



CLUSTER OF AUTOMOTIVE INDUSTRY OF SAMARA REGION



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General director
Machine-building association
Cluster of Automotive Industry of Samara Region

Cluster development objectives

- Creation and development of local productions, increase of added value in the cluster
- Import substitution
- Development of cooperation between members of the cluster
- Extension of market places and delivery geography of cluster members
- Development of export potential of cluster members



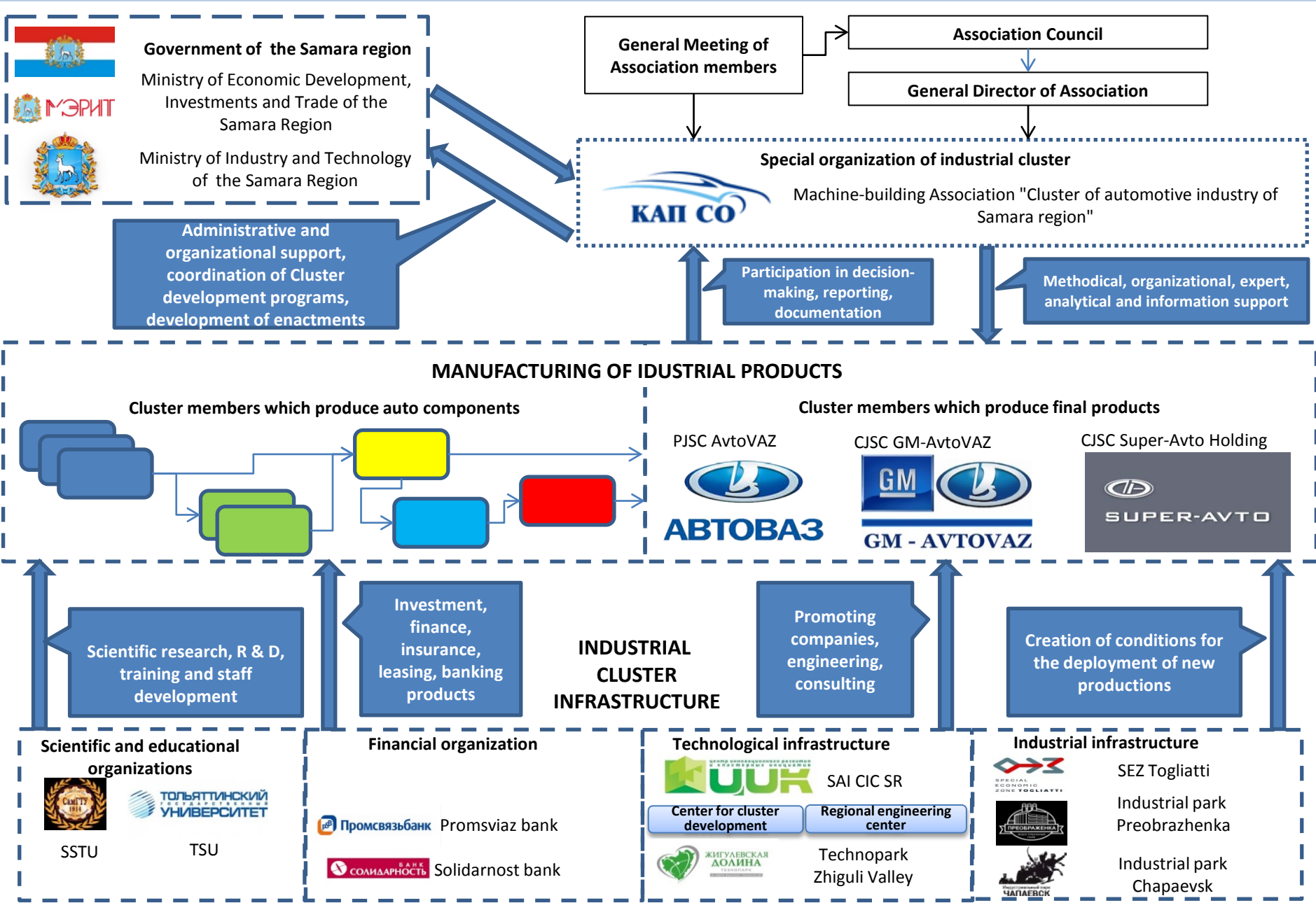
59
cluster
members

> 50 000
personnel
of cluster
members

> 14% GRP
of the region
is generated
by cluster

> 199,6 billions RUB
(3,3 billions EUR)
turnover
of cluster
members

Cluster organizational map



Cluster members and geographical location



КАИ СО
Cluster of
automotive
industry of Samara
region

Manufacturers of the cluster's final product				Infrastructure of the cluster									
 PJSC AVTOVAZ		 GM - AVTOVAZ CJSC GM-AVTOVAZ		 CJSC SUPER-AVTO		 FSBEI HPE Togliatti State University		 Regional Engineering Center		 ZHIGULI VALLEY Technopark		 JSC SEZ Togliatti	
Frost LLC	JSC AKOM	JSC AKOM-Invest	CJSC Togliatti Komplekt Avto	CJSC Polad	Ecoplast LLC	Uralavtostal-TL LLC	CJSC Megaplast						
TPV RUS LLC	SED LLC	Kamplast-T LLC	BBS LLC	Detal-Resource LLC	ЭПЛ ЭКОПЛАСТ	Air conditioners' factory August LLC	Axioma LLC						
Volga-TEK LLC	TZSK LLC	TLT OSNASTKA LLC	GOMMA LINE LLC	Valeo service LLC	JSC TZTO	ABZYST	DSK LLC						
Brose Togliatti Automotive LLC	CJSC Dyform	DESKA LLC	Ideal-plast LLC	Robola LLC	Valee-95 LLC	ДСК	PCC Ferroplus LLC						
IPROSS LLC	JSC AD.Plastik	Region Volga LLC	Steering systems LLC	Avtopenopolimer LLC	Volga-S LLC	Нобель	Nobel Automotive Russia LLC						
							Lada-Press LLC						

CJSC Kinelagroplast
 ЗАО 'Кинельагропласт'
 Samaraavtopribor LLC


- Cluster of Automotive Industry of Samara Region :**
- 59 industrial enterprises are members of the cluster
 - 3 technological infrastructure places
 - 2 financial infrastructure places
 - 3 industrial infrastructure places
 - 2 research, development and training institutions

Members of the cluster

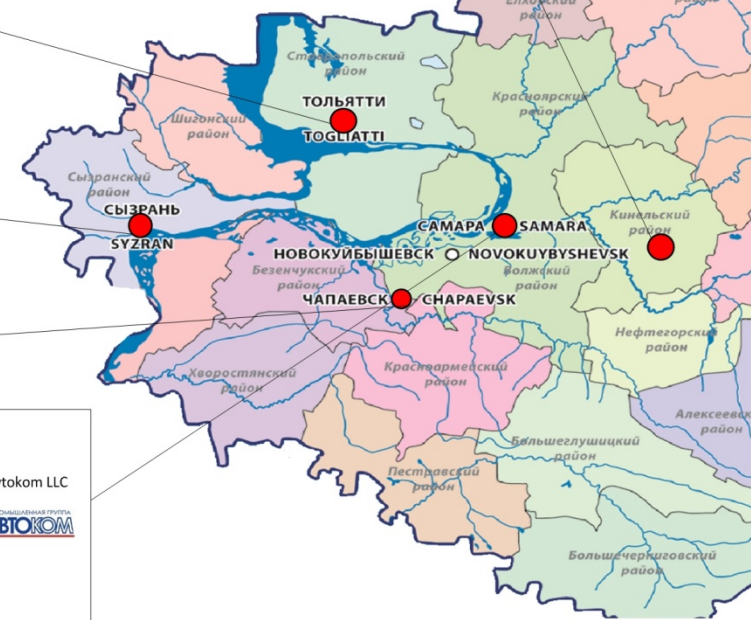
Avtoplast-Syzran LLC CJSC Cardan

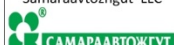







Автопласт КАРДАН

Mobil LLC Autocomponent Engineering-2 LLC

Мобил АЭ


Industrial park «Chapaevsk»



Executive authorities	Infrastructure of the cluster	Members of the cluster
 Samara Region Government	 Industrial park Preobrazhenka	 Samaraavtozhguzh LLC
 Samara Region Ministry of Economic Development, Investment and Trade	 Cluster Development Center	 Avtokom LLC
 Samara Region Ministry of Industry and Technology	 PJSC Promsvyazbank	 Unitherm LLC
	 FSBEI HPE SSTU	 JSC CB Solidarnost

1st commodity
Production of components

JSC AD Plastik
CJSC Polad
CJSC Kinelagoplast
CJSC Togliatti Komplekt Avto
Uralavtostal-TL LLC
CJSC Megaplast
Mobil LLC
Autocomponent Engineering-2 LLC
SED LLC
Kamplast-T LLC
BBS LLC
AKOM-Invest LLC
Region Volga LLC
Axioma LLC
Volga-TEK LLC
TZSK LLC
IPROSS LLC
ZPI LLC

Avtokom LLC
Detal-Resource LLC
Ecoplast LLC
Autoplast-Syzran LLC
Uniterm LLC
JSC TZTO
DSK LLC
Metalloprodukcija LLC
Ideal-Plast LLC
Robola LLC
Avtopenopolimer LLC
SamaraAvtoPribor LLC
Volga-S LLC
TLT Equipement LLC
DESKA LLC
Lada-Press LLC
PCC Ferroplus LLC

2nd commodity:
Production of (sub-)assemblies

Steering systems LLC
Frost LLC
Avtokom LLC
JSC AKOM
CJSC Togliatti Komplekt Avto
Autocomponent Engineering-2 LLC
TPV RUS LLC
Brose Togliatti Automotive LLC
DSK LLC
Air conditioners' factory
August LLC
JSC AD Plastik

Valeo Service Russia LLC
Metalloprodukcija LLC
CJSC Cardan
CJSC Dyform
Valee-95 LLC
Nobel Automotive Russia LLC
Gomma Line LLC
Robola LLC
Detal-Resource LLC
Samaraavtozhgut LLC

3rd commodity:
Production of final products

**PJSC «AvtoVAZ», CJSC «GM-AvtoVAZ»,
CJSC «Super-Avto Holding»**

LADA 4x4 three-door SUV
since 1977, restyling 2009,2013.
The five-door - restyling 1993.
Urban Version - from 2014.



LADA Priora sedan
production since 2007



LADA Kalina universal
production since 2007r, face-lifting 2013



LADA Kalina hatchback
production since 2006
face-lifting 2013



LADA Kalina Cross
face-lifting 2014r.



LADA Granta sedan
production since 2011



LADA Granta lightback
production since 2014



LADA Largus universal
production since 2012



LADA Largus van
production since 2012



LADA Vesta sedan
production since c 2015



LADA X-RAY crossover
production since 2015



LADA Vesta Cross
production since 2017



LADA XCODE - 2020r.



Chevrolet NIVA off-road
production since 2002



**New generation
Chevrolet NIVA 21990** ~ 2019



**Special series on the base of
LADA4x4** production since 2011



Competitive products of
the cluster

Total products volume of cluster members

Billions RUB, VAT excluded (2016)

199,6(3,3EUR)

Cluster specialization - commodities

Commodity groups

- Passenger cars
- Products, assemblies and subassemblies :
 - Steering Systems
 - Suspension systems
 - Clutch system (clutch discs, flywheels, cardan shafts, CV joints)
 - Wheels
 - Fuel tanks (metal or plastic)
 - Climate control systems
 - Seats
 - Rechargeable batteries and starters
 - Door mechanisms(glass lifters, door locks and hinge straps)
 - Wiping systems
 - Noise reduction systems
- Plastic parts of the interior and exterior, including the chrome-plated and painted
- Pressed body parts and fasteners
- Wiring harnesses and electronic products
- Audible alarms, sensors, thermostats, electric fans, external mirror
- Products made of polyurethane
- Blown products of fuel system and engine cooling system
- Fuel lines made of polymer and metal pipes
- Brake hoses, clutch hoses and other rubber products
- Rotary bodies shafts, pulleys)
- Manufacturing and repair of tooling for stamping and mold production

Specializations in cluster – technologies

Technologies

- All types of cold stamping
- Machining of metal parts (turning, milling, polishing, thread rolling and rifled gear treatment)
- Casting of metals
- Heat treatment of metal parts
- Welding of metals, including aluminum (arc welding in a protective environment, - contact, -relief)
- Laser and plasma cutting of metals
- Intense deformation of metals
- Injection molding including bi-component
- Extrusion blow molding hollow plastic parts
- Welding of plastic parts (vibration, ultrasonic, thermal)
- Machining and water cut of polymer products
- Thermoforming and water cutting of upholstery and noise insulation products
- Filling polyurethane
- Painting of plastic and metal parts (powder, electroplating, sputtering)
- Galvanic metallization (metal and plastic)
- Soldering of aluminum components (HFC, plasma, gas)
- Prototypes made on 3D-printer
- Assembly and check of system units (steering systems, engine start systems, wiper systems, glass lifters, door locks, suspension, clutch, tanks, climate control systems, seats, electrical engines etc.)

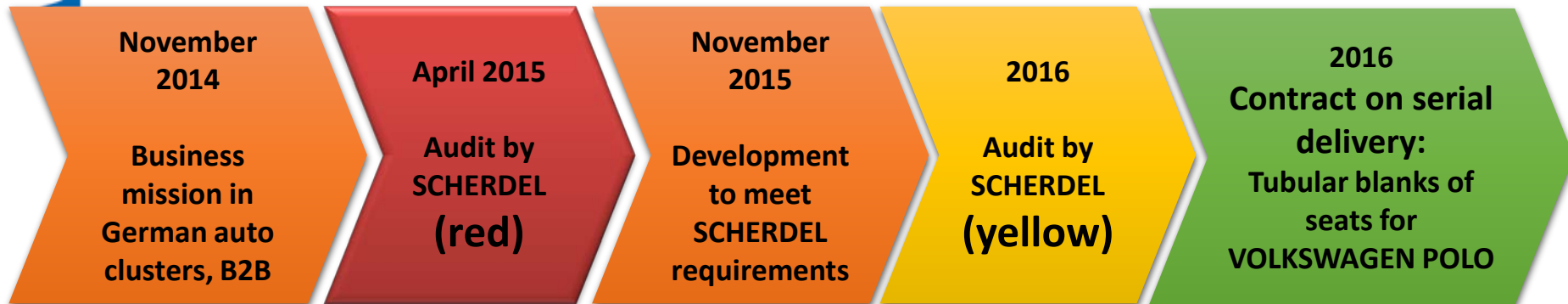
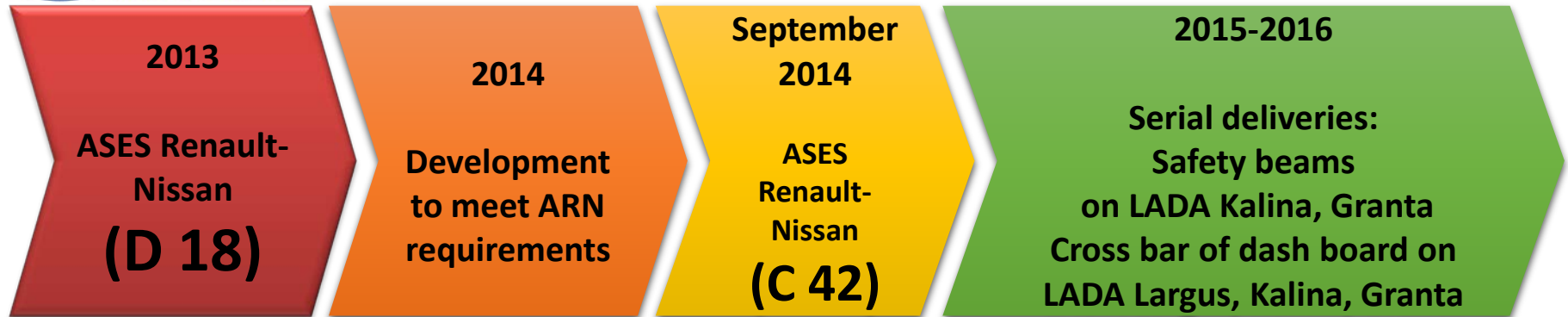
Cluster international cooperation

	Moveo France	<p>380 members of the cluster among them 200 are small and medium-sized enterprises, and this figure is growing during 10 years, two of the region: Normandy and Ile-de-France (Paris), 70% of French automotive R & D, MOVEO has 405 projects with total budget € 1.490 bn. Euro</p>
	CAAR Spain	<p>Aragon automotive cluster CAAR was established in March 2008. In 2013, our companies employed over 6,800 people and had a turnover of more than EUR 1,400 million. Currently, the cluster includes 51 companies.</p>
	AVIA Spain	<p>AVIA brings together 86 companies related to the automotive sector. Currently, the joint turnover of the associated companies is more of 11.200 million Euros, which is 9.1% of regional GDP and 14% of industrial GDP of the Valencia region.</p>
	NRW Germany	<p>Cluster members of NRW: 230 automotive companies; Staff: about 84 500 employees; Turnover of automotive cluster members is around 36 billion. per year; the aim of the cluster up to 2020 is bringing the number of electric and hybrid vehicles in Germany to one million units.</p>
	ACOD Germany	<p>Automotive Cluster East Germany (ACOD) is an initiative for the sustainable development of the automotive industry in Eastern Germany. It includes five car manufacturers (OEM), suppliers of goods and services, and research organizations.</p>
	AMZ Germany	<p>Since the launch of AMZ in October 1999, the company achieved sustained economic effect due to the active cluster activities: - with the assistance of the cluster 284 projects were launched (158 of which were joint and 49 were in the field of development projects).</p>
	CENTRO ESTERO Italy	<p>Centro Estero per l'Internazionalizzazione - organization dedicated to advance the automotive cluster in Piedmont region. Starting from 2007 cluster is actively developing business contacts and contacts in Russia.</p>
	ACS Slovenia	<p>ACS is a business - association and acts on the basis of the economic interests of its members uniting Slovenian automotive suppliers. The goal of its members - to strengthen the competitiveness and the creation of high added value in the cluster.</p>
	FKG Sweden	<p>Association of Swedish suppliers FKG (basic automotive cluster is located in Gothenburg), dedicated to promoting the international market, the search for partners, consulting, development of Swedish automotive components business.</p>
	KIKOX Korea	<p>Managing company SEZ zones and clusters Seoul and Incheon was formed in 1963 for the development of industrial zones in Korea.</p>

Suppliers development and new markets (example)



Metal and
tube rolls
components





Thank you for your attention!