

Electrical Energy Markets and Engineering Education

Reference number

585681-EPP-1-2017-1-EL-EPPKA2-CBHE-JP

Project year

2017

Duration in years

3

Scope

Regional

Type

Erasmus+ Joint Projects - Curriculum Development

Summary

ELEMEND project is aimed to provide Serbia, Bosnia & Herzegovina, Montenegro and Kosovo with high profile professionals in intelligent microgrid technologies and emerging electrical energy markets in line with societal and market needs in the Western Balkans. Capacity building in engineering academic staff and students as well as in the general public (through dissemination activities) will create a favourable environment for energy related business and will modify the electricity user's behaviour.

Specific objectives of the ELEMEND project are:

1. To increase capacity building for study in smart grids offered both in English and in local languages at BSc and MSc level at 9 WBC HEIs.
2. To develop, accredit and implement new courses in smart grids at the BSc (6 courses) levels at the 8 WBC HEIs involved in the project by the end of the project
3. To develop, accredit and implement new MSc programme (8/12 courses - 60/120 ECTS) in the field of smart grids and electricity market according to Bologna requirements and the new developments in smart grids by the end of the project
4. To introduce new ICT tools as a self-learning tools in participating WBC institutions
5. To increase employability by targeting WBC labor market needs in smart grid field

Updated and new created curricula will be accredited by the official institutions in each WBC country and it will be implemented in the third project year. By achieving the defined objectives and activities we will support business sector by ensuring that graduates are educated and skilled according to the market needs and new trends in specified fields. Updating curricula and development of new master programmes, flexible and adaptive to the labor market requirements, will increase graduate employability. At least 10 students from each HEI will be involved in the internship programme and on that way will be introduced with knowledge and skills requested by the enterprises.

Academic staff from WBC universities will be trained in both new smart grids topics and new ICT based teaching tools. New laboratories will be installed at 9 HEIs that will be used in teaching process as well. So, higher education institutions will be modernized and they will be able to follow the current trends in energy sector and smart grids.

By creating the network of the institutions involved in the project, the new contacts between EU and WBC institutions will be established, which can further lead to the creation of the new common projects.

Partners

Technologiko Ekpedeftiko Idrima Stereas Elladas- coordinator (GR)

- Technische Universitaet Wien • TUW (AT)
- University of Vigo - UVIGO (ES)
- Riga Technical University (LT)
- International Burch University - IBU (BA)
- University of Tuzla (BA)
- University of East Sarajevo – UES (BA)
- Mediterranean University - Faculty For Information Technology –FIT (ME)
- University of Novi Sad – UNS (RS)
- Singidunum University - SU (RS)
- University of Pristina in Kosovska Mitrovica – UPKM (XK)
- Technical College of Applied Sciences Urosevac - TCASU (XK)
- Montenegrin Association for New Technologies – MANT (ME)
- Public Electric Utility Elektroprivreda of Bosnia and Herzegovina d.d. • Sarajevo • EP BIH (BA)
- PROSMART (RS)
- University for Bussines and Technology - UBT (XK)

Approved budget in euros

930.543

Tempus grant in euros

930.543