



Development of Innovation Infrastructure of Lomonosov Moscow State University

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The Moscow State University innovation structure

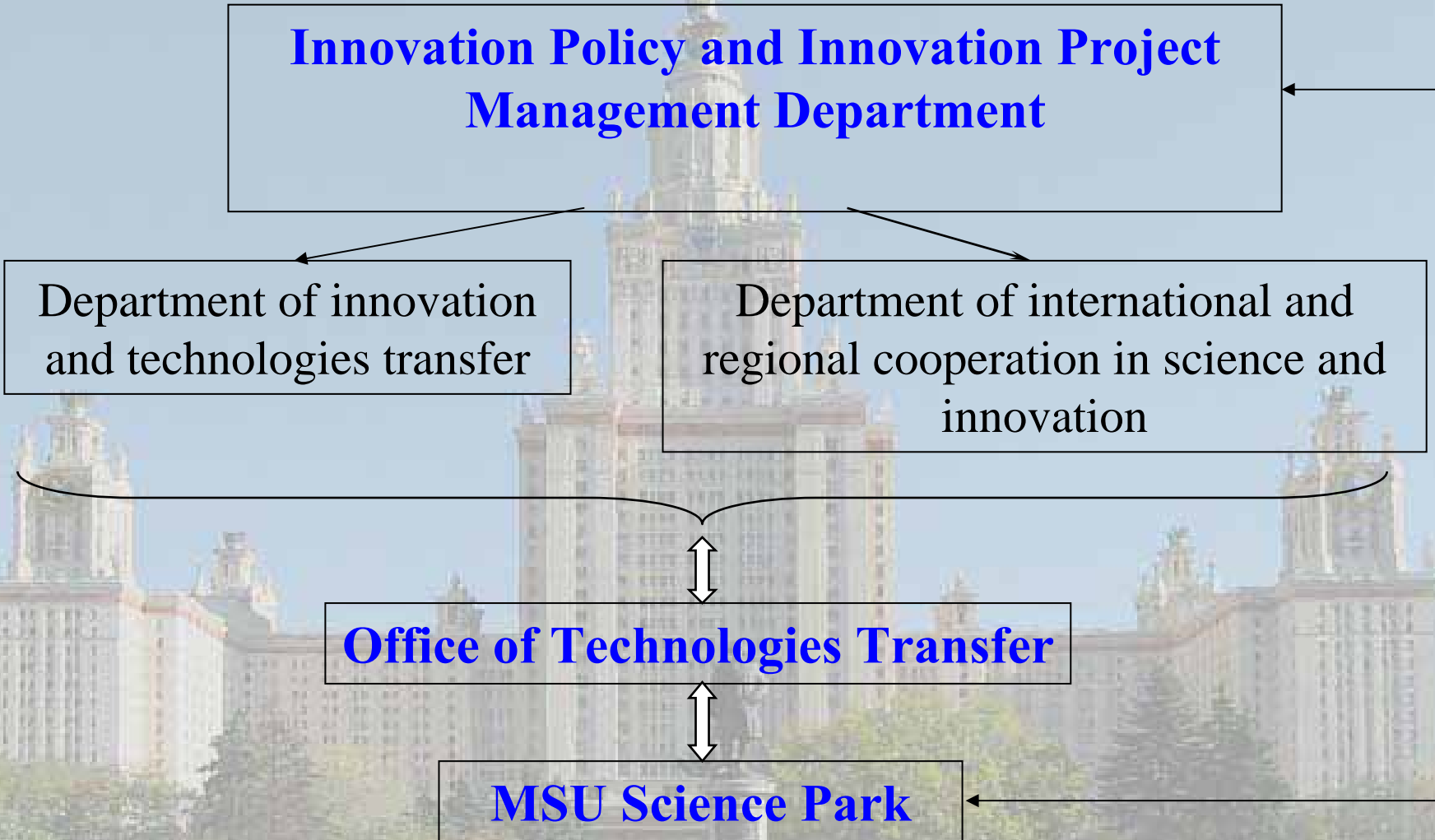
**Innovation Policy and Innovation Project
Management Department**

Department of innovation
and technologies transfer

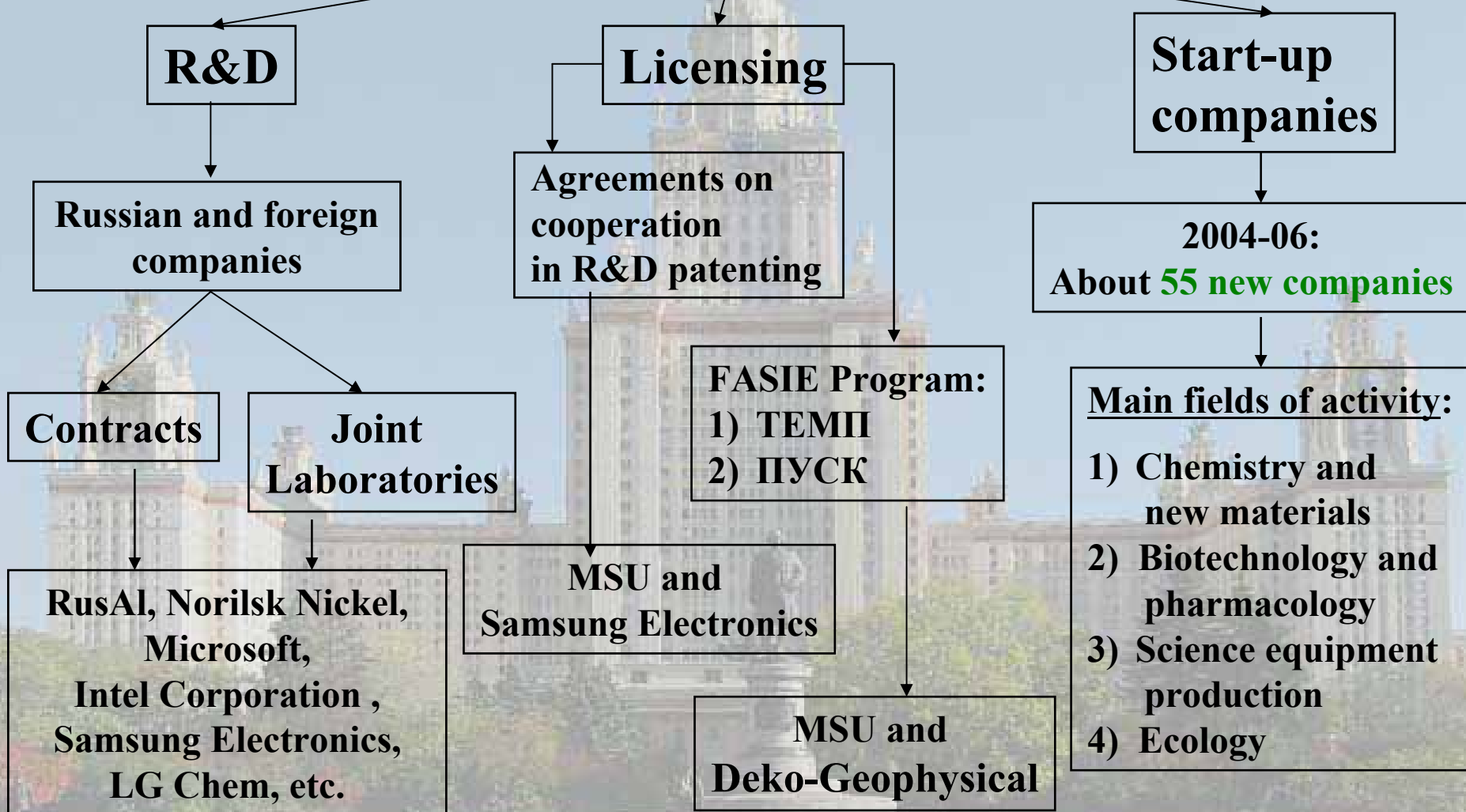
Department of international and
regional cooperation in science and
innovation

Office of Technologies Transfer

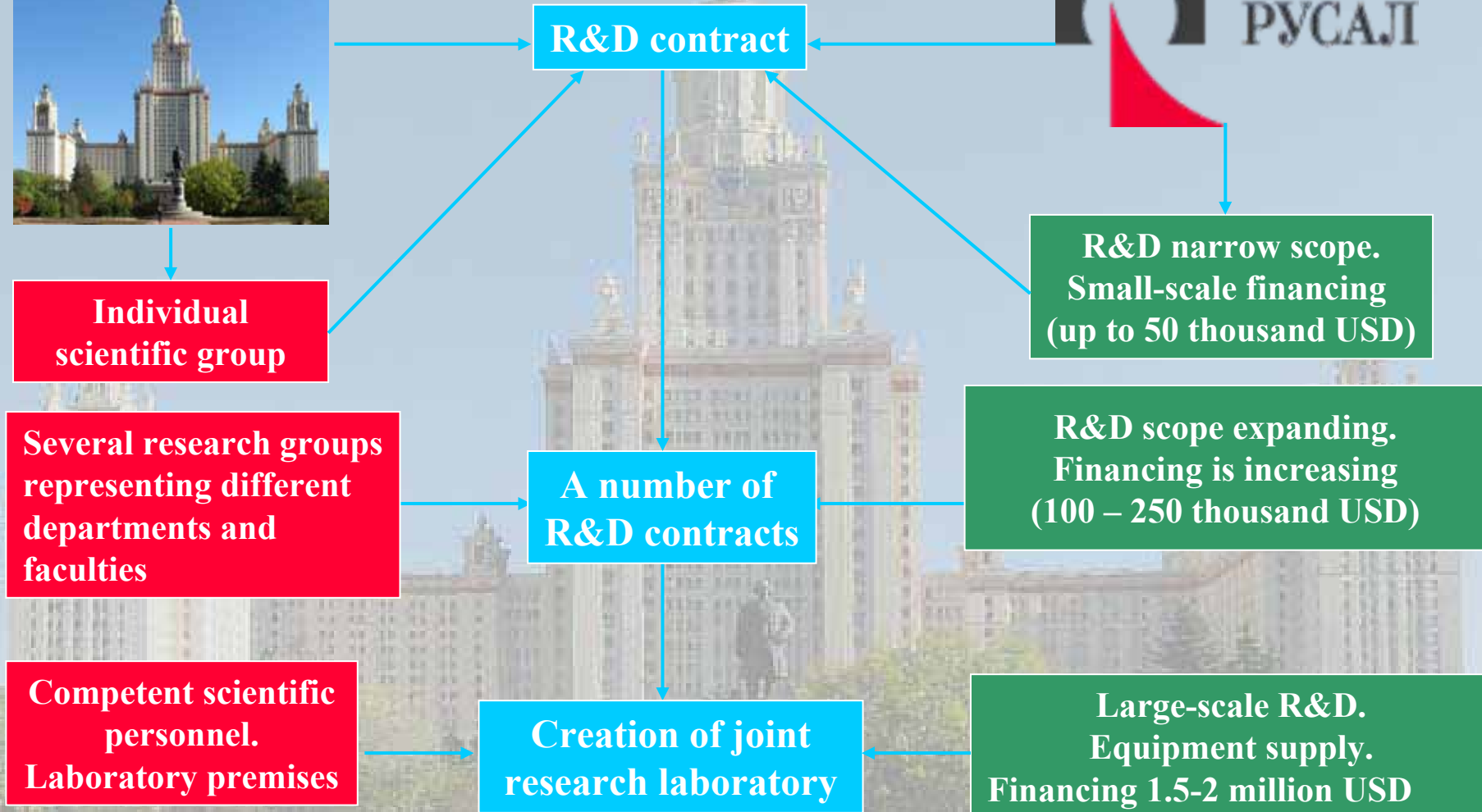
MSU Science Park



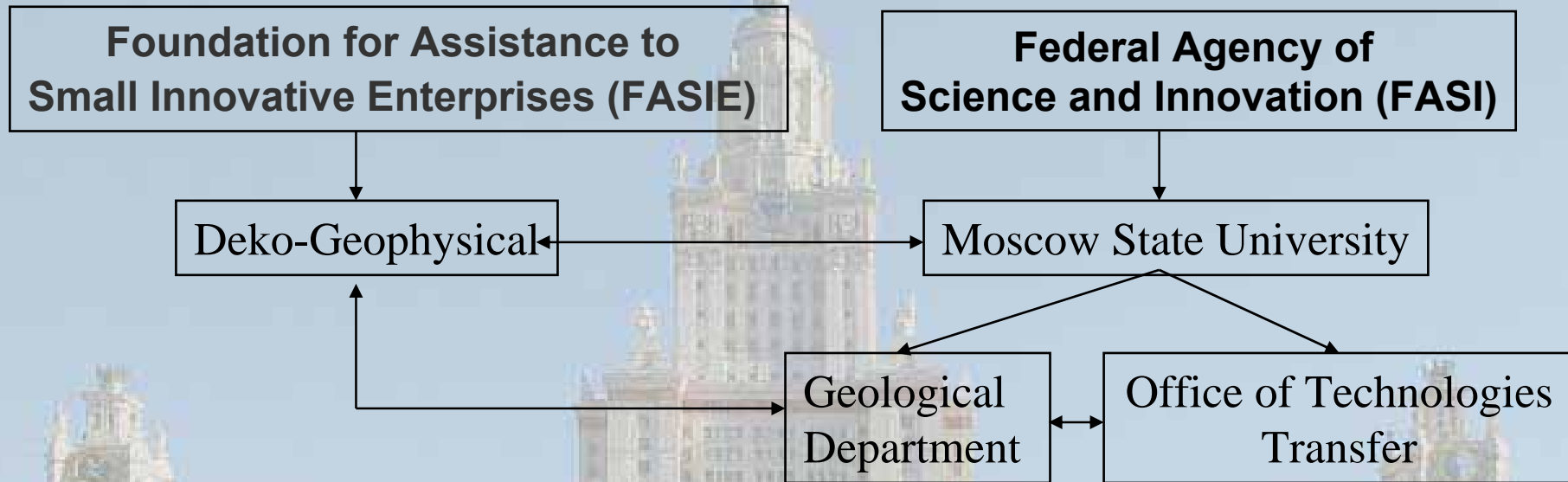
Possible ways of university's technologies commercialization



Cooperation of MSU and Industrial Corporations (example)



Licensing: possibilities and problems



1. Development of MSU rules and standard acts in the fields of innovation activities and IP management
2. Development of MSU patent and licence policy.
3. Technological audit (IP inventory)

Geophysical Services for Oil & Gas Exploration

Areas of projects

• RUSSIA

- Western Siberia
- Timano-Pechora region
- Saratov region
- Orenburg region
- Mariy-El
- Barents Sea
- Caspian Sea
- Black Sea

• BRAZIL (Atlantic Ocean)

- Brazilian shelf

• INDIA and ANDAMAN ISLANDS

- Indian shelves
- Andaman Islands shelf

• UKRAINE

- Dnieper-Donets Basin

• KAZAKHSTAN

- Caspian Basin

• AUSTRALIA

Clients

• SIBNEFT

• LUKOIL

• YUKOS

• Halliburton International Inc.

• Large

• Ministry of Petroleum & Natural Gas, India (Directorate General Hydrocarbons)

• ONGC (India)

• JV Poltava Petroleum

Company Ural Oil & Gaz LLP

• Voskresenskneft

• PetroAlliance Service

Company Services Limited

• Ural Oil & Gas (Kazakhstan)

Small Innovative Enterprises (start-up companies)

CTAPT – FASIE Program www.fasie.ru

2004-2006: about 55 start-up companies

- **LUMTEK LLC** - bioluminescent test-systems for rapid bacterial control of food, water, air, surfaces, oil products and other objects
- **MedEcoTest Ltd.** - test-systems and special tools for quality control of drinking water, food, forages, ecological and technological industry control, medical diagnostics, quality control of pharmaceuticals
- **Horizon Fuel Cells LLC** – low temperature alkaline fuel cells with platinum-free electrodes
- **Visionica Ltd.** - a novel ophthalmic instrument, an aberrometer with a visual acuity testing option.



LUMTEK LLC - BIOLUMINESCENT TEST-SYSTEMS FOR RAPID BIOCONTAMINATION CONTROL



Test-systems for rapid biocontamination control of:

selling

- ***raw milk (GOST)***
- ***meat (carcasses and minced)***
- ***air***
- ***surfaces of technology equipment and
medical premises***

on the stage of development

- ***blood and transplantants***
- ***wounds***
- ***oil products (fuel, lubricants)***
- ***fish***
- ***drinking and recycling water)***
- ***polymer materials***



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COMPANIES PRESENT IN SP MSU:

- **Number of firms - 40**
- **Employees over 2500**
- **Total turnover of all companies - \$ 130 000 000**
- **Output per employee - \$ 52 000**

AREA OF ACTIVITY:

- **IT and software production (60%)**
- **Telecommunication**
- **Biotechnology**
- **Ecology**
- **Electronics**
- **New materials**

AGE OF COMPANIES:

- **40% - up to 3 years**
- **60% - over 3 years**

80% - of companies personnel MSU affiliated (researchers, instructors, tutors, undergraduates, graduates, postgraduates)

35 years - personnel average age

30% of CEOs and companies owners have science degree



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- **AMT-TELENET** –
IT @ telecom services



- **Complect Ecology** – new technology of water purification

- **Deko-Geophysical** – Oil service company



- **Unichimtek** – new materials production



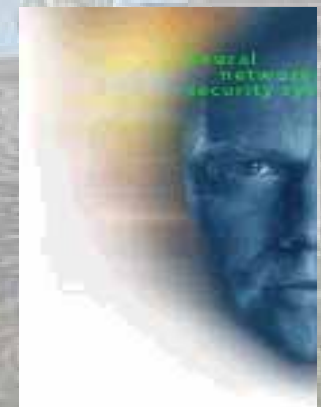
Intelligent Security Systems



The history of Intelligent Security Systems starts from 1996.

The objective of the enterprise was development, production, and installation of digital video monitoring systems and computerized security systems. The policy of the company was focused on establishment of mutually beneficial partner relations with leaders of Russian security equipment market in promotion of new security technologies in Russia and abroad.

INSTALLATIONS:



- Kremlin
- Residence of President of Brazil
- Biggest HPS in Brazil
- More than 30000 yards in Moscow city

Further MSU innovation development

Technology cluster creation in Moscow University

- ✓ Information technologies
- ✓ New chemical materials and technologies
- ✓ Natural resources
- ✓ Modern biotechnologies and medicine

Technology cluster development institutions

- ✓ MSU Institute of New Carbonic Materials and Technologies
(applied science and research institute)
- ✓ MSU Center of Natural Resources
- ✓ MSU Medical Center