**CLUSTER DEVELOPMENT CENTER OF SAINT PETERSBURG**

**Founded in 2014** as a business unit of Saint Petersburg Technopark, JSC.

**Key objective** – creating conditions for the formation and development of territorial clusters in Saint Petersburg and coordination of cluster projects.

**CLUSTER DEVELOPMENT CENTER AND SUPERVISED CLUSTERS**

**5** clusters are receiving support in 2017

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**38** joint cluster projects

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**40** people completed training programs in 2016 upon the program of human resourcing of IT companies participating in the cluster

**RESULTS FOR THE YEAR 2016**

|  |  |  |
| --- | --- | --- |
| **16 million rubles**of subsidies directedat rendering servicesto SMEs of clustersand cluster managingcompanies | **63**services renderedto SMEs participatingin clusters | **26**Clustersand protoclustersdetected as a resultof conductedmonitoring |
| **64**companies becamenew participantsof the clusters | **97**review sessions heldon the developmentof joint clusterprojects | **150**SMEs receivedsupport from CDC |

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**SERVICES AND SUPPORT RENDERED BY CDC**

**Balt-System, LLC**

[www.bsystem.ru](http://www.bsystem.ru)

**Industry:** machining equipment production and sales

**Objective:** product sales to external market

**CDC support:** international certification of products in 2016 information campaign

**Result:** supply of 12 machines to Republic of Moldova, negotiations with customers from CIS and Eastern Europe, 15% sales growth in 2016, new jobs creation.

**IC-Technologies, LLC**

<http://ik-technology.ru>

**Industry**: production and upgrading of polymer composites lab equipment

**Objective**: sales growth under import substitution policy

**CDC support**: information campaign

**Result**: new clients were brought, 20% revenue growth in 2016.

**Quantum Communications, LLC**

<http://qcphotonics.com>

**Industry**: academic and applied research in quantum informatics field

**Objective**: market research for arranging production and sales of quantum communications equipment

**CDC support**: marketing research of the quantum-based device market, feasibility study for the satellite equipment and quantum communications infrastructure unit development project.

**Result**: projects offered by the company were accepted for sales within the roadmap of National Technological Initiative "SafeNet" and "SafeNet" Engineering Center.

**Scientific and Production Complex Positron, JSC**

[www.positron.ru/partners/ooo-npk-pozitron/](http://www.positron.ru/partners/ooo-npk-pozitron/)

**Industry**: electronic and computing technology production and sales

**Objective**: increase of product competitiveness due to new competences in industrial design and marketing

**CDC** **support**: educational workshop for the employees

**Result**: development of a new product line intended for launch in 2017.

**Engineering Center SZL, LLC**

<https://ferrite.ru>

**Industry**: production and sales of inductive elements for instrument engineering

**Objective**: detection of new markets and inductive elements sales growth

**CDC** **support**: Marketing research of promising markets for inductive elements sales in 2015 and 2016

**Result**: winning the RF Ministry of Industry and Trade contest for conducting development and engineering of 250 new items of inductive elements, fourfold revenue increase, new jobs creation.

**TBC, LLC**

[www.tbc-spb.ru](http://www.tbc-spb.ru)

**Industry**: production and sales of industrial machines

**Objective**: product sales in the market of the Customs Union

**CDC** **support**: providing for obtaining the Declarations of conformity to the Customs Union's technical guidelines

**Result**: entrance to the state procurement market across the Customs Union.

**Prointech, LLC**

[www.prointech.ru](http://www.prointech.ru)

**Industry**: production and sales of telecommunications equipment

**Objective**: product sales in the Russian Federation market

**CDC** **support**: co-financing and support to certification of the telecommunications equipment for the Russian telecom networks

**Result**: 20% revenue growth in 2016, new jobs creation.

**ST. PETERSBURG CLUSTERS**

**CLUSTER "DEVELOPMENT OF INFORMATION TECHNOLOGIES, RADIO-ELECTRONICS, INSTRUMENTATION, COMMUNICATIONS AND TELECOMMUNICATIONS IN SAINT PETERSBURG"**

Founded - 2012. Participants – 203

**Cluster specialization:**

* microelectronics and instrument making;
* information and communication technologies;
* space industry;
* new materials;
* defense industry;
* optics and photonics;
* machine and equipment production (including lathes and special equipment, hoisting and hydropneumatic equipment, robots);
* production of rubber and plastic items;
* generation of electricity and production of electrical equipment.

**Primary products:**

* computer-aided translation software;
* devices for maritime and river ship navigation;
* speech recognition systems, systems for speech integration in device control, voice- based identification;
* data security systems;
* warehousing and port complex control software;
* monetary exchange maintenance software;
* integrated security control and energy efficiency systems for industrial facilities and public utility sector;
* ultra-reliable communications and information telecommunications systems;
* GLONAS5 based motion control and transportation logistics management system;
* world-class service for software engineering and software project development;
* development and production of radio-frequency identification devices;
* development and production of time-coordinate support devices;
* development and production of digital TV equipment;
* development of military and specialized electronic component base (ECB) and radio- electronics;
* development of broadband wireless access equipment;
* avionics;
* car electronics;
* medical equipment;
* modern educational technologies;
* radio-electronics and affordable housing;
* electronics and agriculture.

***Coordinating organizations:***

**Non-profit Partnership RUSSOFT**



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**St. Petersburg Association of Radio-Electronics Enterprises**



CEO: Mr. Mikhail SKACHKOV

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**CLUSTER OF MEDICAL AND PHARMACEUTICAL INDUSTRIES AND RADIATION TECHNOLOGIES**

Founded - 2010. Participants - 142

**Cluster specialization:**

* medical instrumentation;
* production of drugs and pharmaceutical substances;
* medical and pharmaceutical research.

**Primary products:**

* About 100 drug names that are represented by the following groups: antibacterial, drugs to treat cardiovascular and psychoneurological illnesses, analgesic, antipyretic, anti-inflammatory, vitamin and others;
* functional and radiation diagnostic instruments;
* anaesthesiology equipment;
* video endoscopy and minimally invasive surgery;
* medical items for surgery;
* treatment instruments and apparatus;
* laboratory diagnostic equipment;
* disinfection equipment;
* injured people immobilisation devices;
* medical items.

***Coordinating organizations:***

**NP Cluster of Medical, Ecological Instrumentation and Biotechnologies**



President: Ms. Marina GIRINA

17 Chapayeva St. Block B, St. Petersburg

Phone: +7 (812) 234-38-77

info@clustermedtech.ru

[www.clustermedtech.ru](http://www.clustermedtech.ru)

**Union "Medical and Pharmaceutical Projects of the 21st Century"**



Director: Mr. Dmitri CHAGIN

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[www.21mpp.ru](http://www.21mpp.ru)

**INNOVATION TERRITORIAL INDUSTRIAL CLUSTER "ST.PETERSBURG COMPOSITE CLUSTER”**

Founded - 2015. Participants – 32

**Cluster specialization:**

Introduction and development of the use of composite materials in the transportation infrastructure, shipbuilding, and construction industry.

**Primary products:**

* composite materials including fiber glass, carbon-fiber composites, basalt-fiber polymers, composite concretes, wood-polymer composites;
* wide range of composite articles for application in various areas of shipbuilding, building industry, and transport infrastructure;
* nanostructured composite coatings - metal protection technology;
* structures for various types of industrial facilities.

***Coordinating organization:***

**Management Company Kompozitniy Klaster St. Peterburg LLC**



CEO: Mr. Vadim ZAZIMKO

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[www.cclspb.ru](http://www.cclspb.ru)

**TRANSPORT MACHINE-BUILDING INDUSTRIAL-INNOVATION CLUSTER**

**"SUBWAY AND RAILWAY EQUIPMENT"**

Founded - 2010. Participants – 16

**Cluster specialization:**

Manufacture of railway locomotives and rolling stock

Primary products:

* production of units and components for subway cars, bogies, and underfloor equipment;
* spare parts for standard and new models of subway rolling stock;
* escalator spare parts;
* supply of spares for atomic energy enterprises;
* design and production of transportation vehicle interiors and exteriors;
* LED energy-saving products.
* manufacture of special power supply sources;
* supply of track superstructure components;
* supply of rail roll products;
* crystal growing for LED products;
* manufacture of electric equipment and engines for transport vehicles.

***Coordinating organization:***

**Non-profit Partnership "Innovation-Industrial Cluster of Transportation Mechanical Engineering "Subways and Railway Equipment"**



Executive Director: Mr. Yuriy PROKOPOV

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[www.metrodetal.ru](http://www.metrodetal.ru)

**CLUSTER OF ST. PETERSBURG TOOL-MAKING INDUSTRY**

Founded - 2012. Participants – 21

**Cluster specialization:**

Design and production of machine tool equipment, engineering and marketing services

**Primary products:**

* development and production of metal working equipment;
* heavy and unique equipment;
* flexible production systems (FPS);
* industrial machines on the base of mechatronic assemblies, processing centers of non-traditional design, constructed on the block-module principle of mechatronic assemblies;
* gear production machinery;
* supply of domestic and imported metal cutting equipment to Russian and CIS enterprises;
* supply of hydraulic system components, fittings and tools for various types of metal working equipment, spare parts for various model lathes, CNC devices, drives and feed engines;
* process control monitoring at industrial enterprises;
* development of industrial enterprise technological re-outfitting programs;
* major repair, warranty, operating and repair services;
* upgrading the existing equipment;
* comprehensive maintenance of enterprise equipment on a permanent basis;
* engineering services;
* marketing services.

***Coordinating organization:***

**Non-profit Partnership "St. Petersburg Tool-Making Industry Cluster"**



CEO: Ms. Yuliya ADASHKEVICH

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**SAINT PETERSBURG CLEAN TECHNOLOGIES CLUSTER FOR URBAN ENVIRONMENT**

Founded - 2014. Participants – 36

**Cluster specialization:**

Environmental protection and waste recycling.

**Primary products:**

* Equipment for municipal facilities and housing-and-utility sector, clean technologies for urban environment in the following areas of expertise:
* conservation of energy resources;
* energy efficiency;
* smart city/smart networks;
* green building/ecological house;
* clean production processes;
* waste management;
* municipal transport;
* IT for clean technologies;
* clean production processes in the urban environment;
* bio-fuel;
* solar and wind energy.

***Coordinating organization:***

**NP Municipal Homeowners Association**



Chairman of the Board of the Partnership: Mr. Nikolai PITIRIMOV

11/2 Industrialniy Pr., St. Petersburg

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spbcleantech@mail.ru

[www.spbgorod.nethouse.ru](http://www.spbgorod.nethouse.ru)

**CLUSTER OF INNOVATION DEVELOPMENT IN POWER ENGINEERING AND INDUSTRY**

Founded - 2015. Participants – 44

**Cluster specialization:**

Innovations development and implementation, import phase-out in Fuel and Energy complex

**Primary products:**

* electrical machinery: switching substations, switch gears, voltage suppressors, glass fiber rods for insulators, high-voltage resistors, technical specifications surveillance and transmission systems, power resources data surveillance and transmission systems;
* energy-saving equipment for food-service companies;
* high-voltage equipment verification.

***Coordinating organization:***

**EnergoMarket, LLC**



CEO: Ms. Natalia ANDRIANOVA

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[www.energomarket.spb.ru](http://www.energomarket.spb.ru)

**SAINT PETERSBURG JEWELLERY CLUSTER**

Founded - 2016. Participants – 16

**Cluster specialization:**

Wide-range of jewellery production.

**Primary products:**

* gold bullion production;
* production of jewellery with gems and diamonds;
* eastern orthodox jewellery art;
* silverware;
* cut-stone products;
* interior items;
* signs and coins.

***Coordinating organization:***

**Association "Non-commercial partnership «Jewellery cluster development center"**

CEO: Mr. Valeriy BUDNIY

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**CLUSTER OF WATER COLLECTION AND WATER DISPOSAL IN SAINT PETERSBURG**

Founded - 2015. Participants - 24 companies

**Cluster specialization:**

Environment protection and waste recycling.

**Primary products:**

* Development, production, and supply of complex solutions for the following areas:
* process and calibration equipment;
* surveillance and safety systems;
* shut-off and control valves;
* trenchless pipe laying equipment;
* gas-cleaning systems, tubular goods, pumping equipment;
* surface runoff treatment plants;
* complete pumping plants, wells, reinforced concrete structures.

***Coordinating organization:***

**Independent nonprofit organization "Managing Company for Water Supply and Water Disposal of Saint Petersburg"**



CEO: Mr. Leonid GORELIK

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Phone: +7 (981) 911-00-20

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<http://v-klaster.ru>

**CLUSTER TRANSPORT AND INFRASTRUCTURE CONSTRUCTION**

Founded - 2016. Participants - 14

**Cluster specialization:**

* advancement of transport and engineering infrastructure in St. Petersburg and Leningrad Region agglomeration;
* advancement of industrial, organizational, and financial cooperation between the participants within the Cluster;
* formation of innovation cluster chain;
* arranging participation of the Cluster members in big projects by their specialization;
* promotion of information about technologies and services offered by the Cluster participants - in regional and transregional markets;
* organizing communication and strengthening relations between the Cluster participants and representatives of production, business, state and municipal authorities;
* implementation of technological innovations at Cluster's enterprises through providing effective interaction between the participants;
* conducting research and development works (R&D works) and experimental developments aimed at solutions to burning and advanced issues that the Cluster faces;
* Support to specialists' training, reskilling, and upskilling.

Primary products:

* construction and design works, consulting services, laboratory services at transport (road and bridging), engineering and underground infrastructure objects;
* vocational education programs;
* programs in science and innovation field.

***Coordinating organization:***

**Non-profit Partnership Association "DORMOST"**



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**INDUSTRIAL AUTOMOTIVE CLUSTER "AUTOPROM NORTH-WEST"**

Founded - 2016. Participants – 13

**Cluster specialization:**

Automotive components manufacture.

**Primary products:**

Development, production and supply of the following:

* robot-aided welding engineering;
* electronic components, dash panels, connectors for assembly facilities;
* engine and radiator cooling systems;
* bodywork parts, exhaust systems;
* mechanical metal-working;
* manufacture of polymeric products;
* process engineering, technical consultancy;
* certification.

***Coordinating organization:***

**Union "Autoprom North-West"**

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