Establishing Smart Energy System Curriculum at Russian and Vietnamese Universities (ESSENCE) is a curriculum development project initiated by universities from European Union, Russia and Vietnam funded by the Erasmus+ Programme of the European Union, Key Action 2, Capacity Building in Higher Education

ESSENCE consortium consists of 10 higher educational institutions from Latvia, France, Slovakia, Russia and Vietnam and an associated partner all having solid academic and research background, established connections with industry, strong motivation to share the best practices and adopt them.

The project will benefit multiple target groups on different levels during the project life-time and beyond: current and prospective students, staff of participating universities, higher educational society and industry.

ESSENCE
Establishing Smart Energy System Curriculum at Russian and Vietnamese Universities

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

10 UNIVERSITIES

5 Russian universities

3 European universities

2 Vietnamese universities

5 COUNTRIES

7 LABORATORIES

10 DISCIPLINES

PROJECT GOALS

- To boost internationalisation processes at Russian and Vietnamese universities through intensifying international and national level cooperation between participating universities
- To create necessary similarities enabling academic mobility between participating universities and smooth recognition of study results obtained
- To enhance professional competence of partner countries universities teachers and enhance networking amongst the participating universities
- To enhance collaboration with industrial enterprises as main stakeholders for their involvement into educational process
- To enhance the employability of university graduates

CONSORTIUM

- **Riga Technical University (RTU) Riga, Latvia**
- **Grenoble Institute of Technology Grenoble (INPG), Grenoble, France**
- **Technical University of Kosice (TUKE), Kosice, Slovakia**
- **Tomsk Polytechnic University (TPU), Tomsk, Russia**
- **Irkutsk National Research Technical (INRTU) University, Irkutsk, Russia**
- **Ural Federal University (UrFU), Ekaterinburg, Russia**
- **Kazan State Power Engineering (KSPEU) University, Kazan, Russia**
- **North-Eastern Federal University (NEFU), Yakutsk, Russia**
- **Ho Chi Minh City University of Technology and Education (HCMUTE), Ho Chi Minh, Vietnam**
- **Hanoi University of Mining and Geology (HUMG), Hanoi, Vietnam**
- OOO Siemens Moskva — **Associated partner, Moscow, Russia**

PROJECT RESULTS

- Modernised degree programmes will be implemented at RU and VN universities, peer-reviewed teaching and learning materials including guide on industry involvement in 3 languages (EN, RU and VN) will be developed and uploaded to project web-site for free use
- Partner university teachers, representatives of RU and VN HEIs will be trained in advanced teaching methodologies.
- Partner university teachers will enhance their skills in curriculum development and subject area
- Contacts with industrial enterprises in RU and VN will be established for their deeper involvement into educational process and enhanced job placement of programme graduates
- Agreements on academic mobility between CM will be signed

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PROJECT COORDINATOR

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