

## Energy Engineering and Management Program about to Start

Innovative Studies Program at KIT's HECTOR School for Young Executives in Industry



Renewable energies will be in the focus of the new studies program that combines engineering with management modules. (Photo: stockphoto)

Profound knowledge of new energy technologies, combined with up-to-date management know-how, is conveyed by the new studies program "Energy Engineering and Management" that will be offered parallel to profession by KIT's Hector School. This innovative master program addresses young executives in industry and meets with the increasing demand for engineers having international management know-how. As part of the European KIC InnoEnergy consortium, the studies program will support the development of a climate-neutral, sustainable energy supply in Europe.

Energy drives progress. Industry, communication, mobility and transport, public institutions, and private households depend on reliable, secure, and affordable energy supply. At the same time, energy use is increasingly associated with problems for the climate and environment, such as global warming due to carbon dioxide emissions (CO<sub>2</sub>). Wide use of renewable energies and a high efficiency of energy conversion, storage, and distribution will pave the way towards secure and sustainable energy supply. Industry and



KIT Energy Center: Having future in mind

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research have to develop viable solutions. “Excellently qualified engineers and scientists with comprehensive technical knowledge and profound entrepreneurial thinking and acting are indispensable,” Professor Hans-Jörg Bauer, Scientific Spokesman of the KIT Energy Center, says. Together with Professor Mathias Noe, he directs the master program “Energy Engineering and Management.”

In September this year, the M.Sc. program will start at the Hector School of Engineering and Management, KIT’s Technology Business School. The program has a duration of one and a half years. The target group consists of future executives and high potentials of utilities and producing companies in the energy sector. “Experienced engineers in particular have an acute need for requalification relating to technologies for renewable energies”, the manager of the Hector School, Dr. Judith Elsner, explains. “In view of the high industrial and social relevance of this issue, demand for experts in this field is growing.”

Five engineering modules of the studies program in the English language focus on renewable energies, conversion of thermal energy, electricity production and energy storage, smart grids and energy distribution, and on energy management. In addition, five management modules are offered on finance and accounting, international project management, innovation and intrapreneurship, human resources management, and contract law. The module on innovation and intrapreneurship, i.e. on the entrepreneurial acting of the staff, will be held at the ESADE Business School in Barcelona/Spain.

The Energy Engineering and Management Program of KIT is intended to complement the training offers made by the European consortium KIC InnoEnergy. KIC InnoEnergy, an association of 28 renowned companies, research institutions, universities, and business schools, was founded to establish a secure and sustainable energy supply in Europe. KIC InnoEnergy wishes to strengthen the innovative capacity of Europe by closing the innovation gap and training highly qualified experts for the energy sector.

**Karlsruhe Institute of Technology (KIT) is one of Europe’s leading energy research establishments. The KIT Energy Center pools fundamental research with applied research into all relevant energy sources for industry, households, services, and mobility. Holistic assessment of the energy cycle also covers conversion processes and energy efficiency. The KIT Energy Center links excellent competences in engineering and science**

**with know-how in economics, the humanities, and social science as well as law. The activities of the KIT Energy Center are organized in seven topics: Energy conversion, renewable energies, energy storage and distribution, efficient energy use, fusion technology, nuclear power and safety, and energy systems analysis.**

**Karlsruhe Institute of Technology (KIT) is a public corporation according to the legislation of the state of Baden-Württemberg. It fulfills the mission of a university and the mission of a national research center of the Helmholtz Association. KIT focuses on a knowledge triangle that links the tasks of research, teaching, and innovation.**

This press release is available on the internet at [www.kit.edu](http://www.kit.edu).