

National Research University as a Center for Scientific Competence and Innovation

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Tomsk State University:

Imperial Tomsk University since 1878

*National Research University since 2010 (**program of NRU development**)*

Tomsk State University (TSU) is the leading scientific and educational center of Russia. TSU carries out the investigations within the framework of priority areas of science and technology of the Russian Federation.

Total number of employees: 3443
including 298 Doctors of Sciences, 855 PhDs
23 departments, 18 694 students

In 2011 consolidated budget of TSU amounted to **more than \$130M.**

TSU scientists carried out **more than 700 scientific projects** worth **more than \$35M.**

Project Approach in Innovation Management

Head of department

Strategy of commercialization of STAR

IP Office

*Center for market research
and communications*

Patents and licensing

Marketing

*Council on
intellectual resources*

*Office for scientific
and technical information*

Foundation and
monitoring of start-ups

Exhibitions and
catalogs of STAR

Innovative youth

*Department of Innovative
Technologies
Business Incubator*

Metrology

Metrology Office

Complex
scientific
research

Preparation and
submission of projects

R&D Support Office

*Tomsk Regional Collective
Use Center*



Interaction between University and Industrial Partner

Scientific competencies of the University/Consortium of Universities allow solving any technology challenge of Industrial Partner



Formulation of the Customer's problems to be solved

Formation of project team consisting of representatives of the Customer and the University/Consortium of Universities

R&D using the equipment of collective use centers of the University

Professional training through educational programs prepared together with the Customer

Participation of the University employees in the programs of development of industrial enterprises

Interaction between University and Small Innovative Business Enterprise



Contribution of the University allows Small Business to quickly finalize the innovative product, receive the allowing documentation and bring the product to the market

The product is developed taking into account the market demand

New technology/product is developed with technical documentation, metrology support, and allowing documentation

University acquires analytical and technological equipment and enlarges the area of Collective Use Center accreditation taking into account the demands of small business

Business concept and business plan are formulated together with skilled specialists free of charge for small business

Business team is formed at the stage of product finalizing at the University and employed to small business enterprise

University assists to making of the demand for innovative product, provides the information and legal support to small business

Innovative enterprises of TSU in 2011

- Innovative surrounding of TSU comprises 32 small business enterprises, including 16 established on the basis of the Russian federal law No. 217-FZ
- Total amount of charter capital of TSU small business companies is amounted to **\$5M**
- **57 new work positions were created in 2011** at the companies established on the basis of federal law No. 217-FZ. Total number of work positions at the companies of TSU innovative surrounding is 246
- In 2011 small business companies carried out **104 projects** worth **more than \$4.7M**
- Amount of high-technology products and services, produced by small companies of TSU, exceeded **\$5M**



Training of the army of entrepreneurs at the University



The system of youth entrepreneur training is based on the work within real innovative projects

University educates innovative managers at the specially established department (Department of Innovative Technologies)

University does not provide “study cases”. The work is performed on the basis of real innovative projects at all stages of the project development

Business team is formed including active students from various departments (chemistry, physics, biology, market research specialists, economists, managers, sociologists, etc.)

Business team works together with skilled specialists in business strategy, marketing, technology patenting and licensing, etc.

Business teams are suggested to bring the development into industry and find employment in the established companies

THANK YOU FOR ATTENTION

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