



## Electrical Energy Markets and Engineering Education

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<http://elemend.ba/>



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Facilitated by the developments in renewable energy sources RES and distributed generation as well as ICT technologies, smart grid and microgrid technologies are recognized as a world changing trend that will permeate everyday life and reshape all energy related industry and businesses. These developments have expedited the deregulation of existing electricity markets and facilitated the emergence of new ones. The new paradigms of electricity grids and markets require that the staff operating in the new technological and economical environment as well as electricity end users are properly educated and trained.

ELEMEND is a capacity building project designed to facilitate electrical engineering curricula to be competitive through teaching and training in smart grid technologies and electricity markets. Expected outputs include new and updated BSc courses and MSc programmes, training of academic and technical staff, new ICT pedagogical tools, such as e-learning platforms and gamified content combined with blended learning, an internship programme for the most motivated of the ELEMEND students, new laboratories accessible to all WBC partners, an ELEMEND network around the core group of the project's industrial partners. The student projects carried out in ELEMEND labs in the third project year will focus on real-life problems while the e-learning courses, gamified applications, virtual labs, new courses and MSc programmes are expected to engage new students and relevant target groups after the lifetime of the project as well as enhance public's awareness.

### ELEMEND Consortium

#### TEI of Sterea Ellada, Greece (Coordinator)

Elektroprivreda BiH d.d., Bosnia & Herzegovina

International Burch University, Bosnia & Herzegovina

MANT, Montenegro

Mediterranean University, Montenegro

Riga Technical University, Latvia

Singidunum University, Serbia

Technical College of Applied Sciences Urosevac, Kosovo\*

Technical University of Vienna, Austria

University for Business and Technology, Kosovo\*

University of East Sarajevo, Bosnia & Herzegovina

University of Novi Sad, Serbia

University of Pristina in Kosovska Mitrovica, Kosovo\*

University of Tuzla, Bosnia & Herzegovina

University of Vigo, Spain

PROSMART, Serbia

[www.teiste.gr](http://www.teiste.gr)

[www.elektroprivreda.ba](http://www.elektroprivreda.ba)

[www.ibu.edu.ba](http://www.ibu.edu.ba)

[mant.me](http://mant.me)

[unimediterranean.net](http://unimediterranean.net)

[www.rtu.lv/en](http://www.rtu.lv/en)

[singidunum.ac.rs](http://singidunum.ac.rs)

<http://www.vtsurosevac.com/>

[www.tuwien.ac.at](http://www.tuwien.ac.at)

<http://www.ubt-uni.net/>

[www.ues.rs.ba](http://www.ues.rs.ba)

[www.uns.ac.rs](http://www.uns.ac.rs)

<http://pr.ac.rs>

[www.untz.ba](http://www.untz.ba)

[www.uvigo.gal](http://www.uvigo.gal)

[www.prosmart.rs](http://www.prosmart.rs)

\*According to the UN Security Council Resolution 1244.