

### UMEME Project – University of Dar es Salaam

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Ms. Beatrice Mwella

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# Main Information

- Call: ERASMUS-EDU-2022-CBHE
- Type of action: ERASMUS-LS
- Proposal number: 101082825
- Proposal acronym: UMEME
- Proposal title: new edUcation systeM for Electric access developMEnt in tanzania
- Duration (months): 36
- Activity: ERASMUS-EDU-2022-CBHE-STRAND-2
- Grant amount (after evaluation): 794 003.00 €
- Project starting date: April 1<sup>st</sup>, 2023
- Project end date: March 31<sup>st</sup>, 2026



The aim of UMEME capacity building project is to enhance the university education system for Tanzanian electrical/energy engineers, to enable universal access to electricity and energy transition in Tanzania, within the framework of the UN-SDGs.

The UMEME project aims to increase the quality of electrical engineering education, through:

- a) deeply modernizing the curricula, making them less theoretical and more practical, energytransition-oriented, based on SDGs, integrated by soft-skills and interdisciplinary elements, strongly addressed by stakeholders, capable of responding to the needs of the labor market;
- b) creating 6 new innovative laboratories (3 for power system modelling, 1 wind+solar+storage, 1 electrical vehicles, 1 EV re-charging);
- c) innovating teaching methodologies;
- d) training academic staff adequately, also through mobility.



### Consortium

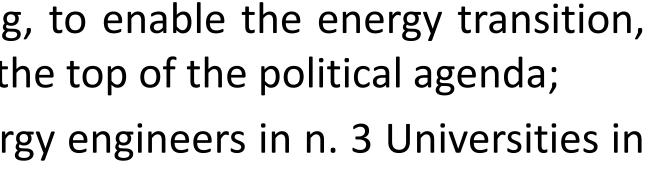
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n.	Full name	ļ
1	Sapienza University of Rome	ι
2	University of Cyprus	ι
3	University of Dar Es Salaam	ι
4	Dar es Salaam Institute of Technology	
5	Karume Institute of Science and Technology	k
6	UNeeD.IT Srl	ι
7	Studio Santi Limited	S
8	Electrical Transmission and Distribution Construction and Maintenance Company Limited	E
9	Magaldi Power Spa	ſ

Acronym	Country	Role
UNIROMA1	Italy	Coordinator
UCY	Cyprus	Partner
UDSM	Tanzania	Partner
DIT	Tanzania	Partner
KIST	Tanzania	Partner
UNeeD	Italy	Partner
SSL	Tanzania	Partner
ETDCO	Tanzania	Partner
MAGALDI	Italy	Associate Partner



# **Specific Objectives**

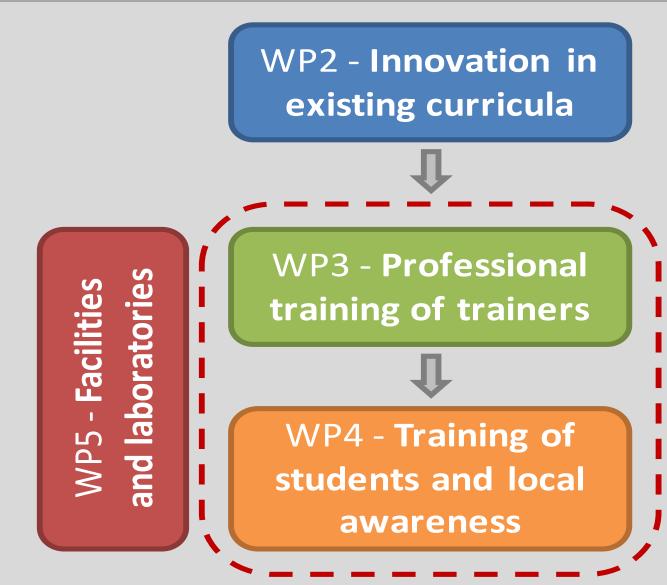
- To provide high-level technical skills, especially engineering, to enable the energy transition, crucial for the sustainable development of Tanzania and at the top of the political agenda;
- To modernize the existing programmes on electric and energy engineers in n. 3 Universities in Tanzania;
- To train professors, trainers and professional on the interdisciplinary topics concerning the energy transition and sustainable goals, mainly in Africa;
- To innovate and power existing laboratories with new equipment on Energy and numerical simulation;
- To support the mobility of students and staff between European and Tanzanian Universities; • To promote at academic level and in the civil society the main principles and priorities of
- Green Deal.





## Work Packages

WP1 - Management, financial and evaluation framework







## How to Draft a Successful Plan

- Strong participation of all partner Institution
- A shared ownership in the setting up of the proposal
- Involvement of "Associated Partners" in the implementation of specific tasks or as support of dissemination and sustainability activities

1. COMMITMENT OF PARTNER INSTITUTIONS IN THE PROJECT

#### 2. NEEDS ANALYSES

- To identify those areas/fields that need to be strengthened
- To identify the reasons for the gaps in those areas
- To provide the basis for designing appropriate interventions

- Modernisation/New curricula
- Involvement of students
- Mobility of staff and students
- Quality Assurance
- Partnership Agreement
- Equipment
- Impact and Sustainability
- Eco-friendly implementation

3. IMPLEMENTATION AND MONITORING



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### THANK YOU FOR LISTENING

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