



# Riga Science and Technology Park

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Riga Innovation Incubator

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# Background

- Today Latvia is facing a dramatic economic changes
- Developing and commercialising its knowledge base will be fundamental to dealing with those changes
- Now is the time to invest in the infrastructure and skills needed to exploit the knowledge and technologies to compete on a European level and globally
- Latvia's economy needs to change rapidly NOW!





# Problems

- Very Low levels of commercialisation across Latvia
- Private sector can not afford the R&D investment to compete globally therefore market failure exists
- Lack of expertise, affordable infrastructure and appropriate investment instruments
- Lack of trust between private sector and state institutions / scientists and investors
- Need to boost “knowledge base”



# Vision

- RSTP will become a very important player to Latvia's national economic success because it will join together the research base, industry and education (knowledge triangle)
- RSTP will help to develop the new thinking and new relationships to be a success in the modern economy
- RSTP will adopt the best practice management model that has worked around the EU very successfully



# Vision

- RSTP will help to manage risks by forming new partnerships and international collaborations that will bring added value (whole is greater than sum of parts)
- RSTP will adopt a robust financial approach backed by the EU funds



# Objectives

RSTP is to become a place where scientists and businessmen will meet, scientific research and development of innovative ideas will be supported with the main goal to foster their commercialization





## Main tasks

- To develop scientific, study and experimental production infrastructure in the field of material sciences, pharmacy, biotechnology and alternative energy;
- To foster cooperation among universities, research institutions, municipality and private sector in order to support innovations;
- To support development of new products and technologies;
- To support development of high-tech companies and university spin-offs;
- To support commercialization process





# Stakeholders

- University of Latvia
  - Since 1919
  - Largest university in Latvia with 14 Faculties, 2 regional departments, 21 institutes (agencies, scientific institutes, etc.)
  - 23'278 students, 152 study programs (January 2008)
  - 1735 academic personnel
  - 5 patents since 2002

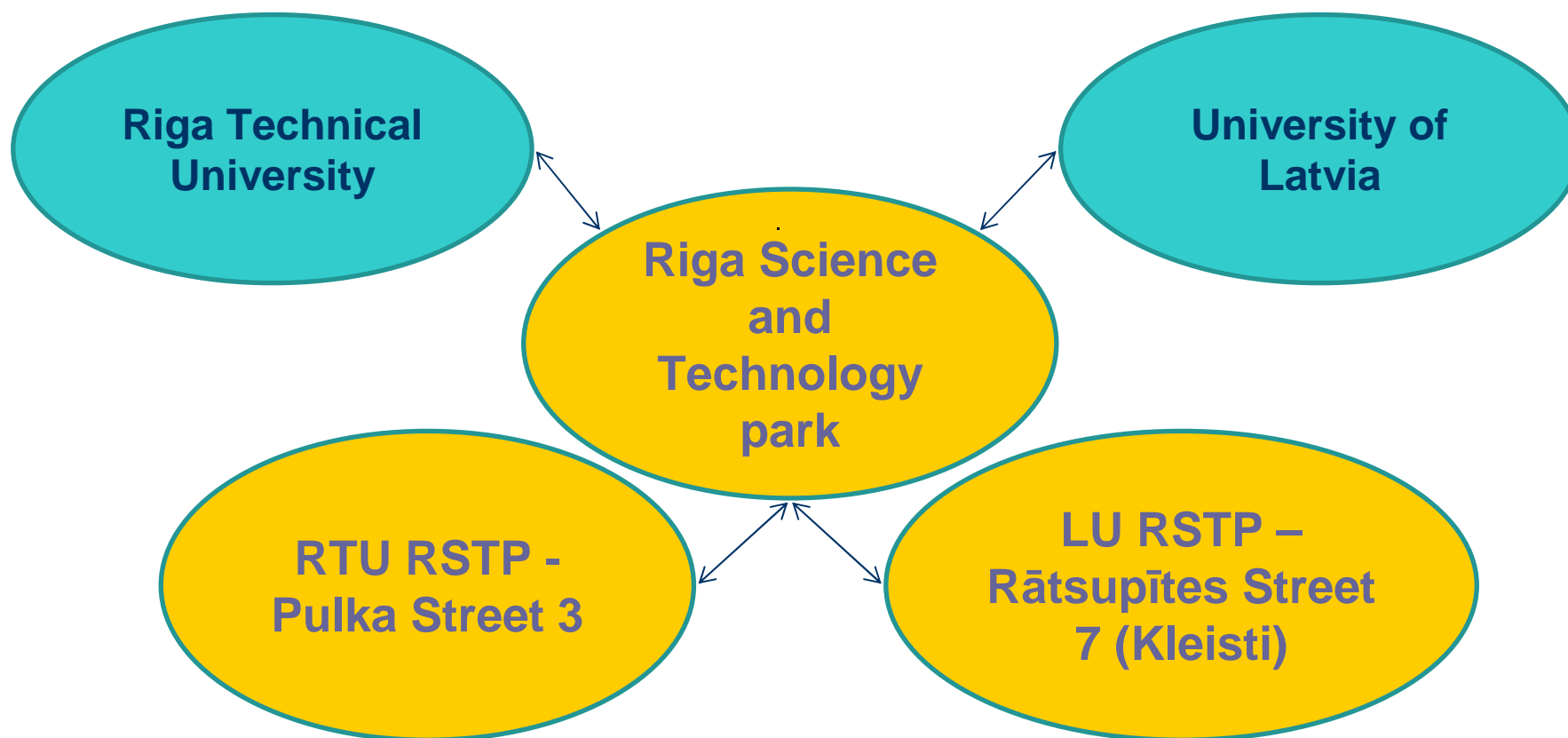
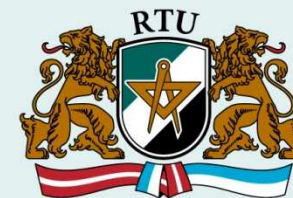


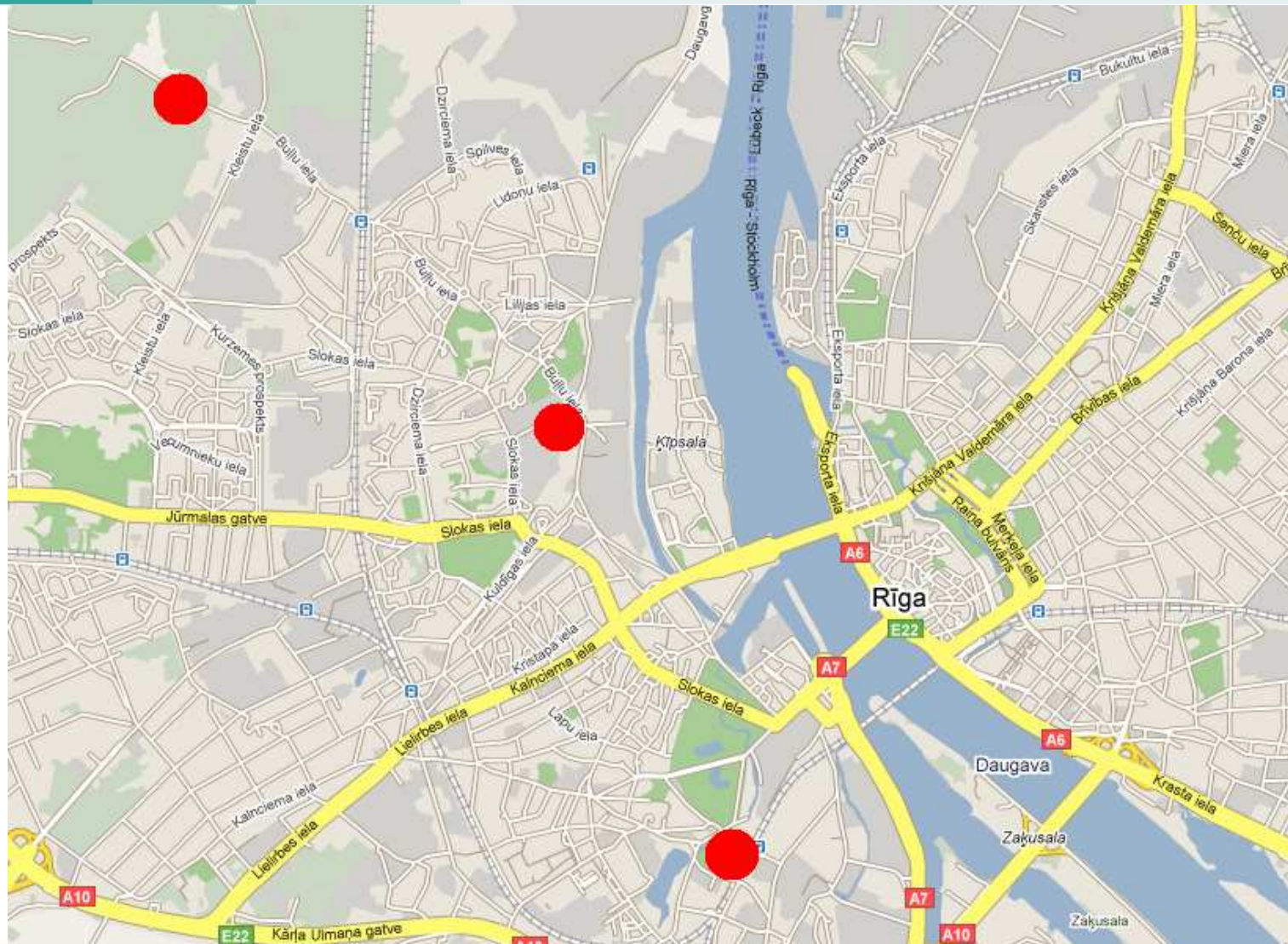
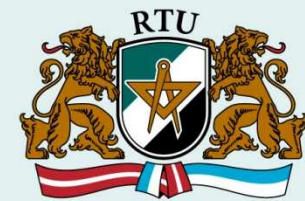


# Stakeholders

- Riga Technical University
  - The only technical university in Latvia
  - 8 faculties, 3 regional branches, many institutes and study centers
  - More than 17'000 students
  - 1484 academic and scientific personnel
  - 38 new patents and 64 supported patents in 2008









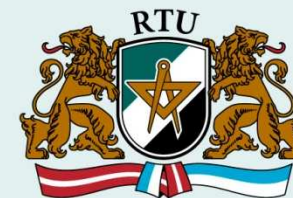
# Starting sectors

- Pharmacy and biotechnologies
- Material sciences and nanotechnologies
- Alternative and renewable energy

Subject under discussion:

- ICT and telecommunications





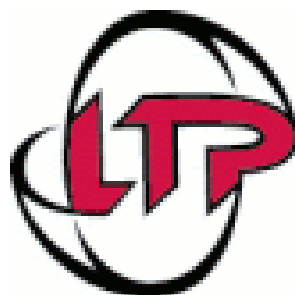
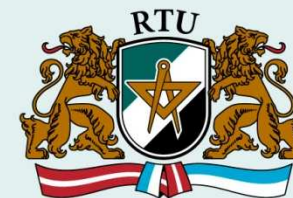
**Biopharmacy  
center**

**Biotehnology  
centre**

**Ratsupites Street 7  
(14,1 ha)**

**Latvian  
Radioisotopes  
center**

**Fermentation  
centre**



Laboratory of technologies of final dosage forms

Alternative energy centre

Pulka Street 3  
(3,8 ha)

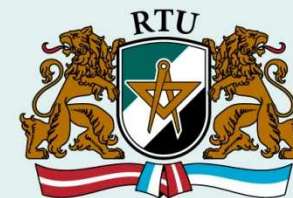
Riga Biomaterials innovation and development centre

Nanotechnology centre

Composite materials technology laboratory

Instrumental analysis laboratory

Biochemistry laboratory



## Planned construction (phase I)

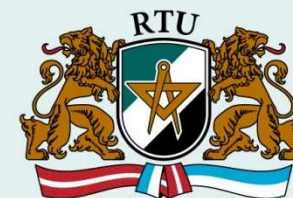
<b>m2</b>	<b>Kleisti</b>	<b>Pulka</b>	<b>Total</b>
<b>Total area</b>	5957	9276	15233
<b>Leasable area</b>	5957	8470	14427
<b>Lease area %</b>	100%	91%	95%

<b>New built or renovated area</b>	5957	6390*	12347
<b>% from total</b>	25%	75%	100%



# Investments

- Preperation costs
  - Business plan
  - Project and design
- Implementation
  - Detailed design, construction, infrastructure, etc.
- Other investments
  - Equipment
  - Moving of the laboratories from other locations

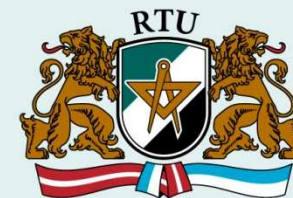


## Investments - summary

	Supported	Non-supported	Additional equipment	Total
<b>Pulka</b>	11'024'377	687'342	0	11'711'719
<b>Kleisti</b>	11'024'377	352'391	3'275'512	14'652'279
<b>VAT</b>	4'630'238	126'378	687'857	5'444'474
	<b>26'678'991</b>	<b>1'166'111</b>	<b>3'963'369</b>	<b>31'808'472</b>

Activity RSTP	Equipment	Total
<b>27'845'102</b>	<b>3'963'369</b>	<b>31'808'472</b>





## Expected results

- Deliverables:
  - RSTP premises (~ 12'500 m<sup>2</sup>)
  - RSTP and partners' equipment (> 10 mil. LVL)
- Result:
  - More than 10 specific centres / laboratories providing practical education, fundamental and applicable researches, services and new products
  - Support for starting and development of entrepreneurship



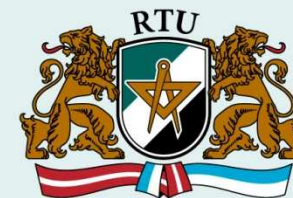
# Summary

- RSTP is to become a major national investment in Latvia's future and its scale and critical mass is now urgent to make it a success
- New sustainable partnerships established in RSTP can be tested and replicated across the country and all sectors cost effectively
- Further development with already interested RSTP management companies (e.g. New Park)



# Open questions

- Stakeholders?
- Management model?
- Financing model?
- Are Science Parks self sustainable?
- Best practices from other BSR cities



**Thank you!**

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