

PEGE

**Project in engineering and
management of ENERGY**

**Master on Engineering and
Management of Energy**

PEGE MODE 1 and MODE 2

MODE 1 – work alone in a micro Thesis

**MODE 2 – work in groups, following the stage gates
of a technological project (Groups of 5)**

PEGE MODE 1

MODE 1 - *This is the most conventional Project mode. You develop a kind of a micro thesis - This mode is **individual***

*You choose a **subject** (within the scope of your master, related to energy and energy management),*

*You choose a **supervisor** (a Professor you have already had in an energy technology subject, being from IST or not),*

*You write a **PROPOSAL**, I appreciate and access the proposal, I approve the proposal and then you develop your work in this subject along the semester.*

During the semester, you will define work sessions with your Technical Supervisor, as well as with your Management Supervisor (that I will allocate to you when I approve your proposal). I will also appoint one or two short meeting with each of you to know how you are performing

Please consult on **Fenix** a Proposal Template and Report Template for Model 1

PEGE MODE 2

MODE 2 – All RENE students should be in this mode. I accept (**if I can** and according to the capacity available) students of other branches. I mean, I accept if it is possible, other students (non-RENE) interested in this mode. MODE 2 is a **group** choice.

In this mode, you prepare no thesis, you just prepare **four PowerPoint presentations** that are stage (gates) of a project

These stage gates (control gates) are Zoom sessions in which groups show their progress in the project. We will have groups of 5 students. I will choose and define the dates of the 4 sessions in the kick-off meeting

Please consult on Fenix a Template for Model 2 report

PEGE MODE 2

Sessions Schedule, always at 14h (2 o'clock)

March, 11 - Kickoff Meeting – PEGE Modus Operandi **and** introduction to CASE - Understanding the energy storage market and value chain

April, 8– Session 1 - overview and state-of-the-art

April, 29 – Session 2 - Industrial value chain analysis

May, 20 – Session 3 - analysis of current industrial capacity and what is going on

June , 9 – Session 4 – presenting a specific project (choice of the group)

PEGE MODE 2

Preparing process for mode 2

I need that the students interested in MODE 2 send me an email
The ones that don't send the email are MODE 1

I accept the first thirty students that send the email

I will provide the Groups of 5 students by myself

I let you know the groups as soon as I receive all mails

PEGE MODE 2

There is a file

“Engineering & Business Case.docx[®]”

**trade mark of Innoenergy that we will put in FENIX
by steps. According to the control gates of the
project in this semester. First step is ...**

PEGE MODE 2

STG-1	Understanding the energy storage market and value chain	
	<p>Tasks:</p> <ol style="list-style-type: none">1. Review of state-of-the-art (technological)2. Identify the complete value chain (industrial)3. Search for circular economy solutions <p>DELIVERABLE - European Market overview and international contextualizing. Global market analysis considering key technologies and players.</p>	11/03 14h