



# Mechanisms and tools of technologies transfer

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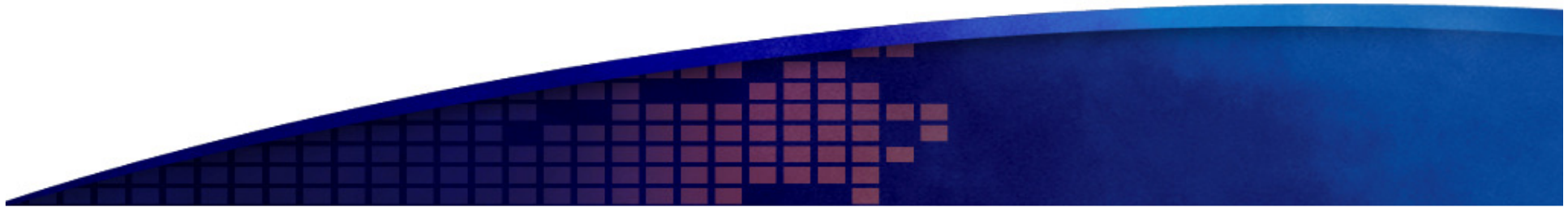
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## Problems

### **Main problems of Technology Transfer in Ukraine:**

1. Industrial enterprises of low technological mode receive substantial revenues from production export with fewer risks than innovative enterprises
2. Majority of scientists are not able to commercialize their R&Ds
3. Lack of infrastructure development
4. Lack of real incentives for businesses to invest in research
5. Intellectual property is not a capital in the economic sense of this word.





## » Legislative framework

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- Law of Ukraine «On State Regulation of Activities in the Sphere of Technology Transfer»
  - Law of Ukraine «On Innovation Activity»
  - Program of Economic Reforms 2010-2014  
«Prosperous Society, Competitive Economy, Effective State»
  - State Economic Program «Creation of Innovation Infrastructure in Ukraine for 2009-2013»
- 



## Technology Transfer

The process of transferring skills, knowledge, technologies, methods of manufacturing, samples of manufacturing and facilities among governments or universities and other institutions to ensure that scientific and technological developments are accessible to a wider range of users who can then further develop and exploit the technology into new products, processes, applications, materials or services.



## Infrastructure

# State Agency for science, innovations and informatization of Ukraine

1. **Ukrainian institute of Scientific, Technical and Economic Information ([www.uinte.kiev.ua](http://www.uinte.kiev.ua))**
  - Automated database of integrated international information resources
2. **State Enterprise “Ukrtechinform”([www.untt.com.ua](http://www.untt.com.ua))**
  - Ukrainian integrated system of technology transfer



## Further developments

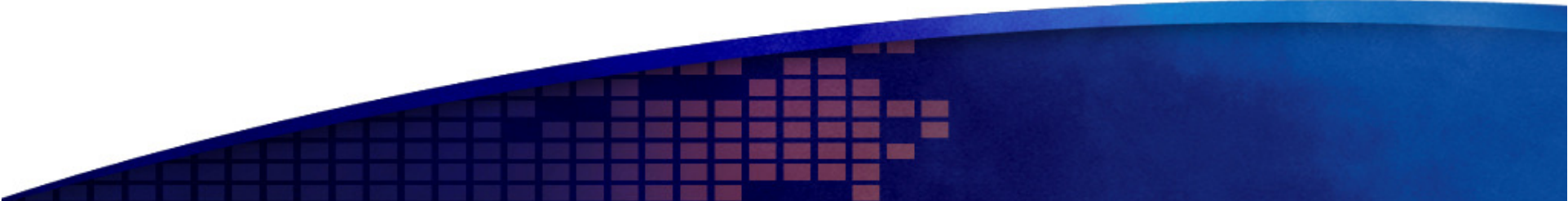
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1. Systematic evaluation and research of scientific, technological and innovation development
  2. Implementation of State Economic Program «Creation of Innovation Infrastructure in Ukraine for 2009-2013»
  3. Formation of communication channels to promote innovation from the developer to the consumer
- 



## Further developments

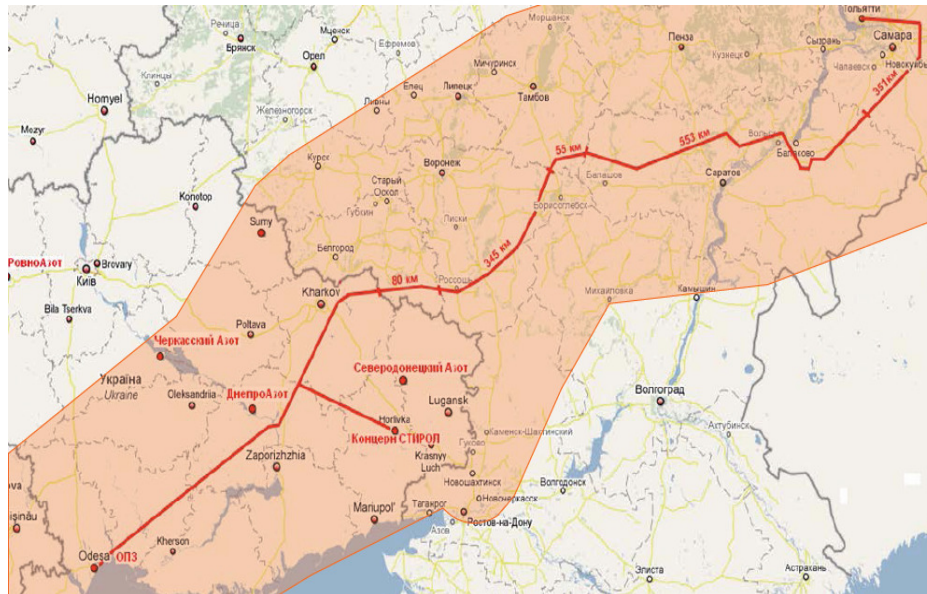
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4. Development of innovation culture
  5. Government support of new technologies implementation in the form of direct and indirect funding
  6. Development of venture financing institutions
  7. Improvement of intellectual property protection, including the financing of foreign patenting
- 



# Project: B\*ZONE Agrochem

Creation of the innovative agro-industrial cluster to provide anhydrous ammonia delivery and high-tech implementation of these fertilizers using liquid ammonia pipeline “Togliatti-Odessa” with the length of about 2195 km. and the capacity of approximately 2.5 million tons.





## Project: Protected cultivation

Protected cultivation and harvesting of fruit and vegetables.

European technology to protect plants by anti-hail nets, which in addition to its direct effect, can also reduce sharp fluctuations in temperature and wind, and create microclimate in the area of cultivation.





## Project: Ready-made food

System of social catering using innovative technologies for ready meals on “factory-kitchen” principles.

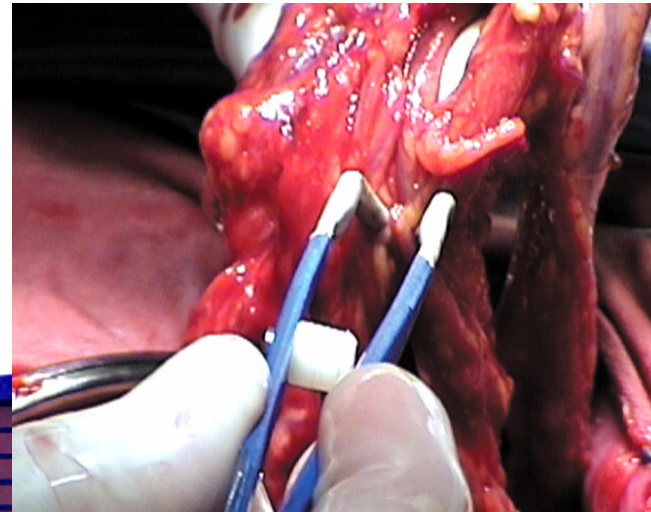
With full automation of cooking processes and technologies, the project ensures compliance with sanitary and hygienic safety that is extremely important for public facilities - child care centers, schools, hospitals, catering establishments etc.



## ➤ Successful projects

High-frequency melting of soft tissues  
(Technological Park "E.O. Paton Electric Welding Institute")

- Over 130 000 successfully operated patients
- "Breakthrough to the surgery of XXI century"
- Patented in Ukraine, USA, Germany, Australia
- State Prize of Ukraine





## ➤ Successful projects

Full production cycle of energy-saving compact fluorescent lamps

(Technology Park «Semiconductor Technologies and Materials, Optoelectronics and Sensor Engineering»)





**Thank You !**

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