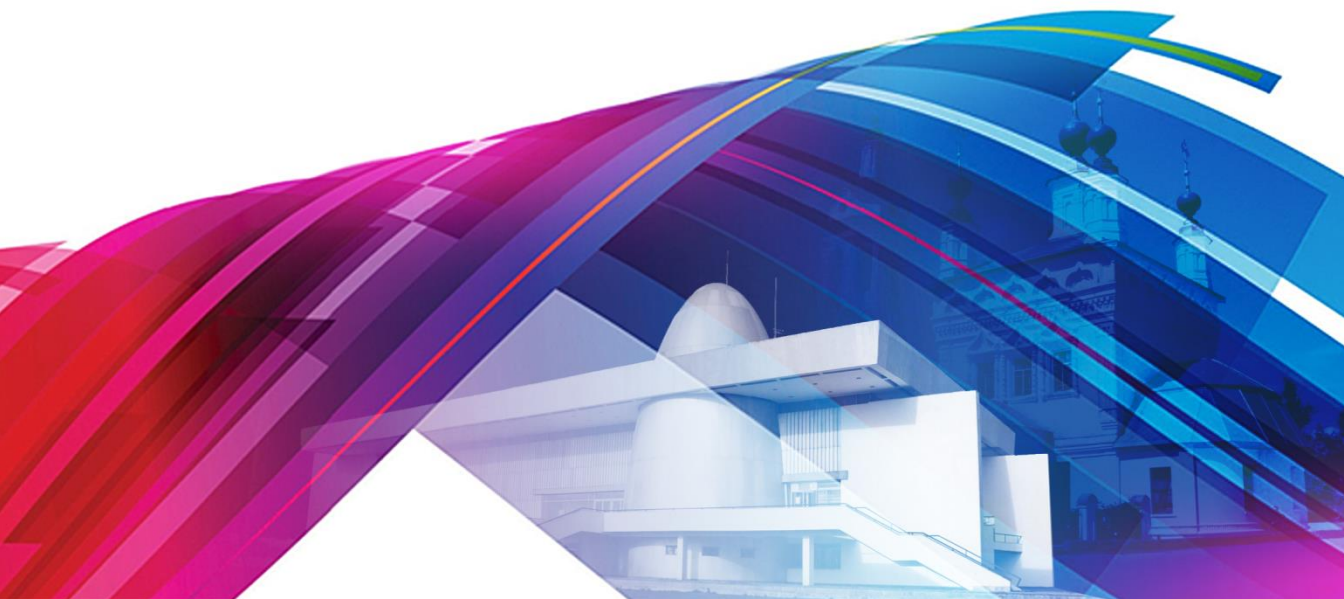




PCK

Nonprofit
partnership



Pharmaceuticals Cluster of Kaluga region: development results and prospects



PHARMACEUTICS CLUSTER OF KALUGA REGION: THE FIGURES AND FACTS



56

PARTICIPANTS

139

MEDICAL PRODUCTS NAMES

51,7

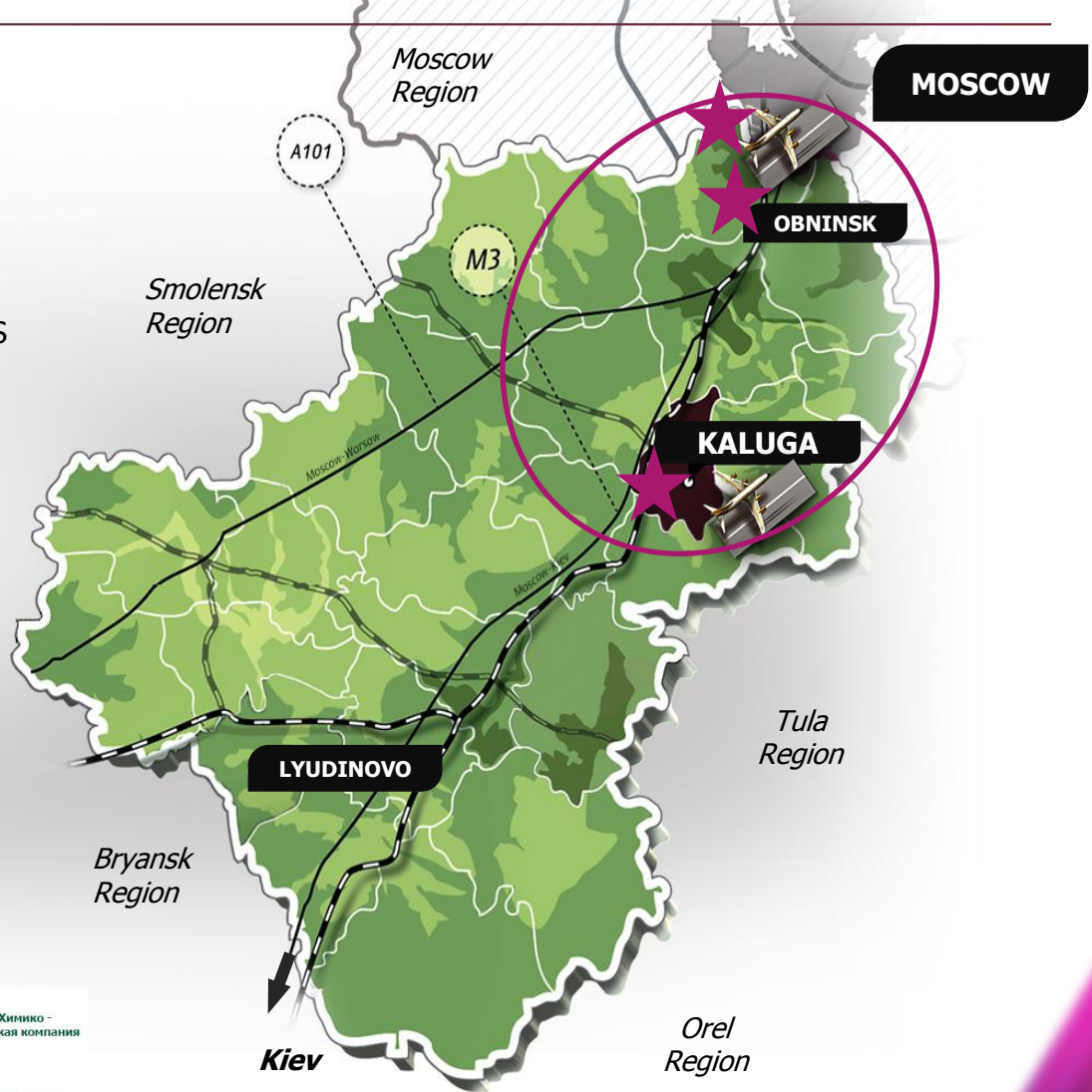
BN RUB

VOLUME OF INVESTMENTS

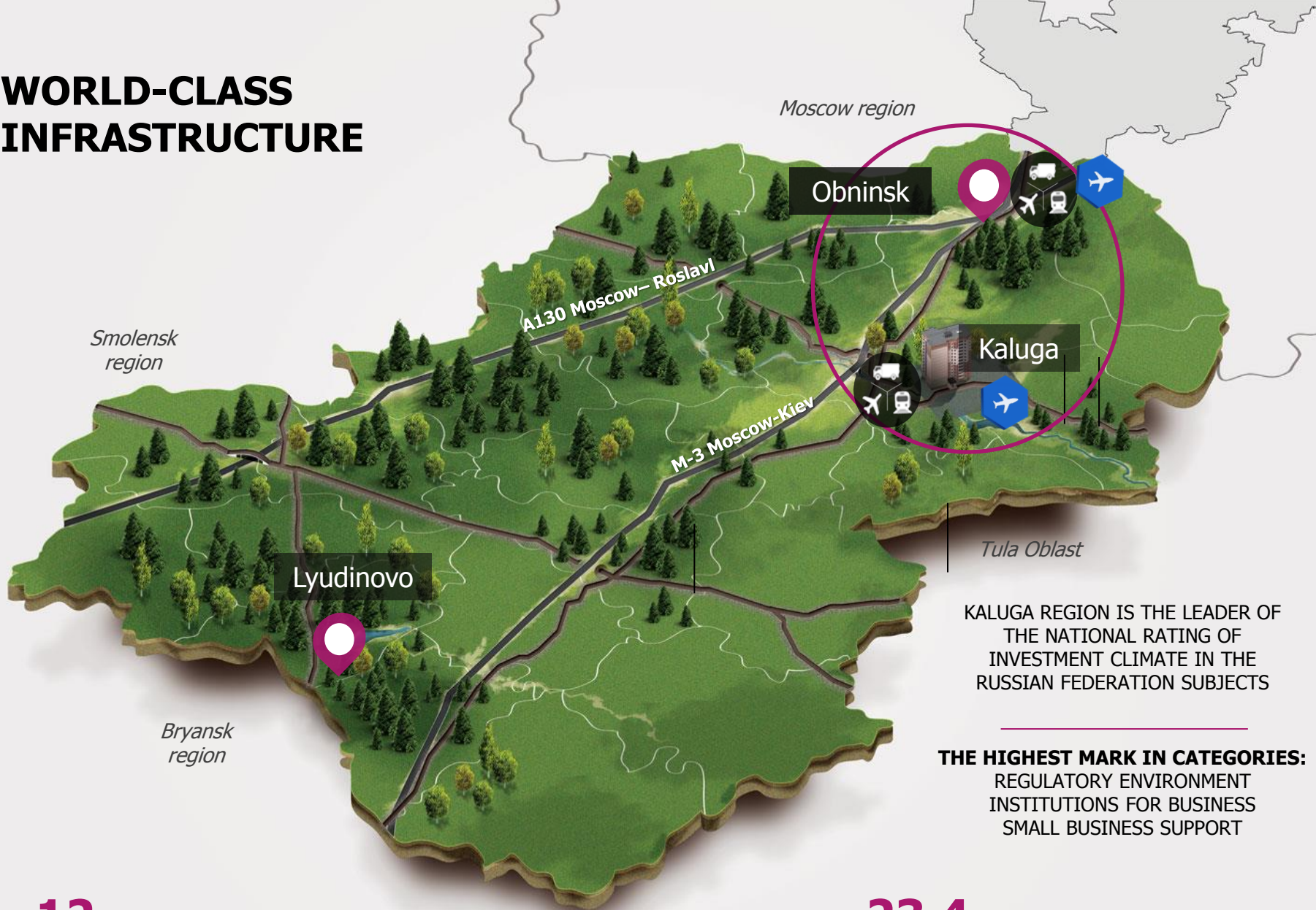
19,7

BN RUB

REVENUE FROM THE PRODUCTION CLUSTER MEMBERS IN 2015



WORLD-CLASS INFRASTRUCTURE



KALUGA REGION IS THE LEADER OF THE NATIONAL RATING OF INVESTMENT CLIMATE IN THE RUSSIAN FEDERATION SUBJECTS

THE HIGHEST MARK IN CATEGORIES:
REGULATORY ENVIRONMENT
INSTITUTIONS FOR BUSINESS
SMALL BUSINESS SUPPORT

12
INDUSTRIAL PARK
WITH AN AREA OF
7555,9 ha

1042 ha
AN AREA OF SEA
«KALUGA»

2
«FREIGHT VILLAGE»

23,4
BN RUB
INVESTED IN
INFRASTRUCTURE

INTERNATIONAL
AIROPORT

DYNAMIC OF CLUSTER DEVELOPMENT IN 2012-2016

3 000

jobs created including
1200 highly productive
и **1800** jobs in scientific, educational
and service infrastructure

1,5 TIMES

increased investment growth in R&D
by 2016

3 TIMES

increased growth in the number of
newly registered small innovative
companies

4,6 TIMES

Investment growth in R&D by 2016

1,5 TIMES

Production growth substances on the
internal market

2,5 TIMES

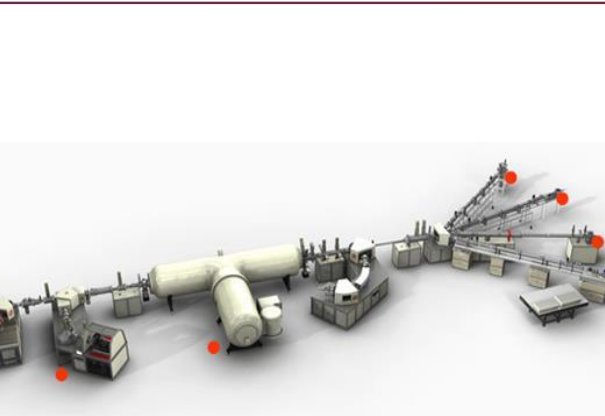
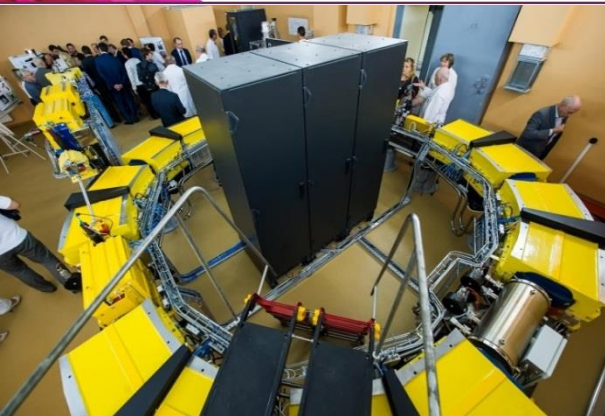
Production growth FPP (Finished
pharmaceutical products)
on domestic market

4,7 TIMES

The growth in production volumes



WHAT WILL PCK ALLOW TO REACH WORLD LEVEL BY 2020



I

Expansion of the cluster production capacity

II

The establishment of R&D divisions of leading pharmaceutical companies and scientific-technological Park on the basis of A. Tsyb MRRC (A. Tsyb Medical Radiological Research Centre) at the production sites of pharmaceutical companies

III

Using breakthrough technologies of nuclear medicine

IV

The development of universities and human capital, the creation of unique competencies in the area of life science

V

The creation of a complete value-added chain

VI

Development of unique competencies in the area of life science

UNIQUE DEVELOPMENTS AND COMPETENCES

RADIOPHARMACEUTICS:

development of diagnostic and medicinal radiopharmaceuticals; the unique production of technecium generators (Tc) by the rules GMP (Karpov Institute of Physical Chemistry, NIFKhI (Obninsk))

NUCLEAR MEDICINE:

the presence of best-in-class particle accelerator TANDETRON (Obninsk) on the basis of I.I. Leypunsky Institute of Physics and Power Engineering «IPPE» and unique medical proton synchrotron complex in A. Tsyb MRRC.

PHARMACEUTICAL:

development and production of original FPP-based on targeted treatment methods with the use of cellular and genetic approaches.

COMPETENCE:

the project "Park of active molecules" (Obninsk)

MANUFACTURING MEDICAL ITEMS:

reagents for genetic identification; medical items for bone tissue regeneration, platform diagnostics of Mycobacterium tuberculosis.

CRITERIAS OF PROJECT'S SUCCESS

**1,3
BN RUB**

the amount of works and projects in the field of scientific research and development

**10
BN RUB**

the volume of investments from extra-budgetary sources

**50
BN RUB**

the volume of supplied products of own production (works and services)

1,5 TIMES

increasing total revenue from sales of non-commodity products for export

by 20%

The growth of output per worker

2 TIMES

increasing the number of patented results of intellectual activity, including abroad

**3000
UNITS**

growing number of highly productive workplaces

**30
STARTUPS**

increasing the number of technology startups that received investments