Mastère Spécialisé®
Post-Masters in
Management of Energy Projects
According to the International Energy Agency, investments in the energy sector amounted to US$ 1.8 trillion in 2017. Energy projects are often technically complex, capital intensive and should be resilient to technological and policy innovation. The energy sector is undergoing many game-changing transformations. The transition from fossil to low carbon energies is accelerating accompanied by technical challenges to manage intermittency and decentralization, by an evolution of business models from subsidized tariffs to regular market competition to disruptive business models enabled by digitalization. Social acceptance issues and the emergence of energy production and storage at extremely local scale imply that new key stakeholders need to be involved in energy projects.

Manage energy projects in complex and evolving environments

The ‘Management of Energy Projects’ Post-Masters program aims to:
- Provide participants with a strong knowledge base and the interactions skills necessary to make informed decisions in the energy area (technologies, policies, regulations, financing, etc.) and to design robust energy projects in varied and ever-changing environments.
- Encourage a holistic approach of energy project management, with the knowledge and skills to avoid professional silos.

Program syllabus

Training takes place part-time from Wed. PM to Sat. AM from September to April: 320 hours of classes, projects and site visits run parallel to a large, 70 hours-case study. From May to September trainees work full-time for 5 months in the industry and write a professional thesis.

Key Words


Louis-François DURRET, Director of the program
What you will learn

• To conceive energy solutions based on robust business models and adapted to local contexts

• To manage long term projects in contexts that are in permanent evolution, from technologies and supply chains to policies, using risk management approaches

• To steer local, national or international projects to a broad acceptance from the key stakeholders, including the management of social acceptability issues

Your career prospects

You will develop the skills to integrate the different areas of energy project management and engineering: conceptual and business development phases, marketing, financing, public acceptance, construction, operations, etc. You will also be able to work with public authorities at local, national or international levels and to energy regulatory agencies.

The Ecole des Ponts launches a specialized Master’s degree in Energy Project Management

Sara OQAI DI and Gladis MOMBO DJAGA
Interview from EDF
Octobre 2019

What motivated you to want to do this executive master’s degree?

Gladis : « This training allows us to reconcile technical and management skills specific to the energy market and the current challenges of the energy transition. Moreover, it has a real balance between the technical realities experienced by a project manager and a much more macroeconomics, financial and legal approach.»

You are at the beginning of your training. What do you expect from it? What is your return on experience after 1 month of training?

Sara : « The training is very complete. It has started with a review of the principles of project management, then we went through the geopolitical aspects and the presentation of energy markets, the regulatory context of competition and the financial tools for investment decisions. A case study is also on the agenda. It will allow us to put ourselves in the shoes of a manager by working on a real project, and thus put into practice all the skills acquired through the Executive Master’s courses. »

Program strengths

• Skills correspond to the current demand of employers from the energy sector

• Renowned academics and experienced professionals from the energy and finance sectors

• Modern training techniques, allowing students to develop, use and strengthen professional skills in project management while acquiring a strong knowledge base for decision-making, critical thinking and risk analysis abilities

• The complex human dimension of many energy projects is reflected in the diverse student population, from multiple cultures and disciplines, with classes in English

• Compatible with a professional activity

Careers

Graduates will work in Europe and abroad in:

• Energy generation, distribution, trading firms

• Energy equipment & services suppliers

• Construction industry

• Finance institutions, Banks, Investment Funds, Development Banks

• Audit and consulting firms

• Administrations and public sector institutions
Profiles and required qualifications
Candidates must hold a 4/5-year higher education qualification: Bac+5 or Bac+4 with professional experience in the energy, finance or project management sectors.

Admission
Candidates can enroll in the program after selection of their application by a jury (apply online at http://energy-projects.enpc.fr/en). The selection process includes an interview that allows to judge the adequation between the program and the candidate’s profile and professional project.

Timetable
Applications from February to July. The program starts in September. Duration: from September to September, including a 5-month industry placement (classes from Wednesday afternoon to Saturday morning).

Places
12 to 20.

Language
English.

Validation
390 hours - Professional thesis.
75 European Credit Transfer System (ECTS): 45 ECTS for classes, projects and case study, 30 ECTS for the professional thesis.

Class coordinators
Pierre Aubry, AREVA
Marc Boililot, Algorus Consulting
Hélène Bovais, Strat & Org Conseil, CEDEP, IEP Paris
Pierre Charretton, consultant, mediator
Thomas Cuingnet, Keolis
Christophe Crocombette, EDF
Isabelle Delarbre, senior advisor, independant administrator
Philippe Duc, EGIS
Jean-Pierre Favennec, consultant, author
Didier Folus, Université de Nanterre
Clive Gallery, École des Ponts ParisTech
Didier Kechena, Consultant
Franck Lecocq, École des Ponts ParisTech
Jérôme Leparoux, Daher
Alain Nadaï, CIRED
Henri Philippe, Accuracy
Myriam Saadé, EIVP

Teaching venue
The program will be taught at: École des Ponts ParisTech (Champs-sur-Marne). Some lectures will take place at other venues in Paris.

Costs
€12,000 (net of VAT) for students who pay for the course themselves.
€15,000 (net of VAT) for students for whom the course is paid for by a company or organization. These prices are subject to change and exempt from VAT.

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