RISK MANAGEMENT · MANUFACTURING AND PROCESS INDUSTRIES

Advanced Risk Management in Manufacturing

Operational risk, supply chain and business continuity

For manufacturing managers, plant managers, process engineers and risk, safety and compliance leads in advanced manufacturing and the process industries.



EUROPEAN RAW MATERIALS ACADEMY

eit RawMaterials Connecting matters

Co-funded by the European Union

THE COURSE AT A GLANCE

FORMAT	DURATION	LANGUAGE	START	FEE
Blended	16 hours	English	27 January 2027	€790

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ABOUT THE COURSE

Why this course

In advanced manufacturing and the process industries, operational continuity is threatened by logistics disruptions, technical failures and an increasingly demanding regulatory framework. Running a plant means moving from reacting to managing operational risk in a preventive, structured way. This programme gives you the frameworks and tools to identify, assess and mitigate vulnerabilities in production and across the supply chain, integrate regulatory compliance and ESG risks, and protect your plant's continuity in a crisis.

> ***Based on the reference standards and methodologies (ISO 31000 and the Project Management Institute's risk management methodology) and applied to practical plant case studies. More than 400 professionals trained by Leapman.***
>
> Leapman Academy

WHAT YOU WILL GAIN

By the end of the course, you will be able to:

01 **Understand structured risk methodologies**

02 **Identify risks**

03 **Integrate regulatory compliance and ESG risks into day-to-day operations**

04 **Build the risk register**

05 **Manage risks throughout the project life cycle**

WHO SHOULD ATTEND

Participant profile

- Manufacturing managers, plant managers and production superintendents
- Process and continuous improvement engineers
- Industrial project directors
- Risk, safety and compliance leads

Level and prerequisites

EQF Level 6. Prerequisites: 2 years of operational or management experience in manufacturing, industrial plants or the process industries; working knowledge of flow diagrams, procedures or production KPIs; and responsibility for shifts, lines, quality or safety.

METHODOLOGY

How you will learn

1. Learn

Risk management methodologies that help you minimise threats and maximise opportunities.

2. Practise

Risk identification, qualitative risk analysis, quantitative risk analysis and risk response actions.

3. Apply

Ready-to-use templates for your plant or project, which you will put to the test in the case study.

PROGRAMME

What the course covers

SESSION	CONTENT	HOURS
Session 1	**Risk management methodologies from ISO 31000 and the Project Management Institute** • Fundamental risk management concepts • Defining risk, threat and opportunity	3 h
Session 2	**Qualitative risk analysis** • Defining the probability and impact matrix • Risk identification	3 h
Session 3	**Regulatory compliance, ESG and cross-functional coordination** • Legal responsibilities of plant management and ESG risks • Coordination between departments and compliance KPIs; environmental audit simulation	3 h
Session 4	**Quantitative risk analysis** • Expected monetary value and Monte Carlo simulations • Risk monitoring and control	3 h
Self-study	**Your plant's risk matrix** Development of an operational risk matrix applied to the case study.	4 h
	Total duration: 4 sessions (12 h) + self-study (4 h)	**16 h**

Case study

Risk management for a mining transport fleet.

Assessment and certificate

Leapman Academy certificate of achievement. Requirements: minimum 80% attendance and a final mark of 70/100 or above (theory test 30%, Master Plan 70%).

FACULTY

Taught by industry professionals



LEAD INSTRUCTOR

Pedro Balsa

Managing Director, Leapman

Mining Engineer · MBA · PMP® · PRINCE2® Practitioner

He leads Leapman, a consultancy specialising in project and risk management in complex industrial environments. Over 20 years in mining, energy and engineering in 21 countries as risk manager, project manager and PMO director, with a focus on integrated risk governance. Expert evaluator for Horizon Europe.



SUPPORTING INSTRUCTOR

Carlos J. Pampliega

Vice President, PMI Madrid Spain Chapter

Architect · PMP® · Certified Associate in Risk Management · Professional Scrum Master

A specialist in project management and digital transformation, he teaches risk governance and integration. He has delivered more than 100 projects with PMideas, implemented PMOs in the industrial, IT and construction sectors, and developed AI solutions for predictive analytics. Academic Director of the Project Management Programme at CEU San Pablo Business School.

PRACTICAL INFORMATION

Everything you need to know

DATES
27 January to 4 February 2027

DURATION
12 hours of live sessions + 4 hours of self-study

VENUE OR PLATFORM
Live streaming

PLACES
Groups of 10 to 14

SCHEDULE
Wednesdays and Thursdays, 09:00–12:00 (Madrid time, CET)

FORMAT
Blended: live sessions + self-study

LANGUAGE
English

LEVEL
Professional course · EQF Level 6

INVESTMENT

Course fees

RATE	EARLY-BIRD FEE	STANDARD FEE
Standard	**€671.50**	**€790**
Organisations with a special agreement	**€592.50**	**€711**
Companies enrolling two or more participants	**€592.50**	**€711**

The fee includes

- All 4 live sessions
- Case studies and group simulations
- Templates and tools for every session
- Certificate of achievement

REGISTRATION

How to register

1 **Step 1**
Email info@leapman.eu with your name, company, phone number and email address.

2 **Step 2**
We will confirm your place and send you the payment details.

3 **Step 3**
For the invoice, send us your company name, address and tax ID (VAT number).

REGISTER

More information and registration

www.leapman.eu/en/leapman-academy