



Kaluga Region Cluster Nuclear Technology

Executive Director Association "KCNT"
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GENERAL INFORMATION ABOUT THE REGION

Total area:

29 800 km²

Economically-active population:

553 000 people

Population:

1 009 900 people

Major cities:

Kaluga (population 343 000)

Obninsk (population 106 000)



BEST PLACEMENT OPTIONS

70
Residents

Total industrial parks' area: 5 562 ha

Still available: 1 722 ha

- 1 Vorsino
- 2 Obninsk
- 3 Detchino
- 4 Rosva B-park
- 5 Kaluga-Yug
- 6 Grabtsevo A-park
- 7 Lemminkainen, private IP
- 8 Maklaki
- 9 Sosensky – (NEW)
- 10 Lyudinovo

Lyudinovo is a special economic zone

Smolensk Region

Moscow Region

MOSCOW

OBNINSK

KALUGA

SOSENSKY

SUKHINICHY

LYUDINOVO

Tula Region

Bryansk Region

KIEV

Orel Region

A 101

A101 «Moscow-Warsaw»

M3 «Moscow-Kiev»

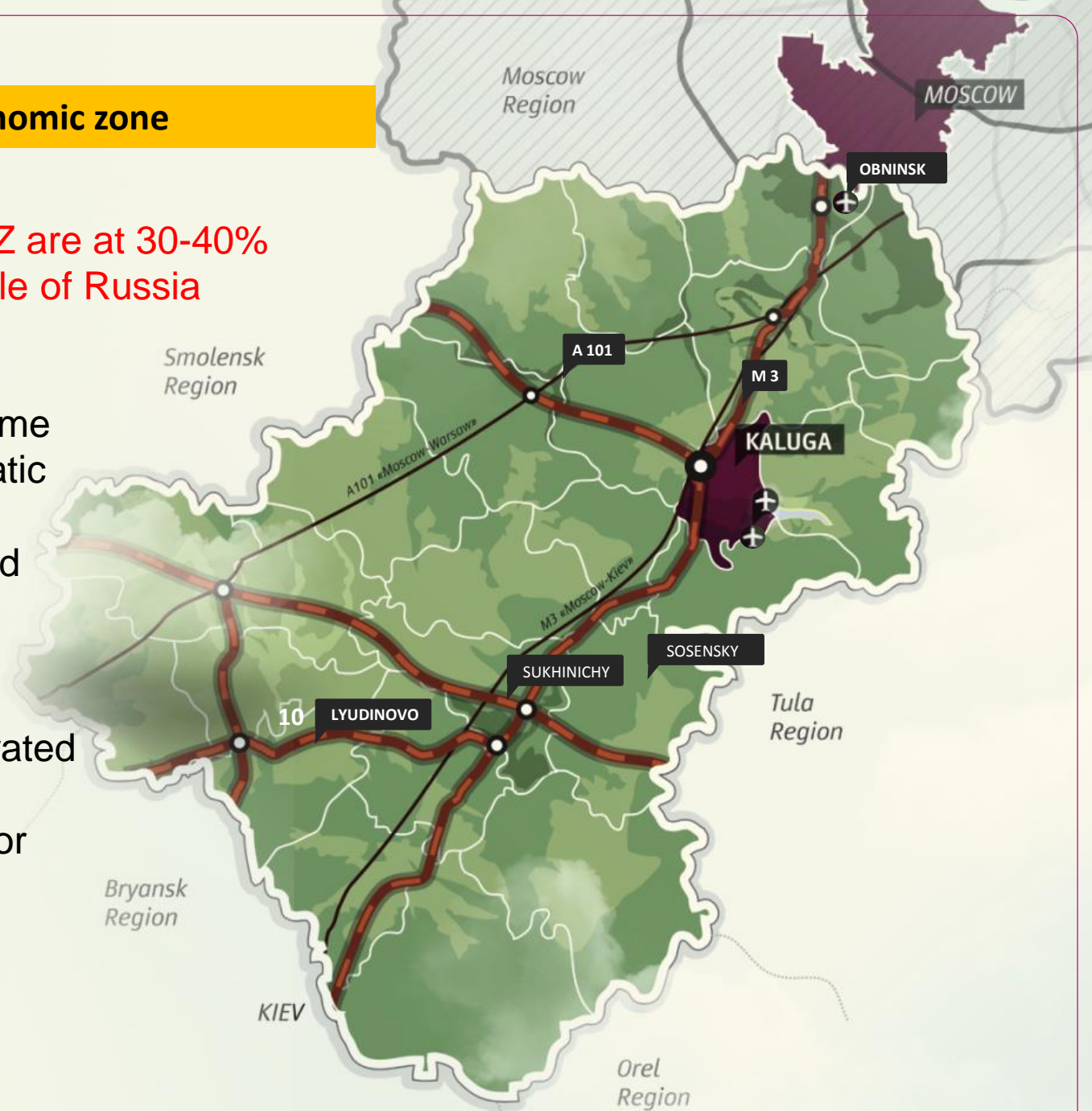
- Industrial Parks
- BrownFields
- Build to Suit

The special economic zone

Investors costs in the SEZ are at 30-40% lower than in the whole of Russia

- special administrative regime (minimization of bureaucratic barriers)
- land purchase at a reduced price
- special tax regime
- special customs regime
- possibility of using accelerated amortization
- legal guarantees of investor rights

Area - 1200 ha





SCIENTIFIC AND INNOVATION POTENTIAL OF THE KALUGA REGION

By the scale of R & D Kaluga region takes **the 3rd place** after Moscow and Moscow region in the Central Federal District

By the share of industrial production manufactured by innovation companies Kaluga region takes **the 6th place** in the Russian Federation

The Kaluga region is among the TOP 20 regions that have achieved the best results in the field of science and innovation sector

Suppliers

14

Scientific research institutes

205

€, mln

Costs of R&D

27

Higher education institutions



МРНЦ РАМН

Учреждение Российской академии
медицинских наук
Медицинский радиологический научный центр
РАМН



РОСАТОМ



РОСКОСМОС



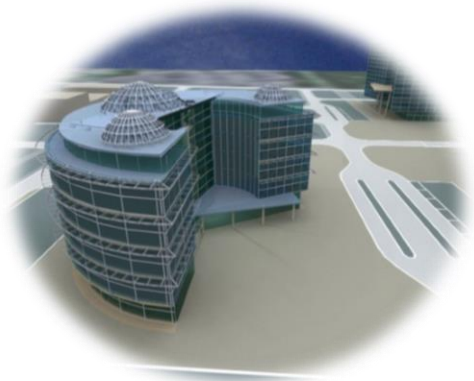
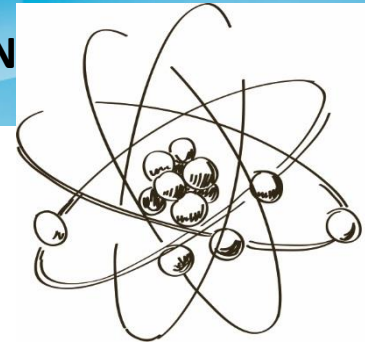
РОСНАНО

Российская корпорация нанотехнологий



10 000 scientists and researchers scientists are involved in R&D in the following areas:

- ✓ Nuclear technology and radiomedicine
- ✓ IT
- ✓ Biotechnology and Pharmaceuticals
- ✓ Membrane technology, materials for micro and nanoelectronics
- ✓ Energy-saving technologies
- ✓ New materials



Developed Innovation infrastructure
5 business incubators
2 Innovative - technological centres
Regional Network of Technology Transfer
Science and technology centre



VISION AND STRATEGY: CLUSTER POLICY



AUTOMOTIVE CLUSTER



LOGISTICS AND TRANSPORTATION CLUSTER



PHARMACEUTICAL CLUSTER



Kaluga region clusters (2017)

Kaluga Region Cluster "Nuclear Technology"

Kaluga Region Cluster "Avia- and cosmos-composite materials"

Kaluga Region Cluster "Pharmaceuticals, Biotechnologies and Biomedicine"

Automotive cluster



Kaluga Region Cluster "IT-technology"



Kaluga Region Cluster “Nuclear Technology”

Milestones:

July 2016 : International Forum «Cities and Nuclear technology». MOU about foundation Kaluga Region Cluster “Nuclear Technology”

March 2017 : Kaluga Region Cluster “Nuclear Technology” was established. Legal form of organization: Non-Profit

April 2017 : Strategic meeting: Rosatom, research organizations, universities, technology centers, SME. Result: Road map projects for Kaluga Region Clusters.

June 2017 (St. Petersburg Economic Forum) : President Putin gave the order: Rosatom must ensure the creation of special units and venture funds that invest in small innovative companies





AUTOMOTIVE CLUSTER PRODUCTION FACILITIES

OEMs



**VOLKSWAGEN
Group Rus**

Capacity –
up to **180,000** vehicles per year
2 brands: Volkswagen and ŠKODA



PCMA Rus

Capacity –
up to **125,000** vehicles per year
3 brands: Peugeot, Citroen
and Mitsubishi



Volvo Trucks

Capacity –
15,000 vehicles per year
2 brands: Volvo and Renault

Suppliers

22

companies

48%

Localization
of **Volkswagen**
Polo sedan

35%

Total percentage
of localization at
PCMA Rus

faurecia



MAGNA



bosal



LEAR CORPORATION

Severstal



BENTELER

Automotive

MAHLE

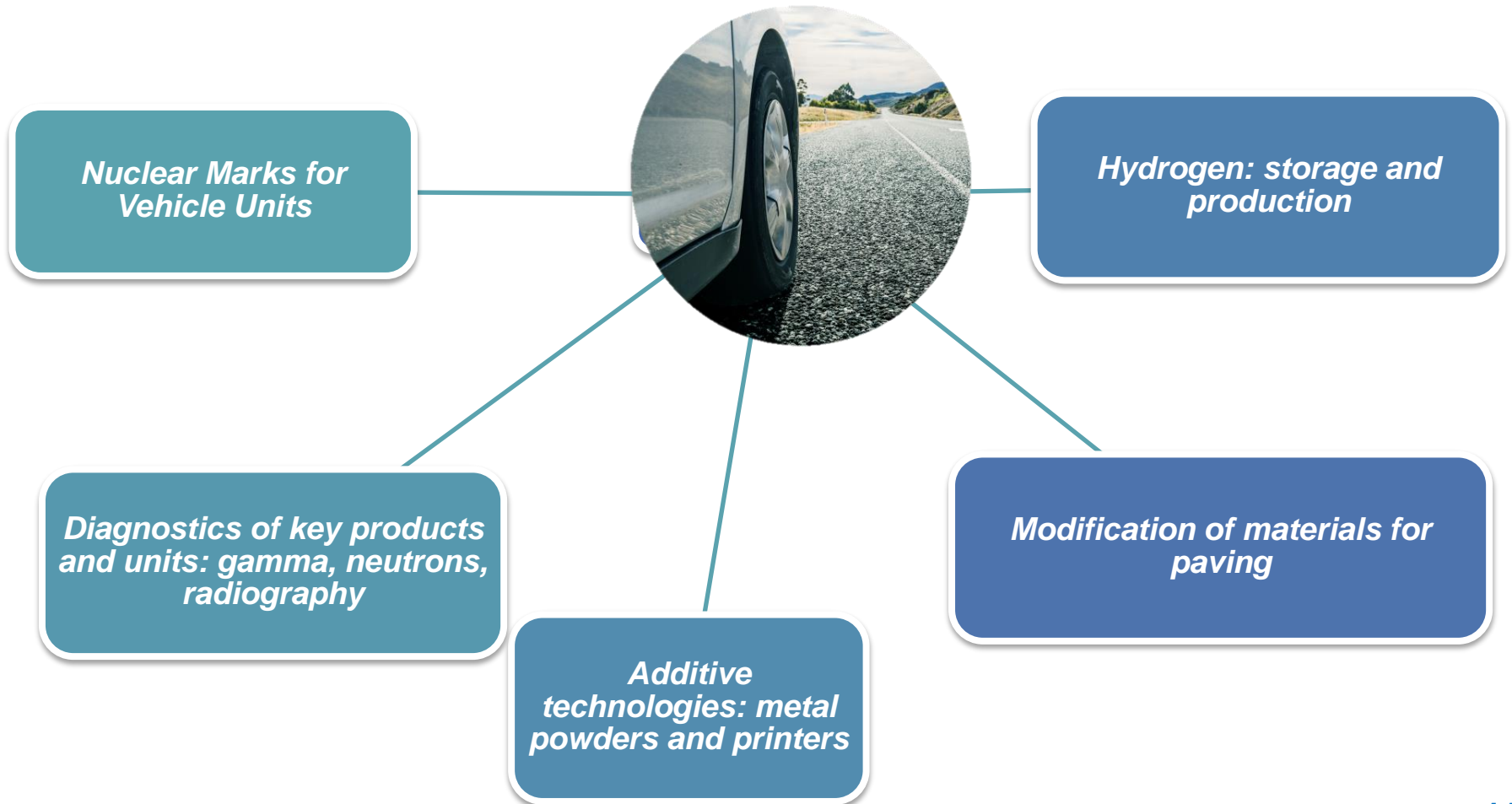
Continental

Shapers` RUS

Engine production
Plant of VW AG



Commercial projects for Kaluga region Automotive cluster





STADA CIS 1,2 billion

Manufacturing technology transfer of socially important medicines from the factories of STADA Group to existing production in Obninsk



ASTRA ZENECA 4 billion rubles

The manufacturing complex of medicines complete cycle (including more than 30 - innovative)



BERLIN CHEMIE-MENARINI GROUP - 2 billion rubles

The manufacturing complex of pharmaceuticals, liquid dosage forms and emulsions



NOVO NORDISK - 3 billion rubles

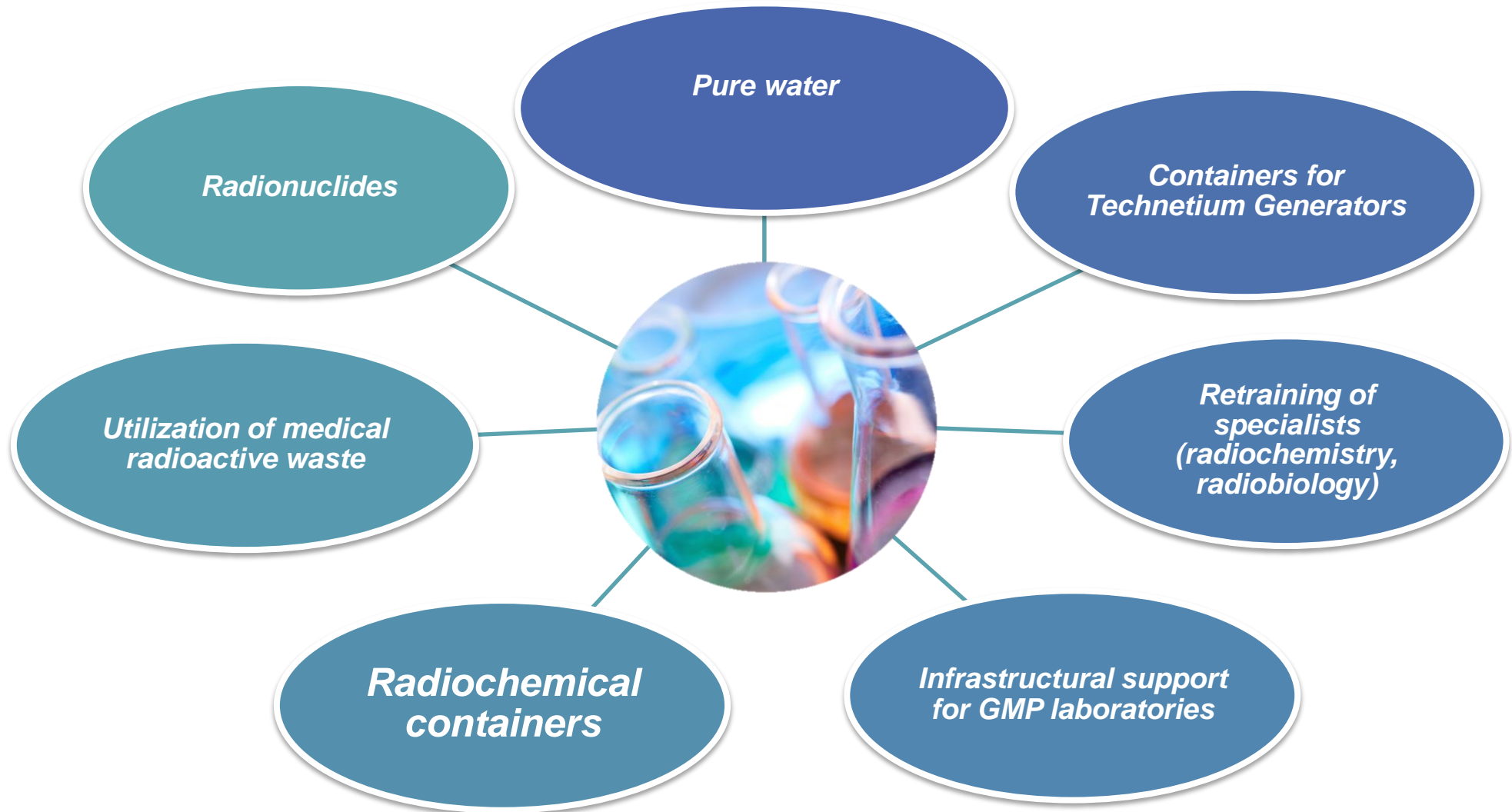
The manufacturing complete cycle complex of modern insulin

«NIARMEDIC» – «ROSNANO» - 4 billion rubles

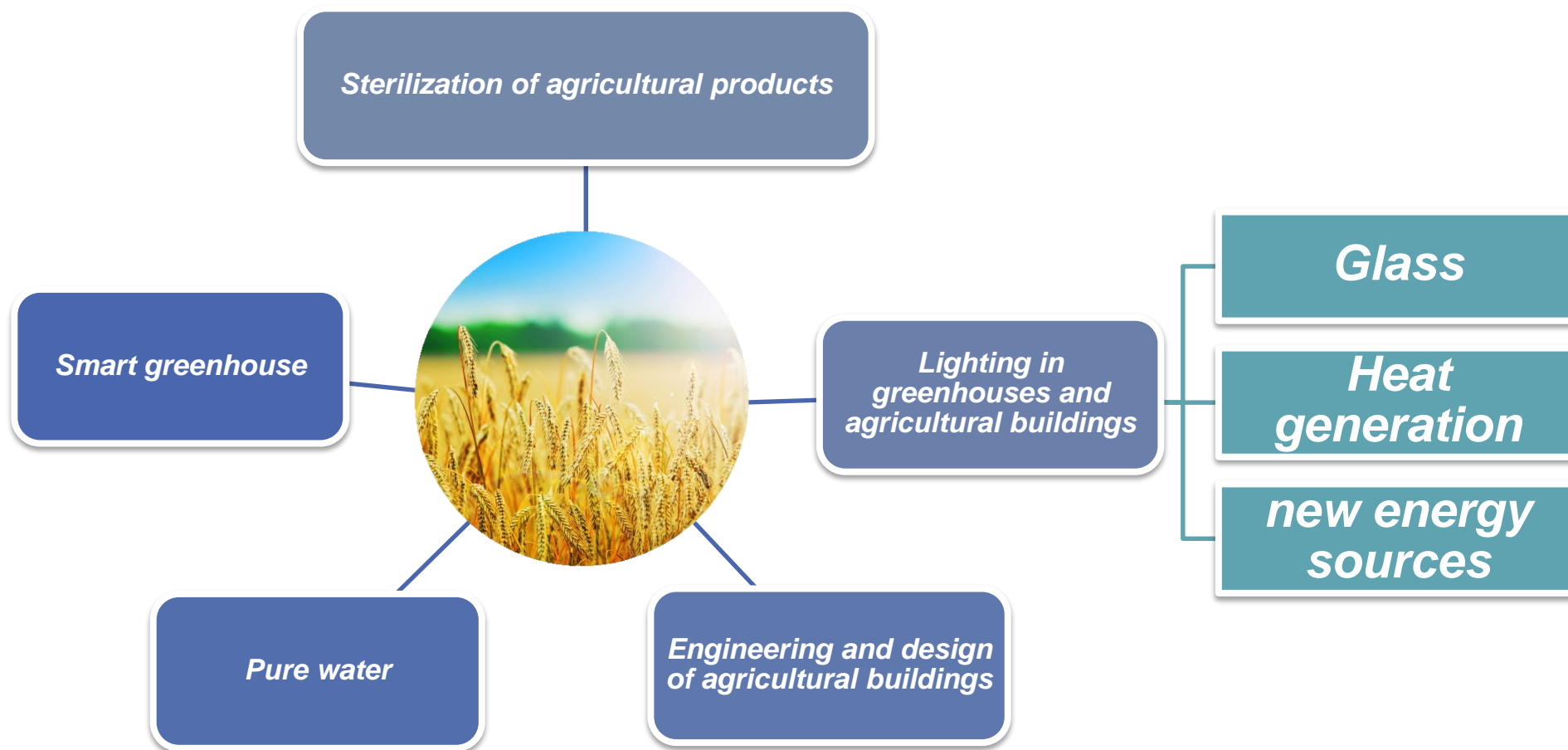
GMP manufacturing complete cycle complex of original medicines



Commercial projects for Kaluga Region Cluster “Pharmaceuticals, Biotechnologies and Biomedicine”



Commercial projects for Kaluga Region Cluster “Agriculture”



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