



Innovative cluster for innovative region!

Samara Aerospace Innovative Territorial Cluster





Samara Region on the map of Russia





Samara Aerospace Cluster

Space-rocket engineering industry

Rocket Space Center "Progress" ("Soyuz" launch vehicles)
Plastic, JSC (composite aircraft materials)

Engine technology industry

Kuznetsov, JSC (aircraft engines)
Metallist-Samara, JSC (flame tubes and can-type combustion chamber)
Salute, JSC (space-rocket components)
EPK Samara, JSC (aircraft bearings)

Aircraft engineering industry

Aviacor Aviation plant, JSC (aircrafts)
Aviaagregat, JSC (aircraft landing wheels)
Agregat, JSC (aircraft fittings)
Hydroautomatica, JSC (aircraft hydraulic components)
FSUE Scientific research institute "Ecran" (aircraft avionics equipment)

Personnel trainings

Samara State Aerospace University named after academician S. Korolyov (National Research University)
Samara State Technical University



Samara Aerospace Cluster on the Russian aerospace clusters map



emp. = employees



JSC Rocket Space Center «Progress»

SOYUZ Launch Vehicle

Earth remote sensing satellites Resurs P, Resurs DK

Satellites of scientific purpose AIST, BION, FOTON

Upper Stages VOLGA, IKAR

**Number of
In-House
Satellites
Launched**

983

**Number of
Launch
Vehicles
Started Up**

1833



OJSC «AVIAKOR - Aviation Plant»



Production of aircraft

Aircraft's maintenance and repair

Total number of produced aircrafts – 22.500



Aerospace Cluster - complete cycle of production & testing of aerospace equipment

OJSC "KUZNETSOV"

Liquid fuel rocket engines

Aviation engines

Gas-turbine power plants

Engines for innovative transport





Major products of Rocket Space Center «Progress»



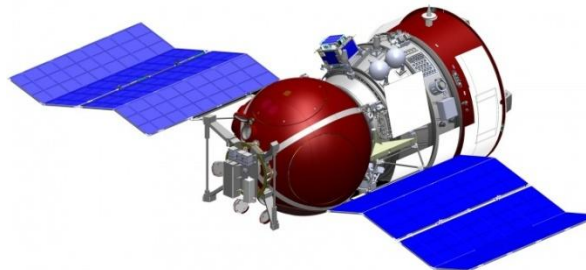
Souz 2



Souz ST



Resurs P



Bion-M



Souz 2-1V

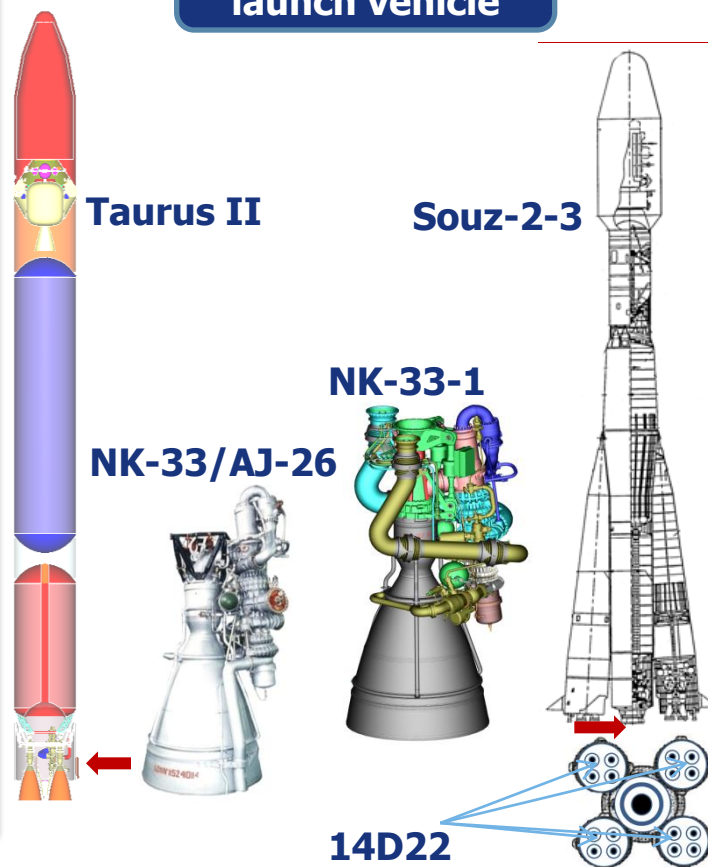


Major products of OJSC "KUZNETSOV"

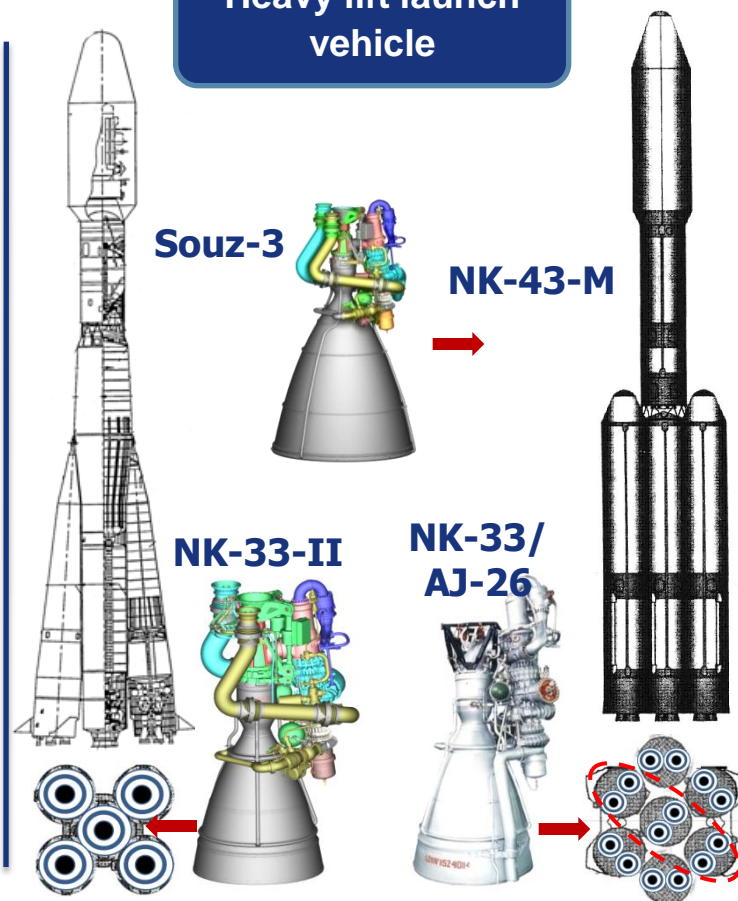
Small lift launch vehicle



Medium lift launch vehicle



Heavy lift launch vehicle





Products of OJSC "KUZNETSOV" for innovative transport



NK-361 for gas turbine locomotive

gas turbine locomotive GT-1

Power – 8.300 kW
Speed – 100 km/h
Between gas stations – 750 km
16.000 tons & 170 train cars
Mass production – 08.2013





Aircraft sub-cluster



An-140 turboprop aircraft
An-140T transport configuration
An-140C cargo configuration
Tu-154 overhaul
An-140, Tu-154, An-72/74 MRO
IL-114 (perspective project)



Spare and component parts production





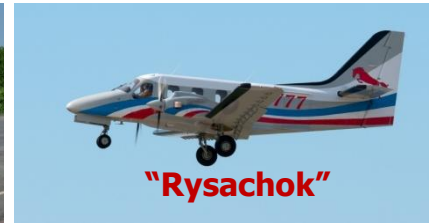
Aircraft sub-cluster / general aviation



**amphibious
aircraft**



**Regional aircraft
with a capacity of
8 to 21 passengers**



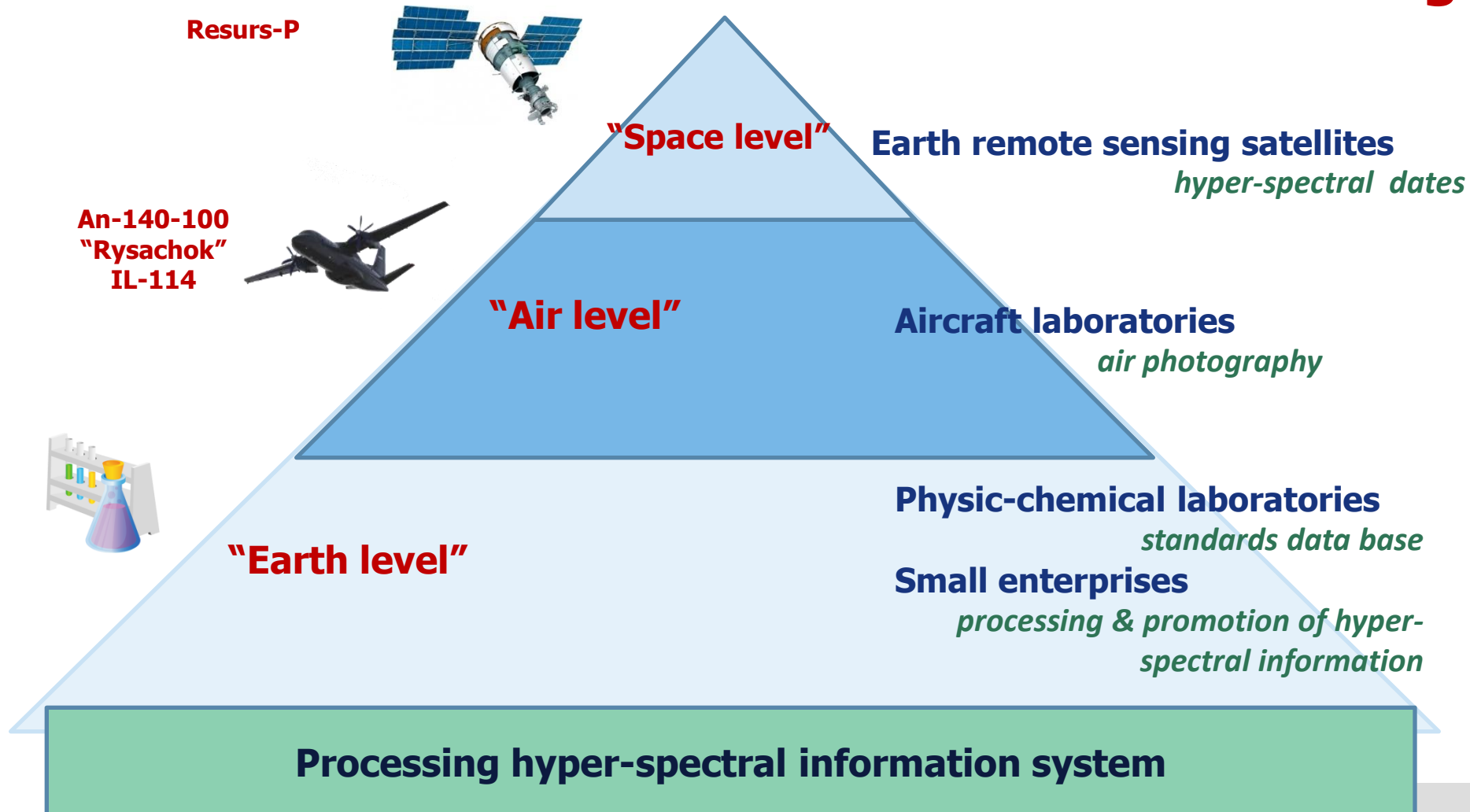
"Rysachok"





Major cluster project for cooperation

Earth remote sensing





Small spacecraft manufacturing and cooperation

**Cooperation in
design of small
spacecraft**

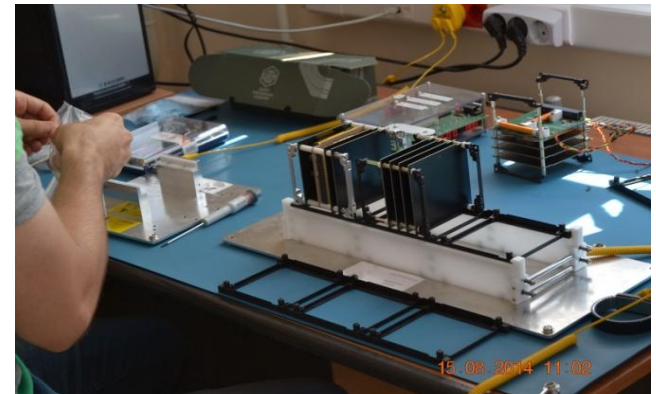
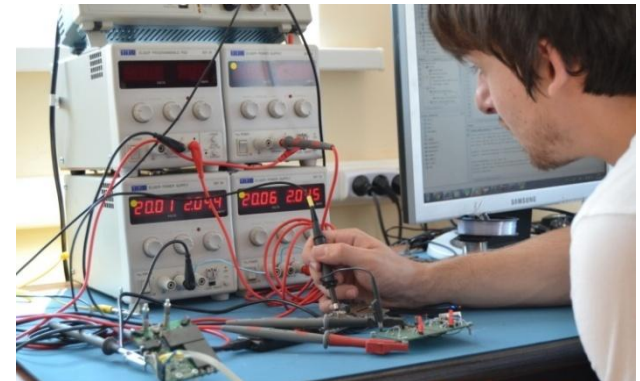


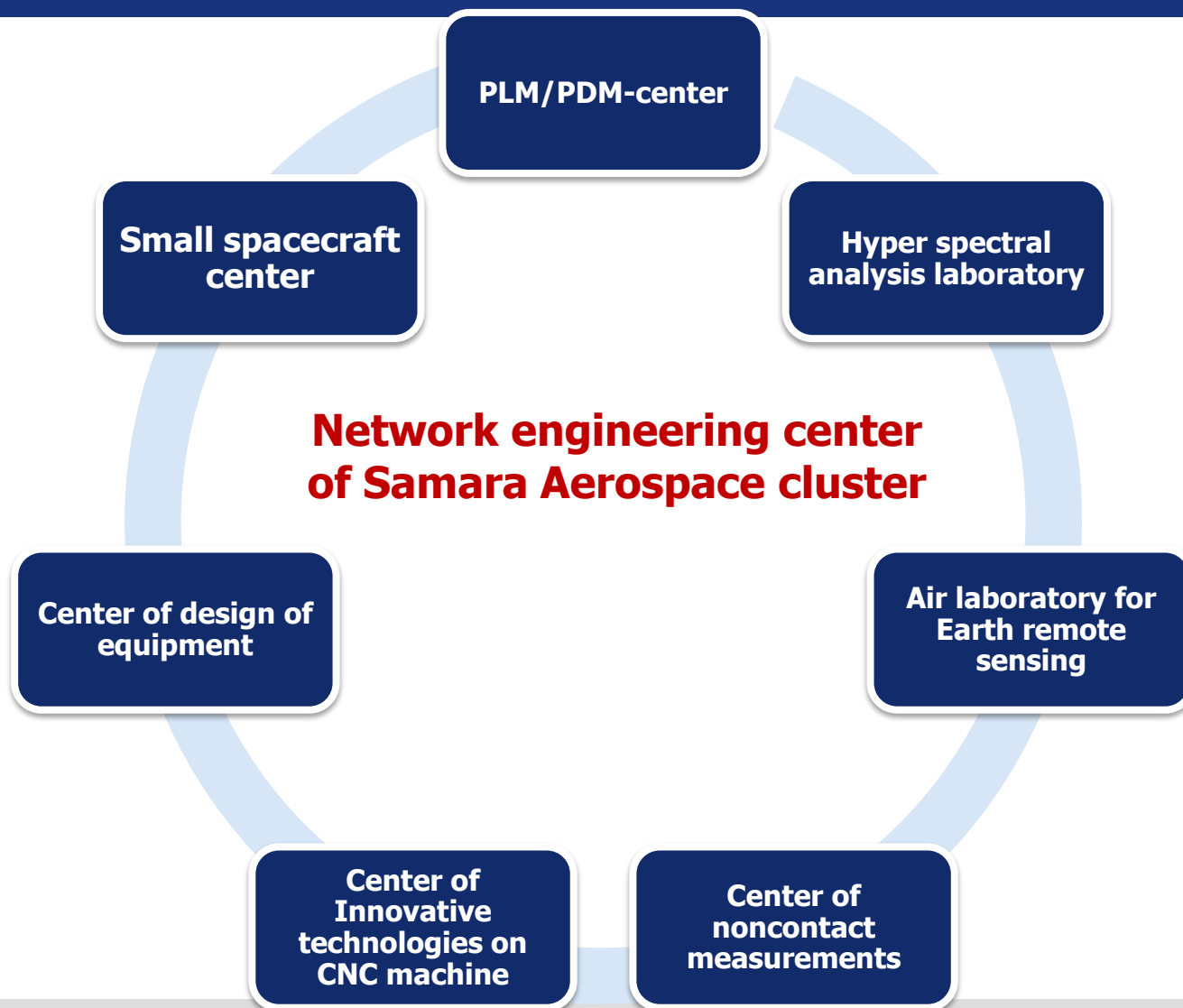
**AIST small
spacecraft**

**Expanding the
possibilities of SOYUZ
launch vehicle's third
stage for nanosatellites**



**Cluster nanosatellites
laboratory**







INTERNATIONAL SPACE COOPERATION



«Soyuz-Kourou» project
(French Guiana)



Partnership with EADS in
GALILEO satellite system
development

Partnership with NASA in
development & testing of
rocket engines

EADS

EPAC
EURASIAN PARTNERSHIP OF AEROSPACE CLUSTERS

Cooperation with
leading European
aerospace clusters in
researching &
developing

Skywin
Aerospace cluster of Wallonia

QB50





National partnership of aerospace clusters



**Samara
Innovative
Aerospace
Cluster**



**Innovative Cluster
of Gas-turbine and
power engineering**



**Innovative
technologies
cluster
"Zheleznogorsk"**



**Cluster
"Ulianovsk
Avia"**



**Innovative cluster
of rocket engines
manufacturing
"Technopolis "Novyi
Zvezdnyi"**



**Number of
actors**

189

**Number of
employees**

135.000

R&D

> 7 billion Rub.



EPAC – legal body

Registered on June 27, 2013 by the Russian Federation Ministry of Justice as an international non-profit partnership

EPAC is a cluster of Clusters

Declared on EPAC membership

Aerospace clusters of Russian regions:

Moscow region (Skolkovo), Samara region
Yaroslavl region, Ulyanovsk region, Novosibirsk region,
Krasnoyarsk Territory, Khabarovsk Territory

With CIS states clusters EPAC could gather more than
20 clusters

EU aerospace clusters:

Pôle Pégase, ASIS

Organizations and Associations:

International union of instrument & ITT engineers,
Vneshaviakosmos, Vector NG





Contact information

Ministry for economic development, investments and trade of Samara Region

443006, Samara, 210 Molodogvardeyskaya st.
Receiving office: (846) 332-27-44
Fax: (846) 332-22-33
minister@economy.samregion.ru,
www.economy.samregion.ru

Vice-governor - minister for economic
development, investments and trade
of Samara Region - Alexander Kobenko

Center of innovative development and cluster initiatives of Samara Region

Samara, 65 Venzeka, ap. 326, 329
Tel./fax: 8 (846) 332-37-64,

info@cik63.ru ,
www.cik63.ru, www.cluster-russia.ru

Cluster coordinator – Sergei Kornilov