

Erasmus+ Project @NU

Mastering Energy Supply focusing on Isolated Area (MESfIA)



About the project

November 2018 to November 2021

Mastering Energy Supply for Isolated Areas (*MESfIA*) aims to provide high quality postgraduate education on energy supply systems for engineers and graduates from science departments, aiming to have activity or to be employed in projects in countries with many isolated areas and insular systems. It is a co-operation activity between EU and S.E. Asian Countries (namely Thailand, Vietnam and Indonesia) to improve capacity of Postgraduate Students in S.E. Asian Universities.



Co-funded by the Erasmus+ Programme of the European Union



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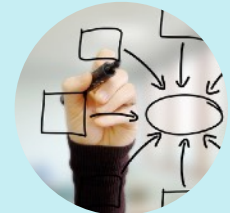
POST-GRADUATE

2

HIGHER EDUCATION INSTITUTION

3

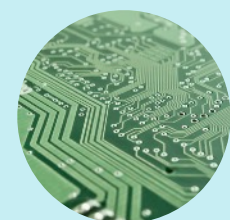
CURRENT OR FUTURE EMPLOYEE



Collaborations
Establish a strong collaboration between EU and Asian HEIs.



Transform
Transform existing MSc Program to a Novel MSc Program.



Engineer
Provide high competitive, skilled and qualified engineers for energy industry.

Objectives

Among the objectives of the project are:

- To define best practices of courses including procedures and requirements for certification of the achieved qualification in energy systems at regional and national level and also recommendations to stakeholders.
- To define best practices for implementation vocational of training including incentives for energy systems' professionals to qualify and find financial resources.
- Such programmes will help EU HEIs to collaborate with Asian HEIs in problems that may be common like energy efficiency, coastal and island areas.
- By the end of the project, graduates from the adapted MSc or new MSc programs in the Partner Countries HEIs should be able to claim their expertise on improving energy supply conditions in isolated areas.
- An ambition of the project is to attract students from areas with problems in energy supply and prepare them to have activity in the energy sector in their own homeland. As South-East Asia is a bridge between Asia and multi-island Pacific Area, students from these areas could be reached as well as a follow-up of this project



Outputs

- Realising the difficulties in Isolated Environments and the associated peculiarities with energy management on such systems
- Training of Engineers at Post Graduate Level so that they can cope with the aforementioned peculiarities and become ready for applying intelligent solutions to energy supply of isolated areas. Some of these solutions could be applied in stronger power systems as well
- Establishing EU-Asia co-operation at regional level-island regions-common problems require common solutions and the young generation of scientists and engineers should be aware of the potential solutions.
- Transform existing MSc programs to targeted MSc programs for isolated areas
- Establishing legal recognised MSc titles so that the students can take advantage of participation in applying for jobs in regions with relatively low electrification level and many islands.

PARTNERS

Hellenic Mediterranean University
 Canary Wharf Consulting LTD
 Université Toulouse 3 - PAUL SABATIER
 Instituto Tecnológico de Canarias
 Eurotraining Educational Organization
 Naresuan University
 Asian Institute of Technology
 Universitas Gadjah Mada
 Institut Teknologi Bandung
 Nong Lam University
 The University of Da Nang

Greece
 United Kingdom
 France
 Spain
 Greece
 Thailand
 Thailand
 Indonesia
 Indonesia
 Vietnam
 Vietnam



Course Outline

Master of Engineering (Electrical Engineering)
Taught Course (Plan A Type A2) - 2 Years

Core Course - 3 Credits

- Mathematics for Approximation

Elective Courses - 21 Credits

- Power Generation
- Transmission & Distribution
- Economic and Planning
- Optimization

MESfIA Project

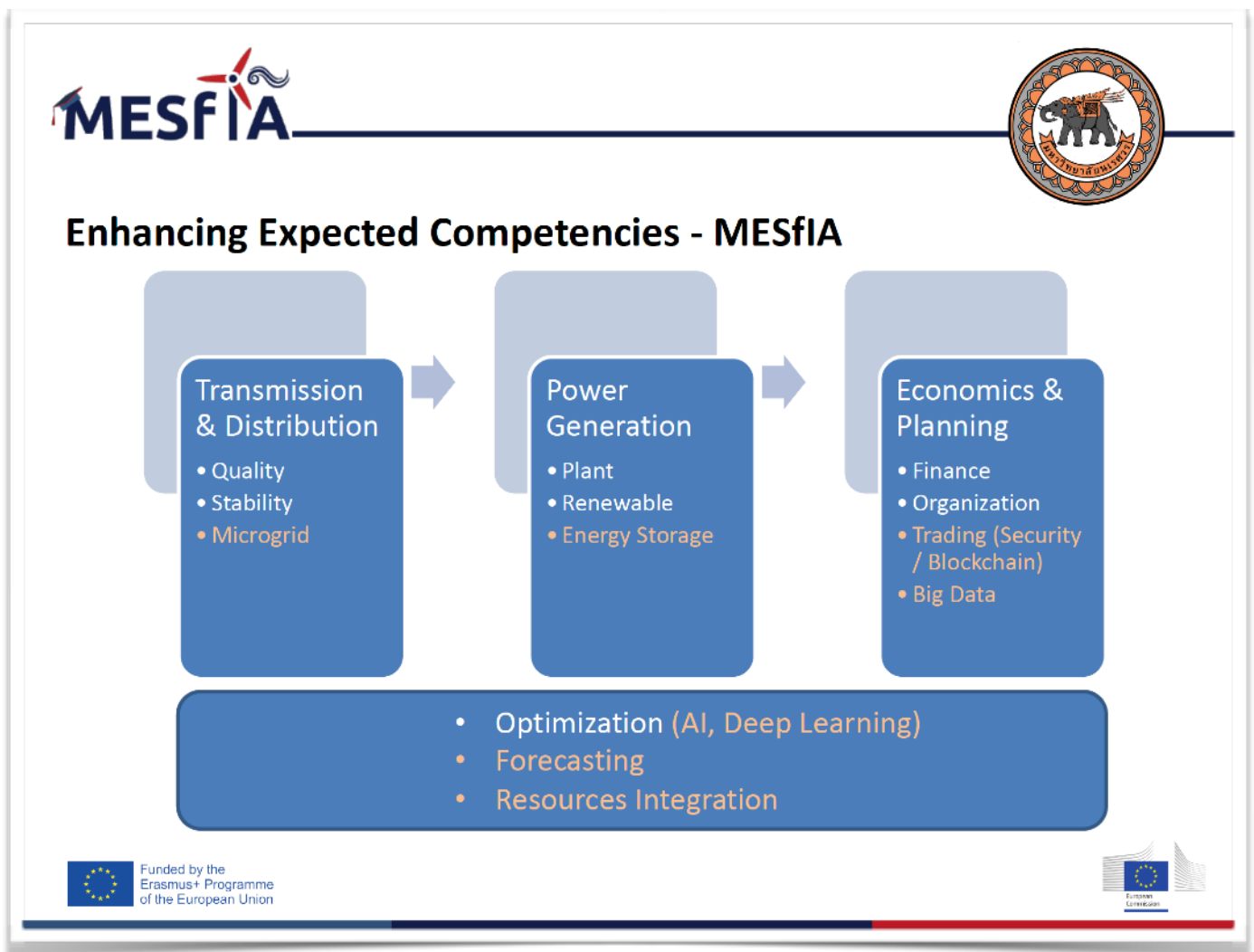
Specialise on
Energy for Isolated Area

Required Non-credit

- Seminar/Research Methodology

Thesis - 12 Credits

- Thesis I, II, III



Contact Us

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