



**CLUSTER OF AEROSPACE
TECHNOLOGIES POLYMERIC COMPOSITE
MATERIALS AND CONSTRUCTIONS OF
KALUGA REGION**

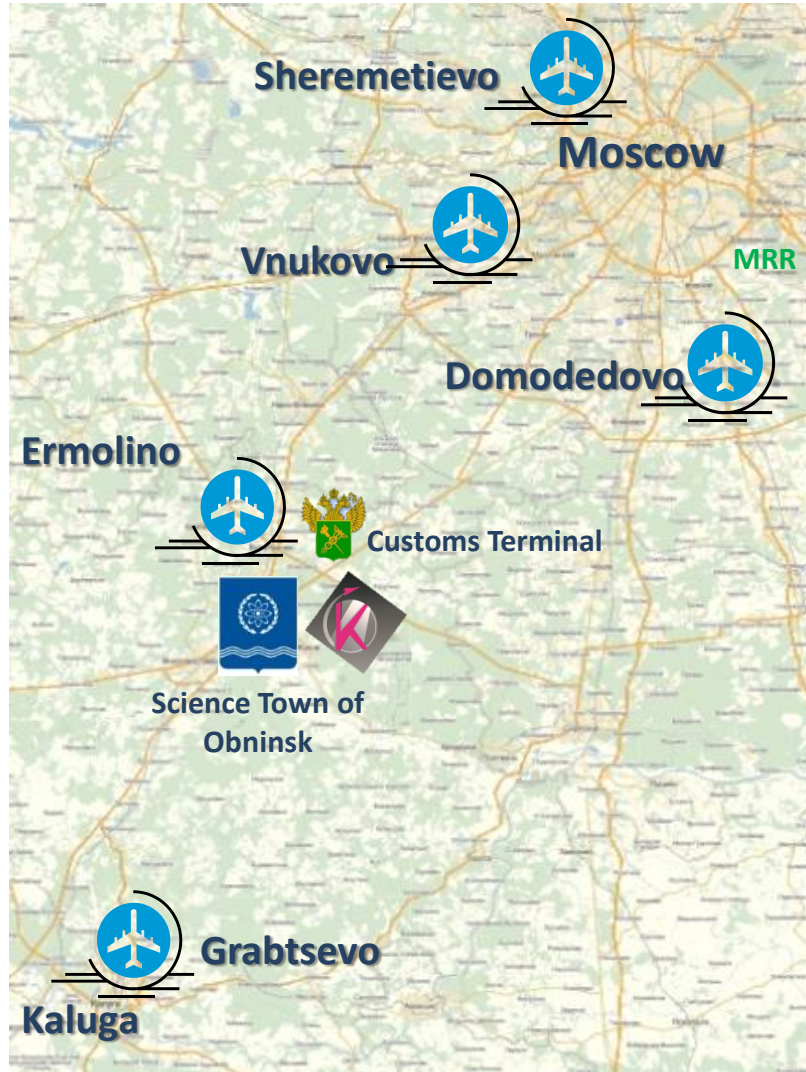
Strategic Aim in Cluster Setting-up

Assistance to Cluster members in the formation of a high-tech complex of interrelated industries and regional infrastructure facilities in the Kaluga region to carry out joint R&D and innovative projects for making wide-spectrum civil products from composite materials with the use of unique aerospace technologies





Cluster Geography and Infrastructure



- ✓ Proximity to the M3 federal road Moscow – Kiev
- ✓ Proximity to the railway line Moscow – Kiev
- ✓ Proximity to the biggest international passenger and freight airports:
 - Vnukovo, Domodedovo and Sheremetievo
 - Grabtsevo Airport (Kaluga, 81 km)
 - Ermolino freight airfield of Russian Federation Ministry of Internal Affairs and Russian Federation Ministry of Defense (23 km)
- ✓ Location within the Russian Federation Science Town of Obninsk with its University and vocational schools for training of skilled personnel along with accommodation and leisure facilities
- ✓ 19 km off the Customs Terminal

Cluster Objectives

- To provide cooperation between the enterprises of the region for establishing production of new types of products for civil sectors of economy
- To realize international cooperation with the aerospace clusters
- To implement programs for training of qualified composite material specialists for Cluster enterprises
- To participate in the joint information events with regard to innovative activities for civil sectors of economy



Cluster Objectives

- To carry out R&D activities in the field of polymeric composite materials, structures and technologies considering the demand of the region in the civil sectors of economy
- To realize of partnership relations with the aerospace clusters of the Russian Federation to expand markets for the manufactured products and to get competitive advantage
- To represent and protect interests of Cluster in the state and private-state development institutions



Cluster Major Benefits

- Participants close location and cooperation
- Consolidated representation of the interests of participants in the state and private-state development institutions
- Expanded access to innovations, technologies, know-how, specialized services and highly-skilled specialists
- Employment of scientific-industrial potential of the city of Obninsk – a Science Town of the Russian Federation
- Fostering technology transfer



Possible business cooperation in the following priority directions

- Transfer of aerospace technologies into other branches of industry of the Kaluga Region, such as construction industry, housing and utilities sector, power engineering, medical equipment, sports industry, etc.;
- Cooperation in improving the quality of composite products made by AKOTECH Association enterprises to raise competitive capacity of the products on the domestic and international markets;
- Commercialisation of developments for joint implementation
- Implementation of joint projects in the field of educational and training programmes;
- Realisation of joint R&D projects according to the defined mutually-beneficial priority directions;
- Realisation of joint projects in the field of information exchange, including participation in international conferences, exhibitions, seminars, etc.

Cluster Participants to Date



**22 Companies
Over 6000 Employees**

Production composite materials and structures	12
R&D Production enterprises	5
Educational Institution	2
Innovation supporter	3

KEY PARTNERS



NP Altai Polymer Composite Cluster Association
(Cooperation agreement signed on May 21, 2015)



European ceramic cluster in Limoges (France)
(Cooperation agreement signed on June 18, 2015)



Non-commercial partnership of support for clusters development Joint Eurasian Airspace Clusters Partnership (JPAC)



Altai State Technical University named after I.I.Polzunov (Barnaul, Russia)
(Cooperation agreement signed on September 29, 2015)

Cluster Management



Oleg N. KOMISSAR

Cand. Sc. (Eng.)

General Developer of ORPE “Technologiya” named after A.G.Romashin”.

Full Member of the Russian Engineering Academy and of the International Engineering Academy.

Member of Coordinating Board for Industry and Technology Development under the Governor of the Kaluga Region.

Member of the Kaluga Region Legislative Assembly, Vice Chairman of the Legislative Committee.

Chairman of the City Scientific and Technical Council



Anatoly A. SOTNIKOV

Cand. Sc. (Eng.), Assistant Professor

General Director of JSC “Innovative Development Agency – Cluster Development Center of the Kaluga Region”.

Member of the Council for Science, Education and Innovations under the Governor of the Kaluga Region.

Member of the Kaluga Region Legislative Assembly.



Valery T. SCHERBAKOV

Doctor of Engineering, Professor

Chairman of the Board of Directors of the Poliet Group (Obninsk)



Oksana V. KOVAL'

Cand. Sc. (Ec.)

Director for Innovations of ORPE “Technologiya” named after A.G.Romashin”.

Member of Scientific and Technical Council of ORPE “Technologiya” named after A.G.Romashin”

Official web-resource – www.akotech.ru



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КЛАСТЕР

**АВИАЦИОННО-КОСМИЧЕСКИХ ТЕХНОЛОГИЙ
ПОЛИМЕРНЫХ КОМПОЗИЦИОННЫХ
МАТЕРИАЛОВ И КОНСТРУКЦИЙ
КАЛУЖСКОЙ ОБЛАСТИ**



CLUSTER

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POLYMERIC COMPOSITE MATERIALS
AND CONSTRUCTIONS
OF KALUGA REGION

CONTACTS:

Chairman of the Board: **Oleg N. KOMISSAR**

Executive Director: **Oksana V. KOVAL'**

Phone: +7 (484) 399-68-73;

Mobile: +7 (910) 608-36-82;

E-mail: kovalov@technologiya.ru

Address: 15 Kievskoe Shosse,
249031 Obninsk, Kaluga
Region, Russia