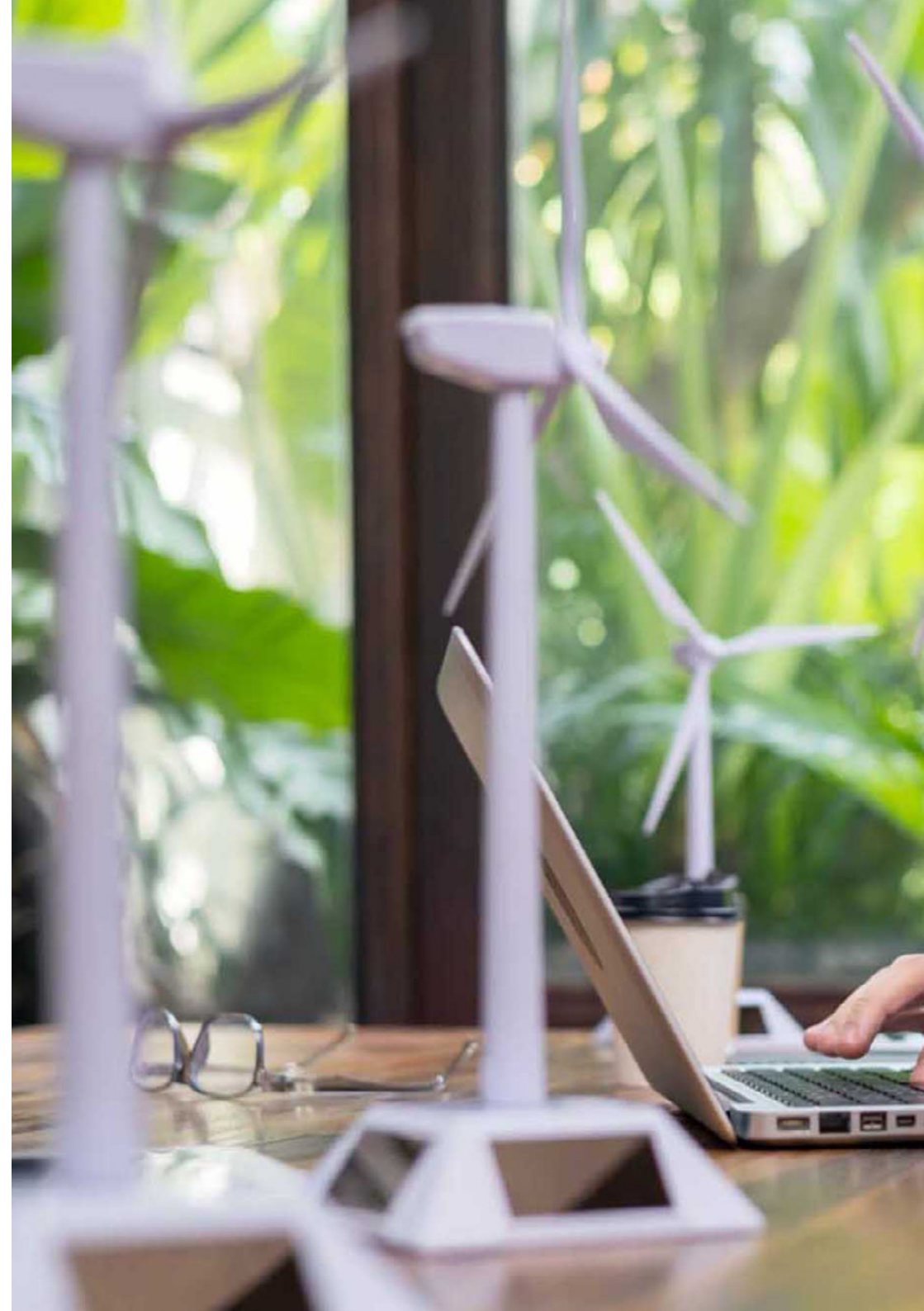


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The content of the Wind Farm Promotion program has been designed to provide you with a deep and practical understanding of the various stages involved in the development of wind energy projects”

Module 1. Development and Construction of Wind Farms

- 1.1. Wind Farm Site Selection: A Complex and Multidisciplinary Decision
 - 1.1.1. Energy Resource
 - 1.1.2. Land Ownership
 - 1.1.3. Interconnection Capacity
- 1.2. Wind Resource for Project Development
 - 1.2.1. Wind Speed and Direction
 - 1.2.2. Vertical Profile and Temporal Variability
 - 1.2.3. Turbulence
- 1.3. Terrain Complexity
 - 1.3.1. Access Roads
 - 1.3.2. Geographic Surroundings
 - 1.3.3. Site Orography
- 1.4. Social Considerations in Wind Farm Development
 - 1.4.1. Local Communities
 - 1.4.2. Positive Impacts
 - 1.4.3. Negative Impacts
- 1.5. Wind Farm Interconnection
 - 1.5.1. Step-Up Substation
 - 1.5.2. Interconnection Substation
 - 1.5.3. High Voltage Transmission Line (HVTL)
- 1.6. Technical-Economic Considerations in the Promotion and Development of Wind Farms
 - 1.6.1. Budget for Studies
 - 1.6.2. Budget for Administrative Procedures
 - 1.6.3. Total Budget
- 1.7. Scheduling and Planning for the Development and Promotion of Wind Farms
 - 1.7.1. Study Scheduling
 - 1.7.2. Administrative Procedure Scheduling
 - 1.7.3. Overall Timeline





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Through this program, you will not only enrich your academic training but also enhance your professional profile, aligning it with the current needs of the sustainable energy sector”

04

Teaching Objectives

This university program aims to ensure that professionals understand the international regulations and laws governing these processes, guaranteeing that projects meet the necessary legal requirements. It will also train them to develop practical and viable plans for scheduling and budgeting activities, ensuring that each phase of the project is executed efficiently and on time. Additionally, the program will promote a holistic view of the importance of sustainability and the environmental impact of wind farms, preparing engineers to contribute to the energy transition and sustainable development in their communities.



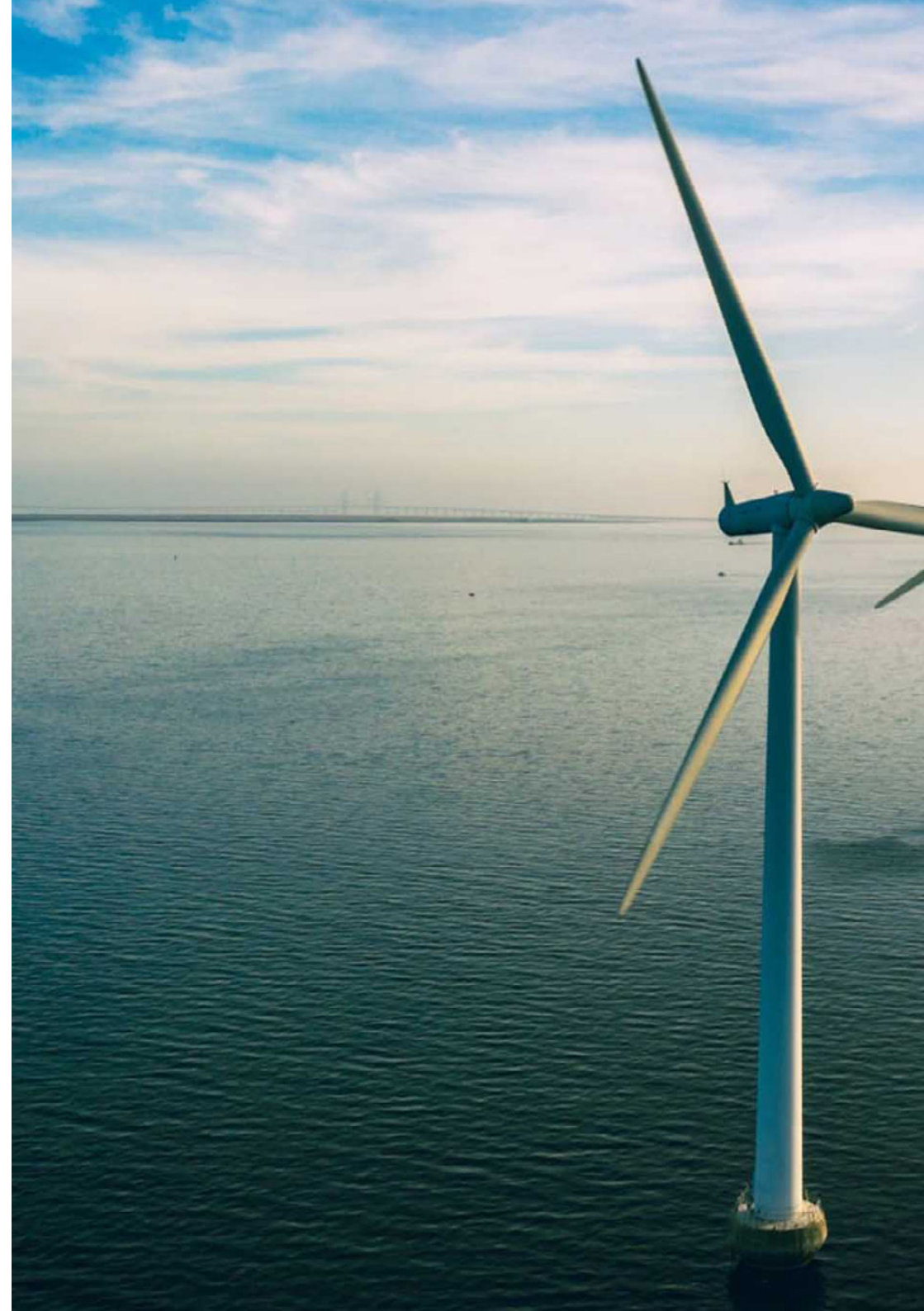
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The main objectives of the Wind Farm Promotion program are to equip you with the skills necessary to effectively manage the promotion and development stages of wind energy projects”



General Objectives

- ♦ Define the promotion and development stages, as well as their importance in the execution of wind farms
- ♦ Review, through research, the international laws and regulations that govern the processes, stages, and procedures involved in the promotion and development of a wind farm
- ♦ Put the acquired knowledge into practice by budgeting and scheduling activities for the promotion and development of a wind farm





Specific Objectives

- ♦ Describe the main items involved in the promotion and development of a Wind Farm
- ♦ Differentiate the order of importance of the stages and procedures required for promotion and development
- ♦ You will develop the plan for the "Ready to Build" phase of a wind farm



You will equip yourself with practical skills in scheduling and budgeting activities, preparing you to lead initiatives that contribute to the energy transition and sustainable development"

05

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

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*At TECH you will NOT have live classes
(which you might not be able to attend)”*



The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

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TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

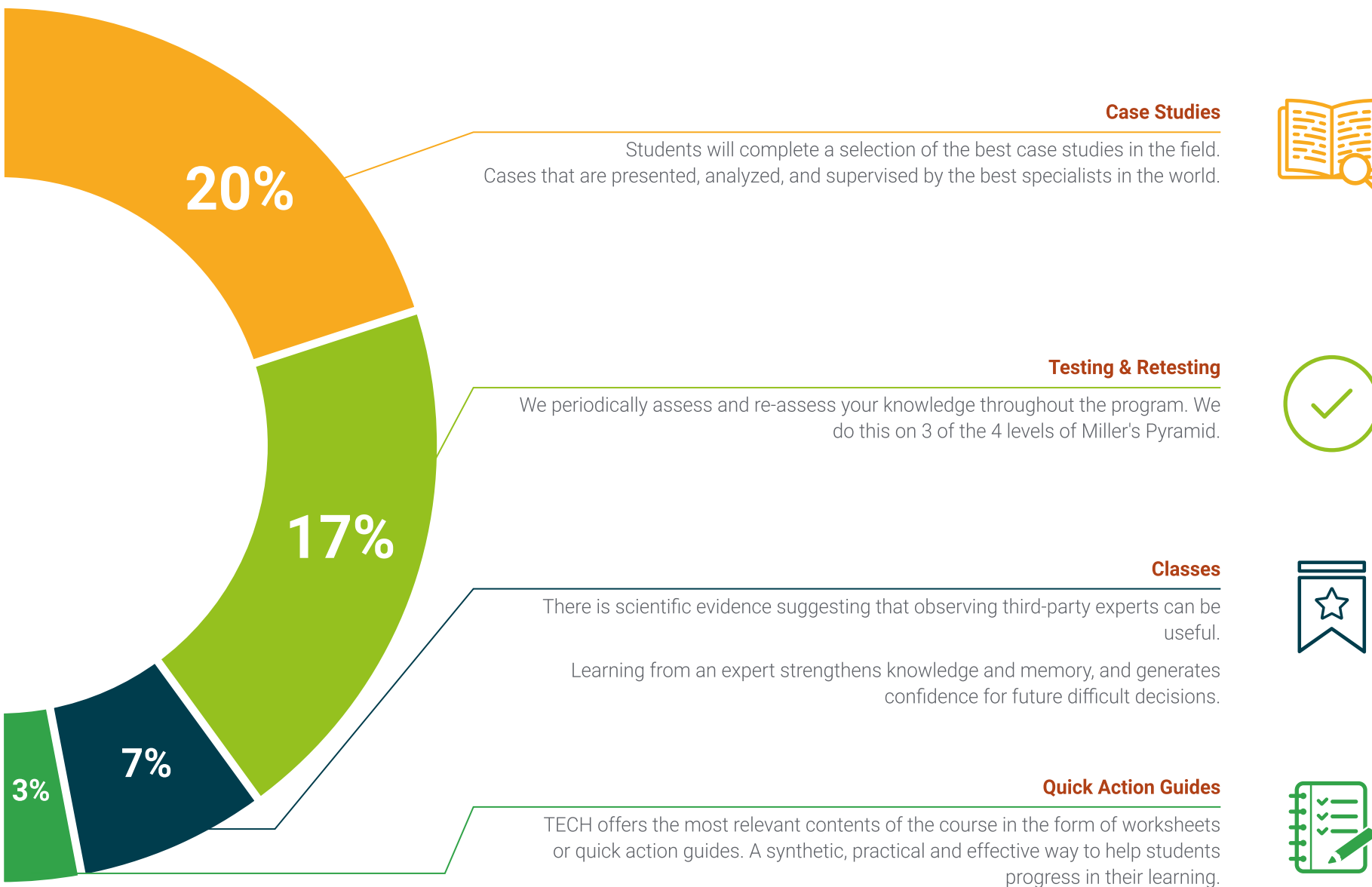
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





06

Teaching Staff

The teaching team is composed of highly qualified professionals with solid experience in the renewable energy sector. This includes engineers with a proven track record in the planning and development of wind projects, as well as experts in environmental regulations and international standards. Furthermore, these mentors have an academic focus, having published research and articles in specialized journals, which will enrich the syllabus with cutting-edge knowledge and real-world case studies.



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Thanks to these instructors, you will have access to comprehensive training that will prepare you to face the technical challenges of the sector, while understanding the regulatory and financial aspects involved in the promotion of wind farms”

Management



Mr. Melero Camarero, Jorge

- ♦ Deputy Director of Construction at Enery, Vienna
- ♦ Country Manager for Spain at Ezzing Solar
- ♦ General Manager of Environmental and Social Consulting at Natura Medioambiente
- ♦ Deputy Director of the Renewable Energy Division at Alatec Ingenieros Consultores y Arquitectos
- ♦ Director of the Renewable Energy Department at Gestionna Soluciones Energéticas
- ♦ Renewable Energy Project Director at ABO Wind Spain
- ♦ Master's Degree in Business Administration (MBA)
- ♦ Master's Degree in Renewable Energy Consulting
- ♦ Bachelor's Degree in Industrial Engineering from the Polytechnic University of Valencia

Teachers

Mr. López Ramos, Alejandro

- ♦ Site Construction Director at Ferrovial Construcción
- ♦ Construction Leader at Anabática Renovables
- ♦ Project Director at SEAL
- ♦ Project Director at Artech
- ♦ Country Manager Mexico at Ventus Energía
- ♦ Director of Engineering and Construction at Acciona Energía
- ♦ Site Coordinator (Site Manager) at Enel Green Power
- ♦ Quality, Environment, and Occupational Safety Coordinator at Abengoa
- ♦ Specialization in Construction from the University of Veracruz
- ♦ Bachelor's Degree in Civil Engineering from the University of Veracruz



Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"

07

Certificate

This Postgraduate Certificate in Wind Farm Promotion guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the Postgraduate Certificate issued by TECH Global University.



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

This private qualification will allow you to obtain a diploma for the **Postgraduate Certificate in Wind Farm Promotion** endorsed by TECH Global University, the world's largest online university.

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

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

Title: **Postgraduate Certificate in Wind Farm Promotion**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





Postgraduate Certificate Wind Farm Promotion

- » Modality: online
- » Duration: 6 weeks
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Postgraduate Certificate Wind Farm Promotion

