

# Postgraduate Certificate

## Risk Management in Construction

### Project Contract Management





## Postgraduate Certificate Risk Management in Construction Project Contract Management

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

Website: [www.techtute.com/pk/engineering/postgraduate-certificate/risk-management-construction-project-contract-management](http://www.techtute.com/pk/engineering/postgraduate-certificate/risk-management-construction-project-contract-management)

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# 01

# Introduction

Risk management is a vital part of successful contract management in construction projects, because if the possible complications that may arise are not taken into account, the project would be left uncovered in a number of scenarios. Therefore, this comprehensive TECH program will teach engineers everything they need to be able to analyze deviations and penalties in contracts in order to minimize the common risks as much as possible. Thus, once the training is completed, the professional will have mastered important aspects such as guarantees, insurance and penalties, which must be taken into account for a contract to be successfully completed.





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*Risk management in construction project contracts is a key aspect to ensure the viability of the work. Learn everything you need to know about this subject with this TECH program"*

In this course that TECH offers to engineers, an exhaustive analysis of everything related to risk management in contracts will be carried out, from risk identification to the creation of the project risk matrix. In addition, we will review the types of guarantees and insurance available for projects.

In this way, during the training course, we will perform a deeper analysis of deviations and penalties in contracts in order to minimize contract risks as much as possible. This will not only ensure the viability of the project, but will also take care of the company's interests.

All of this will help the professional to master important aspects in the management of a contract such as guarantees, insurance and penalties, which must be taken into account for a contract to be completed successfully and without losses. This knowledge will position the engineer as a complete expert in contractual risk management and will revalue their professional profile, making them a much more important asset in the labor market.

All this, throughout a 100% online training that provides the student with the ease of being able to take it wherever and whenever they want. You will only need a device with internet access, and you will be able to access a universe of knowledge that will be the main basis for engineers to position themselves in a sector that is increasingly demanded by companies in various sectors.

This **Postgraduate Certificate in Risk Management in Construction Project Contract Management** contains the most complete and up-to-date educational program on the market. The most important features of the program include:

- ◆ Practical cases presented by experts in Risk Management in the Contract Management of Construction Products
- ◆ The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice.
- ◆ Practical exercises where the self-assessment process can be carried out to improve learning
- ◆ Special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ◆ Access to content from any fixed or portable device with an Internet connection.



*Thanks to this program, you will be able to position yourself in a sector that is requiring more and more engineers who are experts in this subject"*

“

*A high-level training specially designed to lead engineers to success in their work as a Contract Manager in risk management”*

*Obtain accurate and comprehensive risk management skills and become a reputable professional.*

*Study from the comfort of your home, always making sure you acquire first class skills.*

The program's teaching staff includes professionals from the sector who contribute their work experience to this specialization 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 programmed to train 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 engineers with vast experience.



# 02

# Objectives

Through this training, engineering professionals will acquire the necessary knowledge to work on large construction projects, taking into consideration all the necessary aspects to carry out their work successfully. All of this with the confidence and efficiency of a program which has been created to boost professionals in the management and planning of contracts. This is done from a global point of view that includes everything from arbitration and possible disputes, to guarantees, insurance and penalties.







Links with other national priorities

- It is suggested that the audit based on this guideline is considered in conjunction with other national priorities such as the National Diabetes in primary and secondary care (NICE clinical guideline 22)

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*The purpose of this specialization is to train the professional to carry out effective risk management in contracts"*



## General Objectives

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- ◆ Carry out an exhaustive analysis of EPC projects
- ◆ Manage the different stages of EPC projects
- ◆ Manage the contracts of large-scale projects
- ◆ Perform an in-depth breakdown of guarantees, disputes and insurance in the construction industry

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*Study with us and  
take your professional  
skills to the next level”*





## Specific Objectives

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- ◆ Identification of risks in projects
- ◆ Ability to perform a risk classification
- ◆ Ability to prepare a risk matrix
- ◆ In-depth knowledge of types of endorsements
- ◆ Penalty analysis
- ◆ Ability to prepare mitigation plans for penalties
- ◆ Accurate knowledge of types of construction insurance

# 03

# Course Management

Engineers who decide to study at TECH and take this specialist course will find the best teaching content taught by the best professionals in the sector. In this sense, this Postgraduate Certificate in Risk Management in Construction Project Contract Management is taught by highly prestigious professionals in this field, who bring the experience of their years of work to the training, as well as the knowledge acquired from research in the field. All to provide the engineer with a high-level program, which will enable them to manage contracts in national and international environments with greater guarantees of success.





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*Study with the first-hand support of the best professionals in the sector and catapult your professional career, achieving all your goals”*

## Management



### Mr. Ruiz Cid, Martin Joaquín

- ◆ Technical Director EPC Project Group - EPC Project Manager Leader at Soltec Energías
- ◆ Industrial Technical Engineer specializing in Mechanics/Structures from the Polytechnic University of Cartagena
- ◆ Industrial Engineer in Electricity from the Polytechnic University of Cartagena
- ◆ Master's Degree in Power Electronics and Adaptive Control
- ◆ MBA in Strategic Company Management from UNED (National Distance Learning University)
- ◆ Master's Degree in Renewable Energies and the Environment
- ◆ Professional Project Manager Course
- ◆ EPC Turnkey Project Management Course
- ◆ Industrial Instrumentation Course




# 04

## Structure and Content

With this syllabus, the engineer will be able to make a global review of all the aspects that are involved in Risk Management in Contract Management. Through this complete course, which incorporates all the fields of work which involve the management of possible complications which could occur in large construction projects, the student will develop their theoretical and practical knowledge, achieving professional and personal growth that will allow them to intervene in this field of work with the confidence of an expert. You will achieve this through top-notch content designed by the best professionals in the industry.



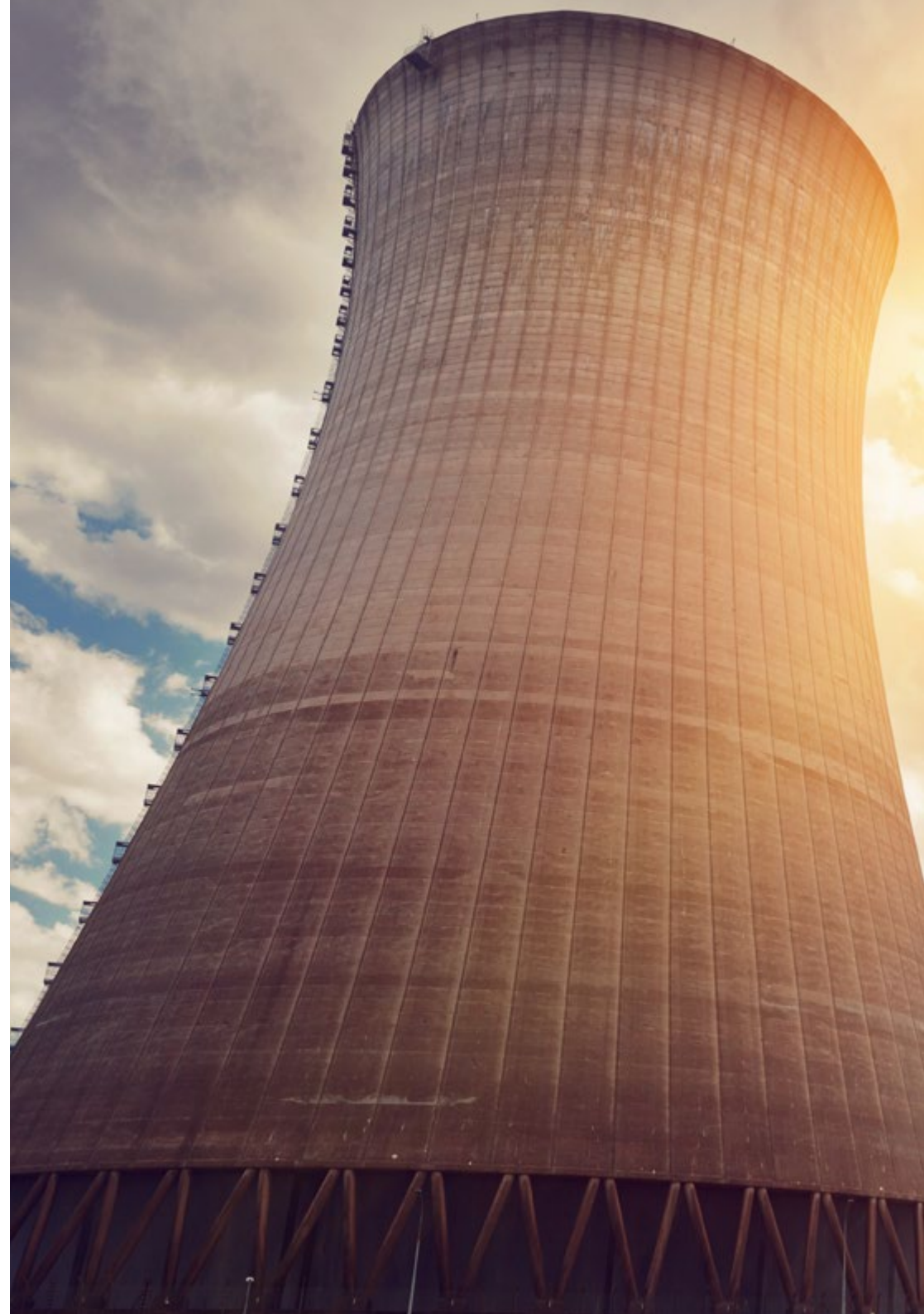




“What you study is very important, but knowing how to apply it is essential. By equipping you with theoretical and practical content, you will learn to successfully put what you have learned into practice”

## Module 1. Risk Management in Contract Management

- 1.1. International Contract Management
  - 1.1.1. Contract Management According to PMBOOK
  - 1.1.2. Procurement Control and Management According to PMBOOK
  - 1.1.3. Importance and Intervention of the Contract Manager
- 1.2. Contract Management & Project Management
  - 1.2.1. Relationship Between Contract Management & Project Management
  - 1.2.2. Collaboration Between CM and PM
  - 1.2.3. Control of Main Construction Site Factors
- 1.3. Risk Management Conducted by the Contract Manager
  - 1.3.1. Identification of Risks in Contracts
  - 1.3.2. Classification of Risks
  - 1.3.3. Creation of a Matrix and Implementation
- 1.4. Risk Analysis Conducted by the Contract Manager
  - 1.4.1. Identification of Possible Risks
  - 1.4.2. Monitoring of Evolution
  - 1.4.3. Mitigation of Risks
- 1.5. Types of Endorsements
  - 1.5.1. Classification
  - 1.5.2. Importance of Endorsement Management
  - 1.5.3. Costs and Maturity
- 1.6. Penalty analysis
  - 1.6.1. Type of Penalties According to the Contract
  - 1.6.2. Control of Penalties on Part of the Contract Manager
  - 1.6.3. Effective Contract Management Against Penalties



- 1.7. Construction Insurance Management
  - 1.7.1. Types of Insurance in Construction
  - 1.7.2. Time Frame of Insurance
  - 1.7.3. Importance of Insurance
- 1.8. Analysis of Construction Insurance
  - 1.8.1. Contract Management in Insurance Management
  - 1.8.2. Calculations and Cost of Construction Insurance
  - 1.8.3. Validity of Insurance
- 1.9. Contract Management and the Legal Department
  - 1.9.1. Connection Between the Contract Manager and the Legal Department
  - 1.9.2. Importance of the Contract Manager Having Legal Knowledge
  - 1.9.3. Contract Manager Communication from a Legal Point of View
- 1.10. Contract Manager and Contractors
  - 1.10.1. Contract Manager Communications With the Contractors
  - 1.10.2. Monitoring of the Contract With the Contractor
  - 1.10.3. Importance of Controlling the Traceability of Communications

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*This training will be the stepping stone that will elevate your career to another level"*

05

# Methodology

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

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.





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*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"*

### 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.

## 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.





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.





**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 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.



06

# Certificate

The Postgraduate Certificate in Risk Management in Construction Project Contract Management guarantees, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate issued by TECH Technological University.



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

This **Postgraduate Certificate in Risk Management in Construction Project Contract Management** contains the most complete and up-to-date program on the market.

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

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

Title: **Postgraduate Certificate in Risk Management in Construction Project Contract Management**

Official N° of hours: **150 h.**



\*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.

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development language  
classroom



**Postgraduate Certificate**  
Risk Management in  
Construction Project  
Contract Management

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

# Postgraduate Certificate

Risk Management in Construction

Project Contract Management

