Ostec Enterprise Ltd.
Designing Effective Production of Advanced Technology
Ostec Enterprise Ltd.

About Ostec Enterprise Ltd.

Ostec Enterprise Ltd. is the biggest engineering company in Russia and the CIS, a developer of integrated solutions to increase the efficiency of enterprises of advanced technology. The company was founded in 1991 by a group of professionals who had worked in the Central Research Institute of Technology (CNITI).

Over the last 20 years the company has completed over 2,000 comprehensive projects on the equipment of manufacturers of advanced technologies with modern technology and equipment. Today more than 80% of all enterprises of the radio and electronic industry in Russia have equipment and technology solutions supplied by Ostec. The company provides a full range of work starting from audits of companies to fine-tuning of the process using the Client’s products with the subsequent technological support of the production.

Ostec Enterprise Ltd. Ideology

Leadership
More than 20 years ago Ostec was the first in the market to begin the development of advanced technologies. Since then, the company has retained its strong leadership position and always tries to be perfect in everything.

Development and support
Ostec is growing along with the rapidly developing field of innovative technologies and is seeking to be the first to adopt all the most advanced things.

The work of our united team aims at the assistance to the Clients in developing the efficiency of their production, as well as at the support of the Partners in their business development. Sharing knowledge with the purpose of advanced technologies development is an integral part of our collaboration with the Partners and Customers.

Team work
Successful long-term cooperation in business can be built only upon the principles of honesty and goodwill. Ostec's activity is based on an individual approach to the implementation of projects and honest performance of its promises. The company is open to discuss any professional issues, ready to share new knowledge and experience.
About the Sector

In 2009, the Russian government set the course for the country's transition to innovative development. This involves investment in scientific and technological development of the radio-electronic industry in the country, creating new research centers and industrial parks.

On July 7, 2011, the following 8 prioritized areas of the development of science, technology and engineering in the Russian Federation were identified by the Presidential Decree:

1. Security and counter-terrorism
2. Nanosystems industry
3. Information and telecommunication systems
4. Life science
5. Advanced weaponry, military and special equipment
6. Rational use of natural resources
7. Transport and space systems
8. Energy efficiency, energy conservation, nuclear power engineering

The amount of investment of the RF government to the industry increased from 56 million Euros (in 2010) up to 528 million Euros (in 2012)

Ostec Enterprise Ltd. and Partners

Ostec cooperates with more than 170 leading manufacturers of equipment and materials. We follow the principle of integrity in offering our services to the Customers, therefore there are only leading companies among our partners.

To Ostec partnership means the following:

- Joint measures on promotion
- Support of the Customers in training under the Partners’ programs
- Translation of operating technical documents
- Organization of exhibitions with the Partners’ joint participation
- Organization of negotiations with the Partners and Customers’ joint participation
- Regular conduction of symposiums, seminars, press conferences, preparation of newsletters
- Round the clock customer service for equipment maintenance
- Participation in sales-meetings
- Participation in our Partners’ training programs
Oste works with projects of any complexity:
- large integrated manufacturing corporations
- large-scale manufacturers
- medium-size mass producing companies
- small-scale manufacturers

Services offered by Ostec Enterprise Ltd

Ostec offers the most progressive approach to the implementation of projects to improve production efficiency:
CONSULTING + EQUIPMENT + SUPPORT

Consulting is one of the fundamental stages of comprehensive projects on the improvement of a company performance. Preliminary Consulting is the ability to eliminate a whole number of inaccuracies accompanying technical reequi- pment and to optimize the entire process of production efficiency. This includes the analysis of conformity of production facilities condition, as well as the level of staff training on the conditions of the equipment operation.
The achieved level of production efficiency is maintained at the support stage. This calls for regular auditing, modernization in the light of improved technology and service support delivery. Ostec has created a world-class service center: more than 30 types of services, rapid repair guarantee time 24 hours a day, 365 days a year.

For us there are no limits in the geography of supply of any type of equipment or materials to our Customers. Over the years of work, we have created our own logistics system based on the most effective technologies of delivery, storage and materials handling. The main goal of this – is to remain a reliable partner for our Customers and Partners in the field of logistics and offer the most effective solution out of existing ones.
Promotion of Ostec Enterprise Ltd.

Within the framework of its services promotion, Ostec keeps the program which includes the following:

- A clearly stated communication strategy for the Ostec brand promotion
- 10 websites for each activity
- A showroom of 320 sq.m. with equipment
- A package of high quality printed promotional materials
- Annual participation in 20 specialized exhibitions, including "ElectronTechExpo"
- Organization of the International Symposium Asold
- Production of more than 15 own specialized printed publications a year
- Publications in the media at the federal level
- Organization and conduction of more than 30 sectoral seminars per year
- Participation in the largest annual scientific and research conference

Ostec Company actively cooperates with the Department of the radio-electronic industry of the Ministry of Industry and Trade and the Association of Russian producers of electronic equipment and appliances (APEAP/ARPEEA). The purpose of the Association is to represent and protect the interests of Russian producers of electronic equipment and devices, as well as to assist in the increase of their share in the Russian market and promote the improvement of Russian export.
Ostec’s Internet space includes 10 web-sites dedicated to each direction of the company:

- **www.ostec-group.ru** – is the main website of the Company
- **www.ostec-smt.ru** – Radioelectronics Manufacturing Direction website
- **www.ostec-micro.ru** – Microelectronics Manufacturing Direction website
- **www.ostec-test.ru** – Tests and Inspection Direction website
- **www.ostec-cable.ru** – Electrical Components Manufacturing Direction website
- **www.ostec-materials.ru** – Technological Materials Department website
- **www.ostec-st.ru** – Chemical-Engineering Solutions Direction website
- **www.arttool.ru** – ArtTool Ltd. website
- **www.fabcenter.ru** – FabCenter LLC website
- **www.gefesd.ru** – Production Association Gefesd LLC website

To work with our Customers, we have developed high-quality advertising materials.

Each field of our business has its individual catalogue with the description of the latest technological solutions.

Our company has a special editorial and publishing group which runs projects to prepare specialized publications for the Customers. The main content of the publications:

- Analytical reviews of the sector
- Announcement of advanced technologies
- News of science and education
- Quality and reliability assurance
- Cost optimization
- Interviews with representatives of industrial enterprises
Corporate structure of Ostec Enterprise Ltd.
Ostec’s Strategic Directions

- REMD - radioelectronics manufacturing direction
- MMD - microelectronic manufacturing direction
- ECMD - electrical components manufacturing direction
- CESD - chemical-engineering solutions direction
- TID - test and inspection direction
- TMD - technological materials direction
- DERD - development of education and applied researches direction
- ECD - electrical test direction

The directions of construction and reconstruction of industrial facilities (FabCenter LLC)

The directions of complex equipment of workplaces for companies that produce radioelectronic equipment (ArtTool Ltd.)

The directions of industrial furniture production (Production Association Gefesd LLC)
Ostec's projects

The most significant complex projects implemented by Ostec Enterprise Ltd.

**Micron** (electronic components, electronic transport cards)
**General Satellite** (digital TV)
**Polet** (aviation electronics, medical equipment)
**Istok** (microwave electronics)
**NPP Pulsar** (microwave electronics)
**Altonika** (contract assembly, electronics for cars, medical equipment)

**Itelma** (contract assembly, electronics for cars)
**Avtopribor** (electronics for cars)
**NPF Dolomant** (industrial electronics)
**IRZ** (railway electronics, security systems, medical equipment)
"NPOTEL" Ltd. (industrial electronics)
**Argus-Spectr** (security systems)
**RNIIRS** (communication systems)
and many others…
Ostec's History of Development

1991 Ostec company registration

- 1992 First International symposium ASOLD was held. Active work aimed at the promotion and marketing of the surface assembly.
- 1993 Beginning of supplies of imported equipment for the surface assembly. Introduction of the first set of automated assembly equipment based upon an elementary level automat for the production of tuners.
- 1994 Publishing the first information bulletin “ПМ:Поверхностный монтаж” ("Surface mounting").
- 1996 Beginning of joint promotion of technological solution along with Philips EMT.
- 1997 Introduction of the first Russian high-volume automated line for the production of telecommunication equipment.
- 2000 Introduction of the first comprehensive projects for the leading Russian assembly enterprises: Altonica, Fastvel, Elara, LVS Electronics and others.
- 2002 Moving to the own office building. Creation of the first Russian and the biggest showroom with equipment. Creation of the technological center for the conduction of test for new technologies. Supply of the first line for mass production with a capacity of 100 000 components per hour.
- 2003 Organization of regular technical seminars for technicians of the sector.
- 2004 Ukrainian branch opening: NPF Ostec. The beginning of the IPC international standards promotion.
- 2007 Creation of daughter companies: CJSC “ArtTool” and “FabCenter”, LLC.
- 2008 Resumption of the international symposium Asold. Ostec began the implementation of the long-term strategy with regards to the building of one of the most efficient companies in the world.
- 2010 Issuance of the new bulletin “Печатные платы и покрытия” (“Printed circuit boards and covers”). Establishing the new Direction for the education and applied researches development.

2011 The 20th Anniversary of Ostec’s activity!