



**IZOLYATOR**

Centuries-old traditions – state-of-the-art technologies

2015

# MISSION

## Our Mission

We create the foundation for a sustainable power supply of society and every man.



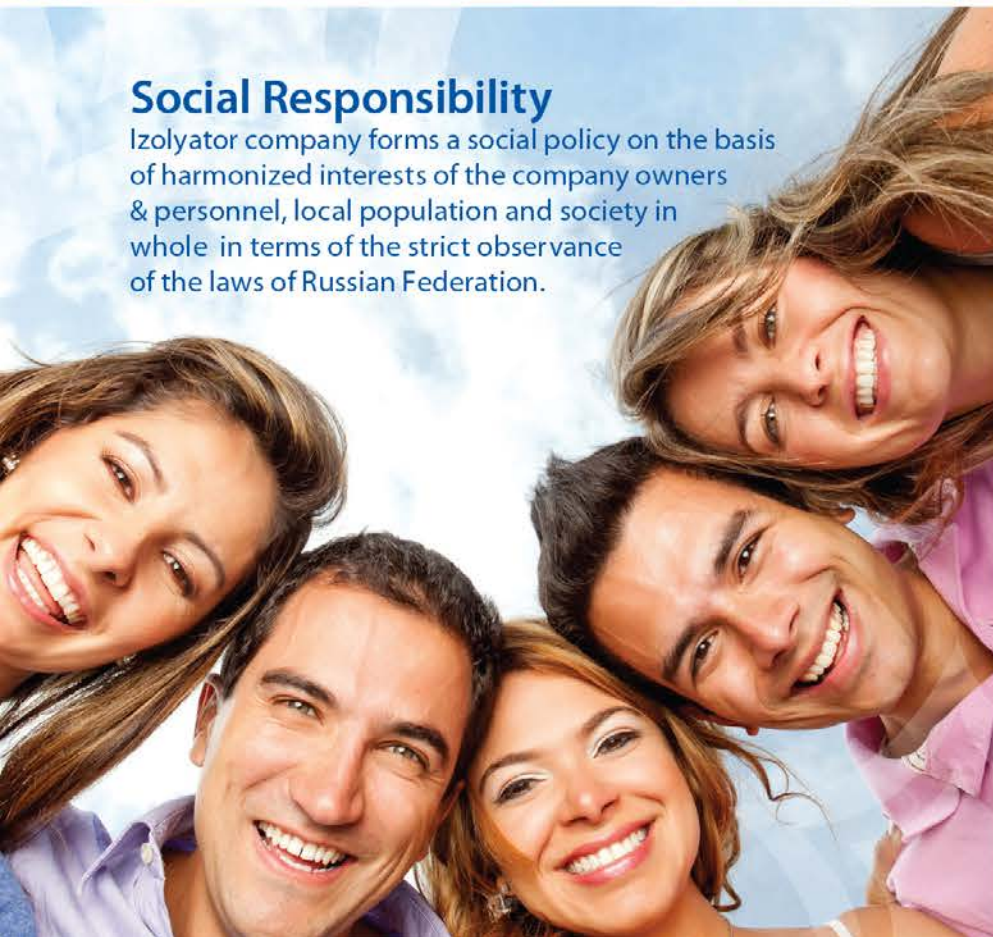
## Our Vision

We are aimed to be a world leader in design, production and introduction of current technologies into the power sector.



## Social Responsibility

Izolyator company forms a social policy on the basis of harmonized interests of the company owners & personnel, local population and society in whole in terms of the strict observance of the laws of Russian Federation.



Izolyator Company is a major Russian manufacturer of high voltage bushings with the professional experience of more than 110 years. The long-term development performed by our company has convinced us that the basis of our company's success is the successes of our clients. In the conditions of the emerging power industry market, we are trying to be attentive and sensitive as much as possible to growing requirements of our customers. We are always ready to understand and to render support in any situations, even the most complicated ones.

In late 2007, we completed a large-scale project to transfer production facilities out of the Moscow city territory to Istra region of Moscow region. This allowed fully renovating and improving production process with the use of modern innovative equipment, and made possible to achieve significant reduction of production lead time together with capacity increase.

Izolyator company is a permanent leader in the field of high voltage bushing manufacturing and sales in RF. One of our main operation principles is permanent improvement of product quality. By the moment, the company's plant has the Russia's only laboratory for the full testing cycle of AC and DC high voltage bushings. The full range of our products is put through the full testing cycle before delivery to the customer.

Nowadays our product quality not only conforms to all international requirements and standards, but also has been confirmed by audits of such world-known transformer manufacturers as Siemens, Crompton Greaves, Alstom. Operational convenience, flexible cooperation conditions and customer attention have been confirmed by many favorable reports and letters of recommendation from our customers and partners.

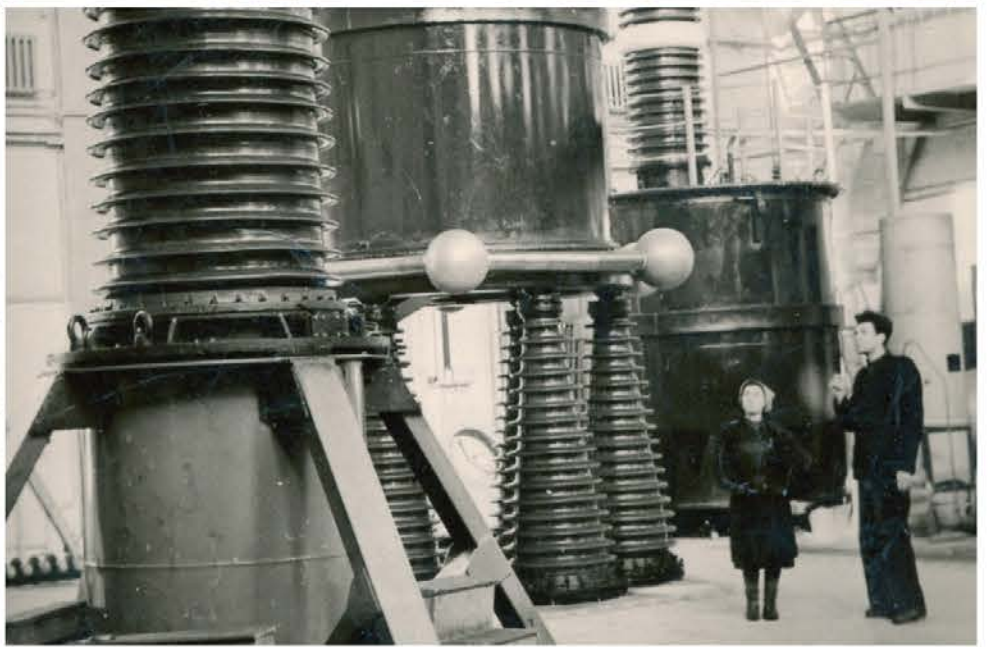
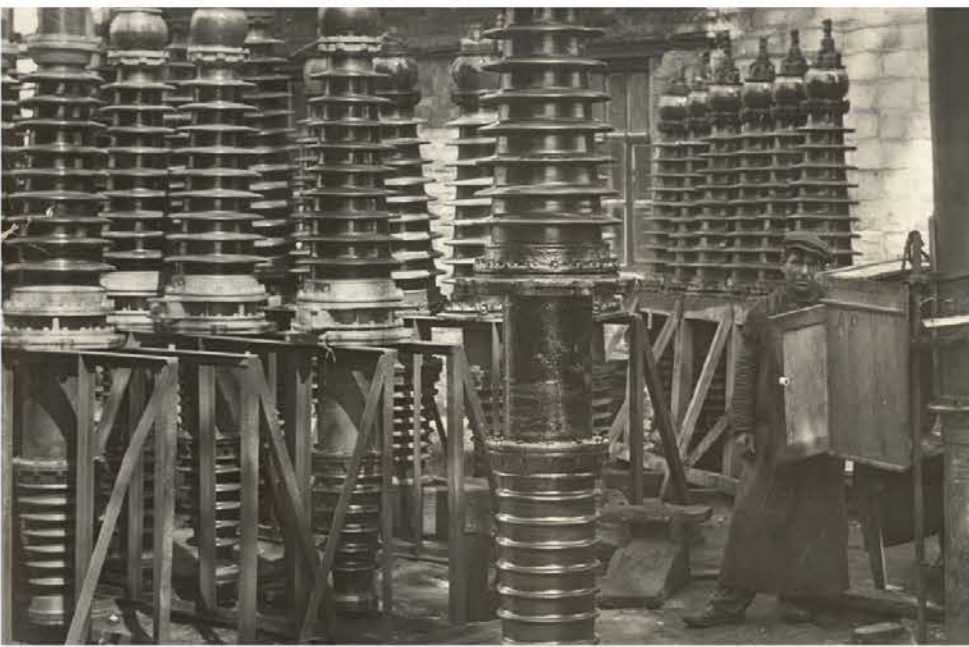
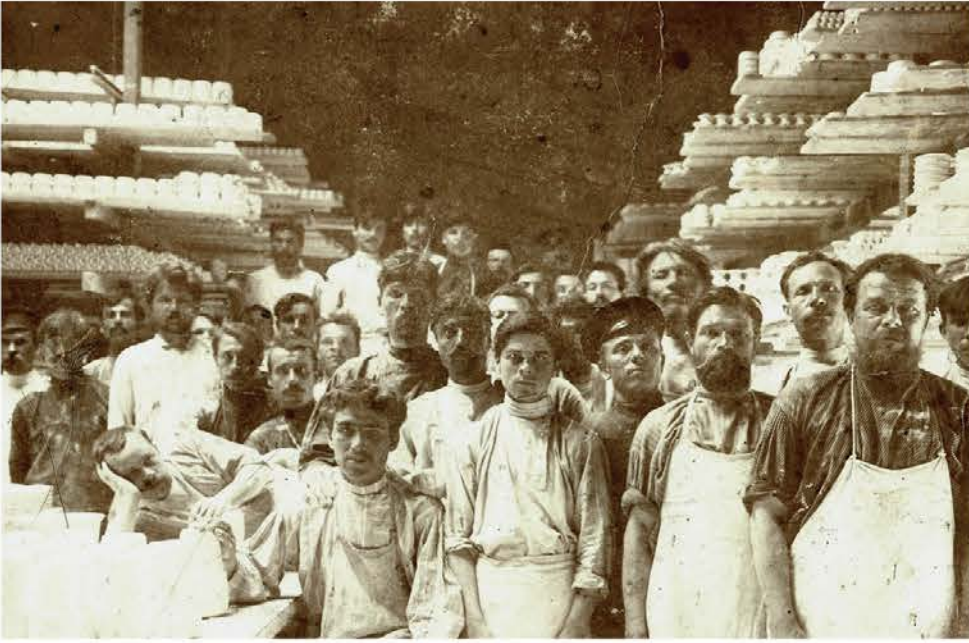
**Our aim is to be a world leader in development, manufacturing and implementation of modern technologies in power engineering, creating the foundation for a stable and sustainable power supply for the society in whole and for each person individually! This is the strategic goal and mission of Izolyator Company!**

A.Slavinsky

Chairman of Board of Directors of Izolyator Company  
Full member of Russian Academy of Power Engineering  
Doctor of Engineering Science

Handwritten signature of A. Slavinsky.

# CENTURIES-OLD TRADITIONS Since 1896



# STATE-OF-THE-ART TECHNOLOGIES



# PRODUCTS



Izolyator Company designs, manufactures and services high-voltage bushings for voltages up to 1200 kV AC and DC for power transformers, reactors, oil circuit breakers, for GIS and wall bushings.

Bushings for voltage from 12 to 800 kV AC, as well as all bushings for DC voltage, are manufactured with solid internal RIP insulation of own design, featuring high reliability and long service life. Besides, paper-oil insulation, oil insulation and SF6 internal insulation are employed. The following types of external insulation are used: polymer insulation made by direct molding on solid RIP-insulation, porcelain housings and hollow polymer insulators.

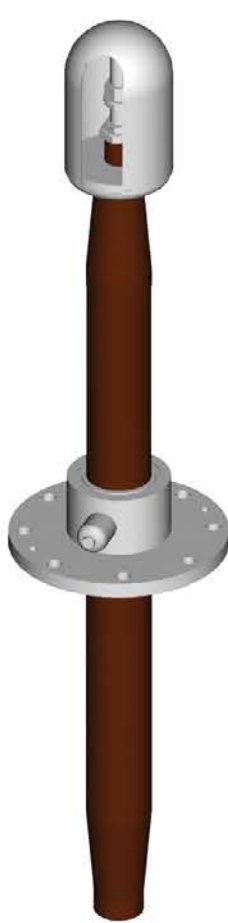
All the bushings are highly seismic-resistant and may be supplied in any climatic design version; special modifications are available for operation in highaltitude regions.

All the bushings are interchangeable with obsolete predecessors in regard of overall and mounting dimensions.

Izolyator Company also designs and manufactures bushings according to individual customer's requirements.



"Air-oil" bushings for oil circuit breakers  
Voltage 40.5–252 kV  
Current 1000–3150A



"Oil-oil" bushings for cable connection of transformers  
Voltage: 126–550 kV  
Current: 630–1000 A



"Air-air" wall bushings  
Voltage: 72.5–252 kV  
Current: 2000–4000 A



"Air-oil" and "Air-air" DC bushings  
Voltage: ±126–800 kV  
Current: 1800–5400 A



"Air-SF6" bushings for GIS  
Voltage: 252 kV  
Current: 2000–3150 A



"Air-oil" bushings for power transformers and shunt reactors  
Voltage: 12–1200 kV  
Current: 315–2500 A



"Air-oi" high-current bushings for power transformers  
Voltage: 24–40.5 kV  
Current: 6–20 kA

# OUR PARTNERS

Izolyator Company customers are the worldwide recognized leading foreign and Russian companies operating in the field of generation, transmission & distribution of electric power; construction of large energy facilities; manufacturing of power equipment.

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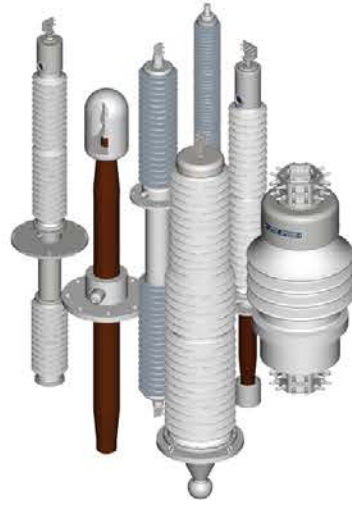


\* Izolyator is an official supplier of the company. Official supplier certificates, references and letters of recommendation from the Izolyator Company customers are available on request.

# ECONOMIC INDICES



PRODUCTION CAPACITY



**12 000** BUSHINGS PER YEAR



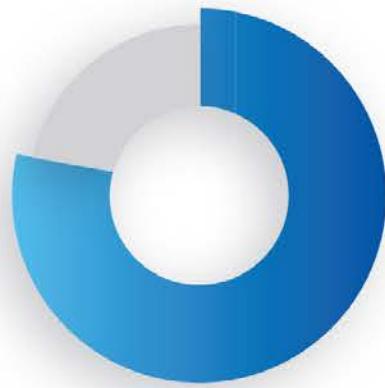
NUMBER OF EMPLOYEES



**470** PERSONS



MARKET SHARE IN RUSSIA  
AND CIS COUNTRIES



**70 – 80%**



ANNUAL SALES  
VOLUME



**> \$ 62 000 000**



SHARE OF EXPORTS IN  
SALES VOLUME



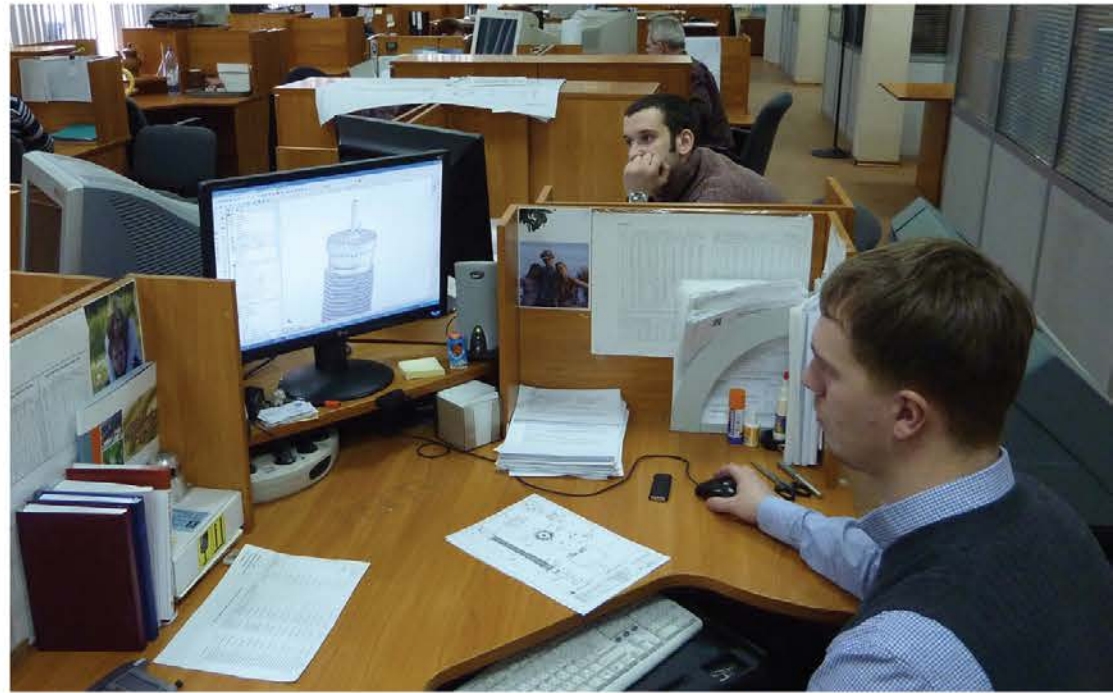
**20%**



# DESIGN, PRODUCTION, TESTING

## Design Office

- development of the new designs of HV bushings
- creation of up-to-date manufacturing technologies
- performance of research and development works
- modernization of the mass products



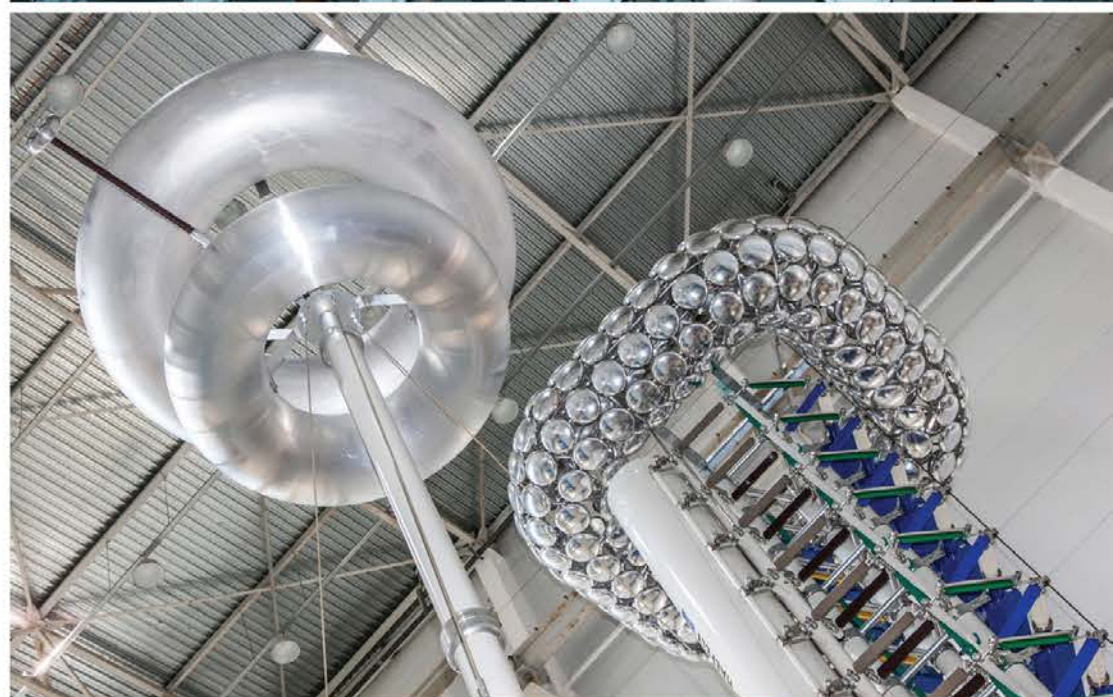
## Production

- perfect technological equipment from the world's best suppliers
- patented technology for RIP-insulation production
- patented technology for external polymeric insulation production
- availability to manufacture internal insulation up to 12 m length, 750 m in diameter



## Test Center

- AC tests up to 1200 kV
- DC tests up to  $\pm 1600$  kV
- full- and chopped wave lightning impulse tests 1.2/50 ms
- switching impulse tests 250/2500 ms
- insulation materials and prototypes tests
- accreditation by the Federal Agency on Technical Regulating and Metrology, acc. to IEC 17025-2006 (ISO / IEC 17025:2005)



## Service Centre

- highly skilled maintenance
- complex diagnostics
- warranty and post-warranty service and repairing of HV bushings
- consultancy for the customer technical service





# IZOLYATOR

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Any additional information about Izolyator Company is available on request.