



CATOLICA
LISBON SCHOOL OF
BUSINESS &
ECONOMICS
Executive Education

[SPARK]

COMPETITIVENESS & INNOVATION IN ENERGY TRANSITION

EMPOWERING LEADERS TO TURN
THE ENERGY TRANSITION INTO
COMPETITIVE ADVANTAGE

| Achieve
greatness



[SPARK]

COMPETITIVENESS & INNOVATION IN ENERGY TRANSITION

Summary

Introduction	02
What makes this program transformational	03
Program Structure	04
Who it is for	05
Program Director	05
Faculty	06
Guest Speakers	07
Useful Information	08
Financial Conditions	09
A Diploma	09
Alumni Community	09

**Achieve
greatness**

26th Best Worldwide

Open Programs

↑ 11 Rise Worldwide

Open Programs

24th Best Worldwide

Custom Programs for International
Clients

#1 in Portugal

Open Programs for Faculty,
Teaching Methods and Materials,
and Course Design

Recognized by the Financial Times as one of the
world's best schools for executive education.



Accredited by the three leading global institutions
in the evaluation of business schools.



In a world where **energy, critical materials**, and geopolitics are being redrawn in real time, **SPARK | CIENERGY** equips senior leaders to turn disruption into strategic advantage. From the Strait of Hormuz to the intensifying US-China-EU contest for **supply chains, capital, and technological leadership**, the program offers a rigorous, high-impact lens on the decisions that will define **competitiveness, resilience, and growth** in the decades ahead.

Francisco Barreiros
PROGRAM DIRECTOR

For financial and legal leaders,
SPARK | CIENERGY provides
the strategic lens behind the
energy transition.



I Introduction

The global transition in energy and critical materials is reshaping industries, economies, and political agendas, forcing organizations to navigate high-stakes decisions, trade-offs, geopolitical tensions, and critical raw-material dependencies.

A high-impact executive journey for leaders seeking to turn the new energy order into strategic advantage. This program targets firms whose value chains are highly exposed to energy prices, transition dynamics, and critical material dependencies.

Built for C-level executives, policymakers, and strategic decision-makers, it combines market insight, policy intelligence, and business model innovation to help participants lead with clarity in an era where security, sustainability, and sovereignty are inseparable.

Guided by Expert-Led Faculty, professionals shaping strategic responses to the challenges and opportunities at the intersection of the energy and critical materials transition, innovation, and business strategy - including global value chain transformation.



What makes this program transformational

SPARK gives participants a complete strategic view of the new energy order, combining competitiveness, innovation, AI, and policy insight to turn complexity into competitive advantage.

*In a context of energy disruption and geopolitical tension, **SPARK / CIENERGY empowers leaders to transform uncertainty into strategic advantage.***



THE PROGRAM CUTS THROUGH THE NEW ENERGY ORDER TO DEFINE **THREE STRATEGIC IMPERATIVES:**



1.

Energy Transition Fundamentals & Systems Integration

Understanding of global energy systems, storage technologies, and decarbonization pathways.



2.

Strategic Resources, Policy & Business Model Innovation

Apply strategic and economic frameworks to navigate critical material dependencies, manage risk, and develop resilient global value chains.



3.

Applied Energy Solutions & Stakeholder Collaboration

Evaluate complex real-world cases through collaborative problem-solving with peers and industry experts, diagnosing challenges and designing integrated strategies.

It prepares leaders to turn energy transition challenges into strategic and commercial advantage.

*For consultants shaping energy and industrial strategy, **SPARK / CIENERGY deepens the lens on competitiveness and risk.***



Program Structure

MODULE I

GLOBAL ENERGY & CRITICAL MATERIALS LANDSCAPE

- Competitiveness & Energy Systems
- Oil & Gas in Transition
- Electricity & Power Systems
 - Transforming the Power Mix
- Resourcing the Energy Transition
 - Critical Materials & Circularity

MODULE IV

MARKETS, COMPETITIVENESS & POWER POLITICS

- Non-Market Strategies and Competitiveness
- Regulation & Policy Frameworks as Innovation Drivers

MODULE II

UNLOCKING BUSINESS OPPORTUNITIES

- AI as Venture Catalyst
- Competing Smarter with Adaptive Business Models & Applied AI
- Transforming the Firm: Advanced Business Models, Go-To-Market, and Hyperscaling

MODULE V

GRAND STRATEGY IN A WORLD OF GEOPOLITICS, FINANCE & POWER

- Grand Strategies and Geopolitical Dynamics
- Finance, Project Finance, Investment Decision, ESG Impact
- Just Energy Transition
- Boardroom Box Match: Power Politics

MODULE III

STRATEGIC APPROACHES TO ENERGY & MATERIALS TRANSITION CHALLENGES

- Competitively Decarbonizing End-User Sectors: Mobility
- Competitively Decarbonizing End-User Sectors: Hard-to-Abate Industries
- Competitively Decarbonizing End-User Sectors: Consumer & Agro-Industrial Sectors
- Competitively Decarbonizing End-User Sectors: Circular Business Models – Fashion & Packaging
- Competitively Decarbonizing End-User Sectors: Energy, Water, and Waste Services as Enablers of Ecological Transformation
- Competitively Decarbonizing End-User Sectors: Hospitality & Tourism: From Construction to Hotel Operations

MODULE VI

FROM VISION TO IMPACT: CAPSTONE, LEADERSHIP AND FUTURE PATHWAYS

- Innovation at Every Scale: Transformational Leadership Roadmap
- Fireside CEO Chat and Graduation Networking Ceremony

*Where energy transition,
supply security, and
geopolitics now intersect,
SPARK | CIENERGY turns
structural change into
strategic insight.*



Who it is for

Senior executives and decision-makers who lead or influence strategy in contexts shaped by global transitions in energy, critical materials, and sustainability; Ideal for leaders facing economic, technological, environmental, and political challenges.

Profiles: C-level executives, board members, directors, senior managers, policy-makers, and advisors in public or private organizations; leaders of business units, strategy, operations, sustainability, or transformation portfolios.

The program is open to:



Background: Management, economics, engineering, law, public policy, or environmental sciences.

Focus: Professionals who design strategic responses to the energy and materials transition, with experience in high-impact decision-making and a collaborative and sustainable vision.

Program Director



Francisco Barreiros

With over 20 years of executive leadership across the Energy, Mobility, and Technology sectors, Francisco specialises in strategic transformation, operational excellence, and sustainability-driven innovation. His work focuses on addressing complex systemic challenges through interdisciplinary collaboration, stakeholder alignment, and data-driven decision-making, consistently delivering measurable impact in operational efficiency, cost optimisation, technological integration, and long-term sustainable value creation.

He has founded initiatives that promote sustainability in the wine and hospitality sectors. He has completed executive programs at MIT, INSEAD, Católica-Lisbon SBE, and EIT, and holds an Executive Master's in Sustainable Energy Systems (MIT Portugal), a Master's from the London School of Economics, and a Bachelor's in Economics from Católica-Lisbon SBE. He is currently pursuing a Dual Ph.D. in Integral Ecology at the Universidade Católica Portuguesa and Circular Economy - focusing on Circular Business Models - at the University of Trieste (UniTS). His research examines how multinational enterprises can develop integral development routines to navigate persistent tensions across performance dimensions for competitive advantage.

Faculty



**FRANCISCO
BARREIROS**

EXECUTIVE
PROGRAM DIRECTOR



**ANTÓNIO BALDAQUE
DA SILVA**

FACULTY
CATÓLICA-LISBON SBE



**CLÁUDIA ANTUNES
MARANTE**

FULL-TIME LECTURER &
RESEARCHER (DIGITAL
+ SUSTAINABLE
INNOVATION LAB),
CATÓLICA-LISBON SBE



**FRANCISCO MENDES
PALMA**

TRANSFORM4EUROPE



MARIA ESTARREJA

DIRECTOR OF GLOBAL
MARKETING &
PARTNERSHIPS; RETAIL
INNOVATION LAB DIRECTOR,
LUSÍADAS SAÚDE



MIGUEL MONJARDINO

FOREIGN AFFAIRS
COLUMNIST AND
PROFESSOR OF
GEOPOLITICS, UCP-IEP



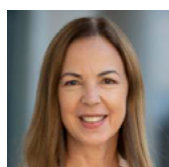
PETER RAJSINGH

ASSISTANT PROFESSOR
(ADJUNCT),
CATÓLICA-LISBON SBE



RENÉ BOHNSACK

FULL PROFESSOR OF
STRATEGY AND INNOVATION;
CO-FOUNDER OF ZERO TO 100



**SÍLVIA TAVEIRA DE
ALMEIDA**

FACULTY
CATÓLICA-LISBON



**VERA HERÉDIA
COLAÇO**

FACULTY
CATÓLICA-LISBON

*As cities and industries
decarbonise, **SPARK | CIENERGY**
helps service providers lead
the transformation.*



*From supply-chain fragility to strategic
reinvention, **SPARK | CIENERGY** gives
leaders the tools to navigate disruption
and capture opportunity.*



*In manufacturing and materials-
intensive sectors, **SPARK |**
CIENERGY turns resource
pressure into strategic foresight.*



Guest Speakers



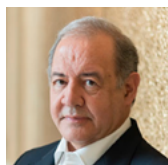
ÂNGELO RAMALHO

CHAIRMAN, TSMARTS
/ CAP CAPITAL



**ANTÓNIO CARMONA
RODRIGUES**

CHAIRMAN OF THE
BOARD OF DIRECTORS,
ÁGUAS DE PORTUGAL



**ANTÓNIO COSTA
SILVA**

FORMER MINISTER OF THE
ECONOMY AND MARITIME
AFFAIRS; FORMER CHAIRMAN
OF PARTEX



ANTÓNIO MEXIA

FORMER CEO OF EDP AND
FORMER MINISTER OF PUBLIC
WORKS, TRANSPORT AND
COMMUNICATIONS



ANTÓNIO VIDIGAL

FORMER CEO, EDP
INNOVATION; ENERGY
AND ITC ADVISOR AND
SPEAKER



ASSUNÇÃO CRISTAS

OF COUNSEL, VIEIRA
DE ALMEIDA; FORMER
MINISTER OF AGRICULTURE
AND THE SEA



CARLOS MOEDAS

MAYOR,
LISBON CITY COUNCIL



DAVID LOPES

COO, BONDALTI



FILIPPE DE BOTTON

EXECUTIVE CHAIRMAN,
LOGOPLASTE



**FILIPPE SERZEDELO
DE ALMEIDA**

BOARD MEMBER,
EGEO SGPS



**JOÃO CASTELLO
BRANCO**

INDEPENDENT DIRECTOR,
CORTICEIRA AMORIM;
CHAIRMAN OF THE BOARD OF
BANCO CTT



**JOÃO DIOGO MARQUES
DA SILVA**

CO-CEO, GALP



JOÃO SCHMIDT

CHIEF BUSINESS
DEVELOPMENT OFFICER,
NAXXAR ENERGY EUROPE



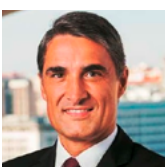
JOSÉ ROQUE

ENERGY & INDUSTRIALS
SEGMENT LEAD |
PARTNER, EY



MIGUEL FONSECA

CEO MOBILITY &
ENERGY TRANSITION,
SALVADOR CAETANO



NUNO SANTOS

EXECUTIVE BOARD
MEMBER, THE NAVIGATOR
COMPANY



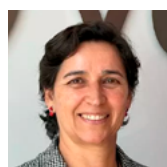
**PAULA ABREU
MARQUES**

DEPUTY DIRECTOR AND
HEAD OF UNIT, EUROPEAN
COMMISSION - DG ENERGY



RHETT WEISS

CHIEF DEVELOPMENT
OFFICER, EXUS DIGITAL



SANDRA SILVA

CEO,
VEOLIA PORTUGAL



TERESA ABECASIS

SENIOR VICE-PRESIDENT
OF ENTERPRISE
STRATEGY, CRH



[SPARK]

COMPETITIVENESS & INNOVATION IN ENERGY TRANSITION

Useful Information

[APPLY HERE](#) 

START DATE	October 6th, 2026
DURATION	36 hours 24 sessions
FORMAT	In-person
LANGUAGE	English
SCHEDULE	Tuesdays and Thursdays, from 5:30 p.m. to 9:00 p.m.
PRICE	2.550€

Included: an admission fee of 250 euros, participation in all program sessions and activities, as well as all course materials, including books, manuals, and other supporting documents; coffee breaks; a parking space at the Universidade Católica Portuguesa; and dinner at the closing session and certificate ceremony.

Alumni of Universidade Católica Portuguesa are eligible for a 10% discount on the program price.

APPLICATION PROCESS



1
FILL OUT THE
APPLICATION
FORM



2
REVIEW OF THE
APPLICATION AND
RESUME BY THE
PROGRAM MANAGEMENT



3
WE ANNOUNCE
THE DECISION



4
FILL OUT THE
REGISTRATION
FORM



5
ONBOARDING

Financial Conditions

Católica-Lisbon SBE signed a cooperation protocol with Caixa Geral de Depósitos which provides special enrollment conditions for Executive Education participants. If you are interested, please check the funding conditions offered by this banking institution.



A Diploma

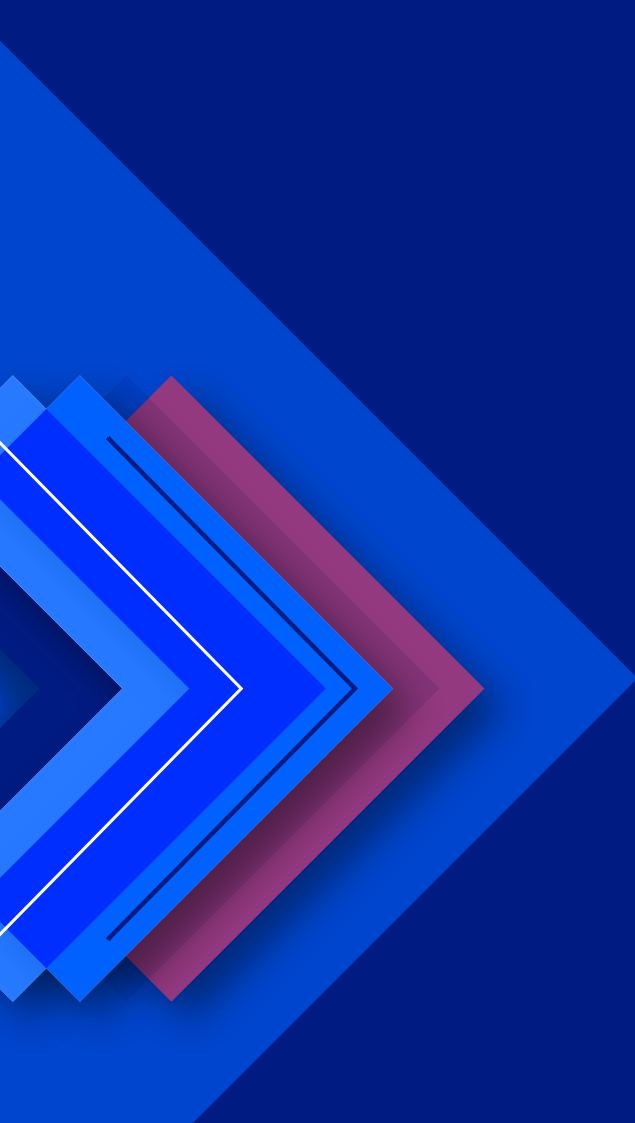
Upon completing a program at Católica-Lisbon SBE | Executive Education, you will receive a diploma recognized by the market as evidence of credible and rigorous training, which will help you advance your career and provide you with tools to improve your company's productivity.



Alumni Community

You will also become part of a community of more than 50.000 alumni spread across more than 50 countries, working in a wide range of fields, with access to exclusive resources and benefits.

- 1. More than 50,000 successful professionals**
in over 50 countries
- 2. Training benefits**
Exclusive discounts for alumni
- 3. Access to exclusive events**
Conferences, masterclasses, and limited-access webinars
- 4. Dedicated content**
Newsletters featuring relevant articles, insights, and trends



Achieve
greatness



PROGRAM MANAGER

Andreia Hidalgo

Tel.: (+351) 217 214 220

E-mail: andreia.hidalgo@ucp.pt

**Católica Lisbon School
of Business & Economics**

Palma de Cima, 1649-023 Lisboa

Tel.: (+351) 214 269 846

E-mail: executivos@ucp.pt

Web: www.clsbe.lisboa.ucp.pt/executivos



The Católica Lisbon School of Business and Economics is accredited by the three leading international business school accreditation bodies, ranking among the select group of the top **1% of business schools worldwide** (Triple Crown).

TRIPLE CROWN ACCREDITED

