

Member of the Association of Environmental Enterprises

The Szent István University Pyrolysis Technology Research Centre

The project

The Tessedik Campus (Szarvas) of the Economic, Agricultural and Health Sciences Department of the Szent István University (SZIE) has won a support for a project „**Developing Basic Research in the Szent István University Pyrolysis Technology Research Centre**” in „Supporting basic and targeted research with international co-operation” tender announced in the framework of the New Széchenyi Plan Social Renewal Operative Programme (TÁMOP) (TÁMOP-4.2.2.A-11/1/KONV-2012-0015)

The thermal decomposition process, which is in the focus of the project, is now at the centre of the interest of researchers and inventors in abroad and in Hungary as well. In order to implement the project the University has set up a research team involving Hungarian and foreign researchers, doctors of the Hungarian Academy of Sciences, young researchers, PhD-students and representatives of the business sector as well.

The main research and development objectives and expected results:

- establishing an independent technology knowledge centre, which
 - is able to properly analyse the available and future new thermal decomposition technologies and processes and evaluate them according to market, social and environmental aspects,
 - can provide advice on choosing the proper technology for the buyers,
 - is able to evaluate and classify the end-products and environmental impacts of each technologies with independent and objective measuring,
- design and test of measuring (the raw materials, end products, and environmental impacts) and classification processes and economic investigations
- information collection, systematization and objective and comprehensive analysis in the topic of thermal decomposition (knowledge centre); networking, partnership development and exchange of information with partner plants and research institutions,
- setting up technical and nature sciences trainings (faculties, courses), which meet the market needs
- working out package of recommendations (legal rules, permitting, supporting systems) for the policy makers to promote professional and scientific decision making,
- providing basis for future research projects.

The research at plants scale and at laboratory scale and the development of measuring of laboratory scale the University would operate a technology research centre, which on the one hand provides help for the interested parties (investors, municipalities, and research centres) in choosing among the technologies and on the other hand to the owners of equipment and plants in optimisation, further development and expanding the applications of their technologies.

The project's timeframe: 1/October/2012 – 31/January/2015

Contacts:

Opportunities for developing co-operation: Péter Simándi PhD, professional leader
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A projektek az Európai Unió
támogatásával valósulnak meg.