

PARTNER SEARCH FORM

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| Programme (delete as appropriate) | Tempus: Joint Project Project area: Curricular reform (CR) Subject area: Science; engineering. Program theme: Modernisation of curricula Processes and equipment of chemical engineering National project |
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Who we are

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| Name of institution | Riga Technical University, Institute of General Chemical Engineering | |
| Type of institution | University | |
| City | Riga | |
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| | Position | Director of the Institute on coordination of programs, projects and grants in the fields of education and science |
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Our project idea

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| Introduction | Processes and equipment of chemical engineering is an independent interdisciplinary engineering science, which studies all the processes which result in variation of material condition, location, composition or properties. The most significant applications of this science are any kind of chemical engineering, pharmacy, food technology, biotechnology, environmental engineering, manufacturing of building materials, etc. Processes and equipment of chemical engineering are closely connected with device construction, process mechanization and automation industries. Therefore, the most significant objectives of the processes and equipment chemical technology science are: <ul style="list-style-type: none"> - Analysis and optimization of various processes and equipment, determination of their common features; - Studying, developing and enhancing the calculation principles and methods of equipment and device constructions. - Application of these methods in design and realization of the certain technological processes and equipment. |
| Objectives | <ol style="list-style-type: none"> 1.Improve and modernize chemical engineering processes and equipment subject required by very fast development of new technologies, process management and automation. 2.Improve and modernize knowledge, and training level. 3.Provide students with a possibility to test the obtained theoretic knowledge and skills on modern laboratory and pilot equipment. This could allow to research, analyze and model technological processes in practice, relating them to the process management elements. 4.Educate high-class specialists in manufacturing sector, for new technology development. |

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| Expected results | 1. Transfer of knowledge between the target groups due to exchange of experience between the target universities. 2. Development of documents on future project sustainability. |
| Working language | English |
| Duration | 24 months |

We are searching for

- For national projects, proposals must be submitted by groupings of institutions involving:
- **at least** three higher education institutions from a Partner Country (in the case of Montenegro and Kosovo, due to the small size of the higher education sector, one higher education institution will be sufficient);
- **at least** three higher education institutions from the EU, each from a different EU Member State.

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| Types of institutions, countries, etc. | Higher Education Institutions European Union Countries: Germany, Estonia, Lithuania Higher Education Institutions Region: Eastern Neighbouring area : Armenia, Azerbaijan, Belarus, Georgia, Moldova, Ukraine National priority: Physical science, engineering, engineering trades |
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If you are interested to develop together with our institution the project as described above please do not hesitate to write to our contact person.