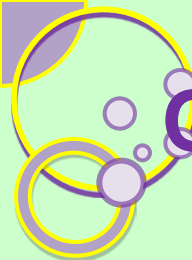
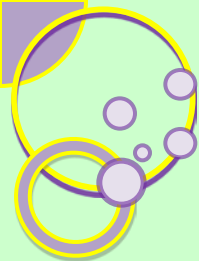


Technology Transfer Office
“Information and Communication
Technologies for Energy Efficiency”
TTO “ICTEE”



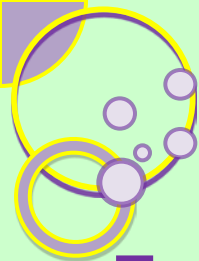
Operative Programme “Development of the Competitiveness of the Bulgarian Economy” 2007-2013

- **Priority 1** : “Development of the economy based on knowledge and innovative activities”
- **Procedure BG161PO003-1.2.02** „Creation of new and development of existing technological transfer offices“
- **Beneficiary: INSTITUTE OF INFORMATION AND COMMUNICATION TECHNOLOGIES**
- **Project:** Construction of Technology Transfer Office “Information and Communication Technologies for Energy Efficiency“



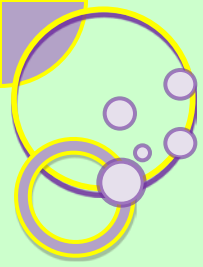
MAIN GOAL

- To support the establishment of a pro-innovation infrastructure at the Bulgarian Academy of Sciences ;
- Implementation of the national innovation strategy in the sectors of Energy Efficiency (EE) and Information and Communication Technologies (ICT);
- Factor for the development and enhancement of the ‘science to business’ relation, promotion of new knowledge and technology transfer towards Bulgarian enterprises in support of their competitiveness and sustainable development.



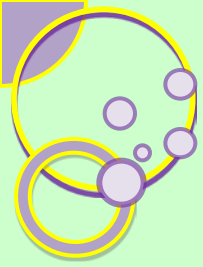
SPECIFIC OBJECTIVES

- Establishment and sustainable development of the Technology Transfer Office "ICTEE";
- Inclusion in the European and national networks for technology transfer offices;
- Encouragement of research and development activities aimed at the development of innovative products providing ICT-based energy efficiency;
- Introduction of novel technologies in enterprises with the purpose of achieving energy efficiency;
- Protection of intellectual property over innovative products of RTD organizations intended for Bulgarian private enterprises and state organizations.



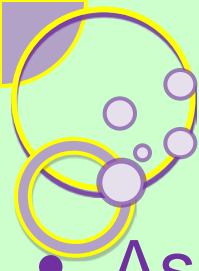
MISSION OF TTO"ICTEE"

- To further the innovation in business activities;
- To increase the number as well as the level of market success of innovative products, processes and services developed by research organizations.



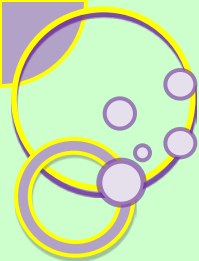
MAIN FUNCTION OF TTO"ICTEE"

- To assist with the knowledge transfer to businesses;
- To initiate and coordinate projects for innovative ICT-based products and solutions in the field of energy efficiency;
- To help increasing the competitiveness of Bulgarian companies.



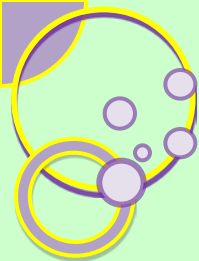
Activities implementing the main function

- Assessing the needs and possibilities for improving energy efficiency through the use of information and communication technologies (ICT) in different economic sectors such as energetics, machine-building, transportation, construction, etc;
- Providing small and medium enterprises, government institutions and research organizations with services for the evaluation of possible applications of ICT for energy efficiency;
- Participating as a full member in networks of technology transfer offices as well as in existing or emerging innovation infrastructures;



Activities implementing the main function

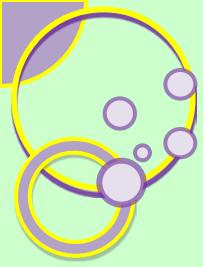
- Being a coordinator and an intermediary in the field of energy efficiency innovations through ICT;
- Disseminating and promoting industry-related results of the applied research conducted by institutes of BAS countrywide/worldwide;
- Providing consulting and expert services in the field of technology transfer, intellectual property and financial management of innovation projects by engaging representatives of trade associations, non-governmental and intermediary organizations.



Clients of the Technology Transfer Office

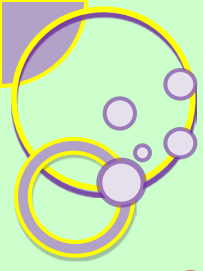
Criteria to select companies, organizations and institutions for inclusion in its action plan:

- The most important selection criterion is the candidate's compliance with the goals and tasks of the Technology Transfer Office;
- Candidates are selected based on their production and marketing strategy;
- Candidates should possess true potential and capacity to fulfill their idea for energy efficiency and be ready to cooperate with representatives of the scientific community (institutes of the Bulgarian Academy of Sciences, universities), so that new novel products and production methods are initiated;



CRITERIA FOR SELECTION

- Candidates should have the aptitude and readiness to embed new technologies and production methods;
- Candidates should be ready and willing to actively collaborate and exchange information with the team of TTO “ICTEE”;
- Candidates should exhibit entrepreneurship capacities, have original ideas and know their business inside out.



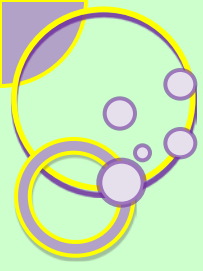
TYPES OF CLIENTS

1. Organizations

- Research organizations;
- Engineering companies;
- Factories;
- Government institutions;
- Community, non-governmental organizations.

2. Individuals

- Members of professional groups;
- Represented individually.



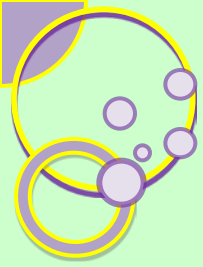
TARGET ECONOMIC SECTORS

1. Software development;
2. Research and development of computer and communication systems;
3. Engineering;
4. Energy industry;
5. Transportation;
6. Construction and real estate.



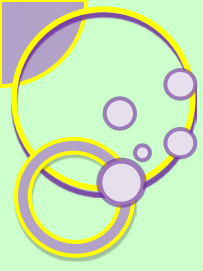
Information Services

- Development of a database of micro-, small and medium-sized enterprises related to energy efficiency;
- Constant networking with other TTOffices from the National Innovation System of Bulgaria;
- Advancement of novel technological and scientific achievements in the field of energy efficiency and implementation of ICT;
- Support for promoting companies and their products;
- Establishment of contacts with research and development organizations and enterprises;
- Assistance with the establishment of collaborations between local and foreign companies.



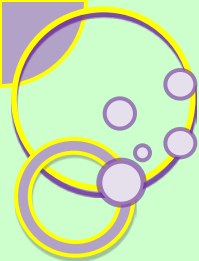
Consulting Services

- Evaluation and assistance in the protection of intellectual property and patent rights, legal support;
- Development, consultancy and coordination of new project proposals concerning the usage of ICT in the area of energy efficiency;
- Documentation development, certification and registration of new products;
- Market analysis for ICT-based energy efficiency innovation products.



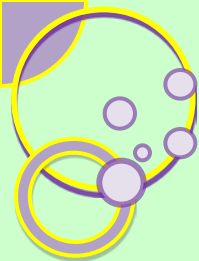
Financial Services

- Facilitation of the access to external funding and support;
- Access to financial planning;
- Promotion of developments related to energy efficiency in front of investment funds.



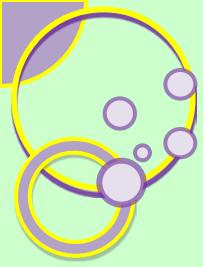
Technological Services

- Transfer of technologies, innovations and know-how, scientific solutions to specific problems related to the usage of ICT for energy efficiency;
- Technology evaluation and technology audits;
- Pilot testing of technologies for energy efficiency;
- Expertise and consulting services related to technology transfer.



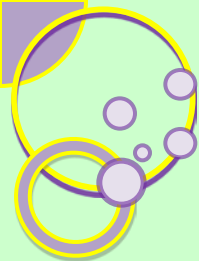
SHORT-TERM PRIORITIES

- Provision of the infrastructure needed for the normal functioning of the Office;
- Building the web presence of TTO “ICTEE” and presenting it to representatives of the target groups;
- Development and implementation of a virtual technology transfer office;
- Outlining a range of open problems in the field of energy efficiency;
- Creation of an informational database of organizations, experts, consultants and educational institutions which support or wish to support the activities of TTO “ICTEE”;



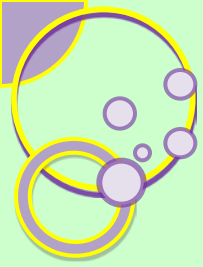
SHORT-TERM PRIORITIES

- Inclusion of TTO “ICTEE” in national and international networks for innovations, entrepreneurship and technology transfer;
- Participation in national and international exhibitions and business forums focused on entrepreneurship and energy efficiency;
- Promotion of the newest technological and scientific achievements in the areas of ICT and energy efficiency.



PRIORITIES FOR TTO “ICTEE”’S LONG-TERM DEVELOPMENT

- Improving the quality and the variety of the provided services;
- Inclusion within the regional systems of innovation;
- Participation in European programmes for advancement of innovations and energy efficiency;
- Facilitating the access to external financing and support from investment funds;
- Assistance in the protection of intellectual property;
- Launch of start-up companies (spin-offs) stemming from the established partnerships between research organizations and SME;



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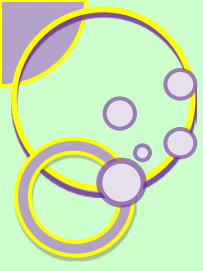


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THANK YOU FOR
YOUR ATTENTION!