

*120 years*



**IZOLYATOR**

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

## COMPANY PROFILE

# MISSION. VISION. SOCIAL RESPONSIBILITY

## Mission

We create the foundations for a stable and sustainable power supply of the entire society and every human.



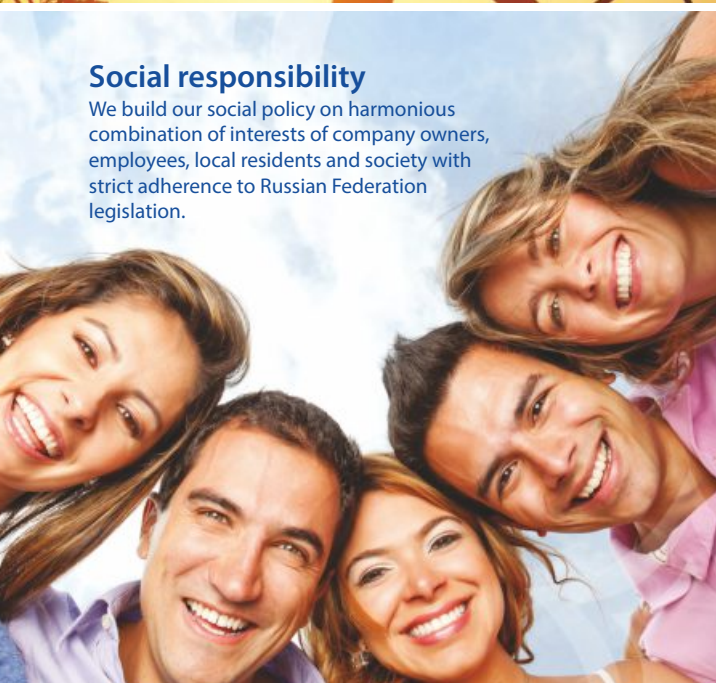
## Vision

We aim to be a global leader in design, manufacture and implementation of modern technologies in power industry.



## Social responsibility

We build our social policy on harmonious combination of interests of company owners, employees, local residents and society with strict adherence to Russian Federation legislation.



The history of high-voltage bushings development in Russia is inseparably associated with Izolyator plant. In its century-long history, the plant has produced over 620 thousand high-voltage bushings, operating at the overwhelming majority of power facilities in Russia and CIS countries as well as 30 more countries in the world.

One of the key events for Izolyator was receipt of the leading science and technology partner to the Russian National Committee of the International Council on Large Electric Systems – CIGRE (Conseil International des Grands Réseaux Electriques – CIGRE) status. That is the largest international nongovernment and noncommercial organization in power industry.

Today, Izolyator has become a research base for SC D1 RNC CIGRE Materials and Emerging Test Techniques. Cooperation with RNC CIGRE allows us to bring Izolyator's work to a whole new level in the interests of all global market players and for Russia's energy system development in general.

All Izolyator's achievements have been made possible thanks to the well-coordinated work of our highly professional team and the all-round support from our partners. We will continue to prove the trust we enjoy by time fulfilling our obligations in high-voltage bushings production and technical service for our customers.

**Century-old traditions – state-of-the-art technologies – these words have become a motto for those employed at the plant, which is justly considered a global leader in development and production of high-voltage bushings.**

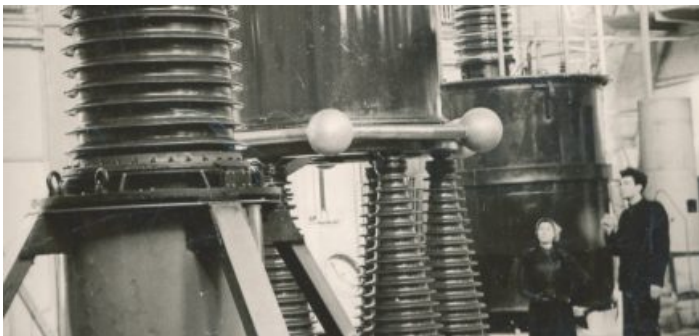
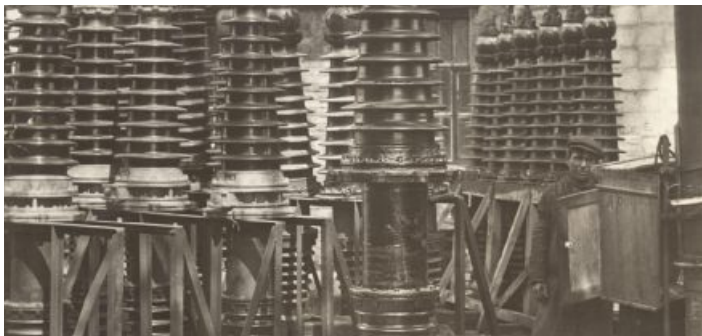
**Alexander Slavinsky, EngD**

Chairman of the Board of Directors  
Vice President AES RF  
Vice President TRAVEK Association  
Russia's Representative in CIGRE SC D1

A handwritten signature in blue ink, appearing to read 'Alex'.



# EXPERIENCE AND HISTORY



120 years  
of EXPERIENCE



THE MOST EXPERIENCED  
HIGH-VOLTAGE BUSHINGS  
MANUFACTURER  
IN THE WORLD



# FACTS AND ACHIEVEMENTS



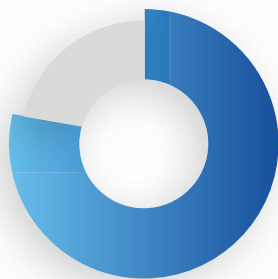
PRODUCTION CAPACITY



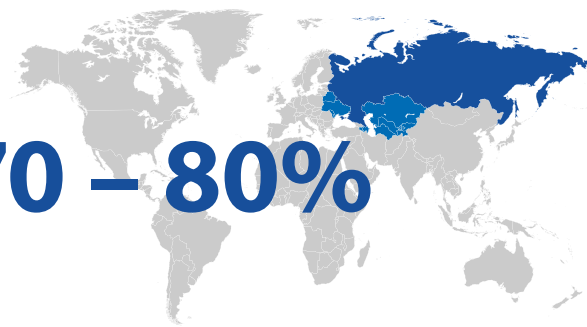
**12 000** BUSHINGS PER YEAR



MARKET SHARE  
IN RUSSIA AND CIS



**70 – 80%**



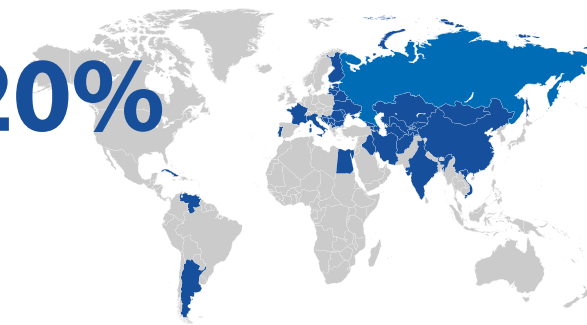
STAFF



EXPORT SHARE



**20%**



TRACK RECORD  
OF DELIVERIES  
ALL OVER THE WORLD



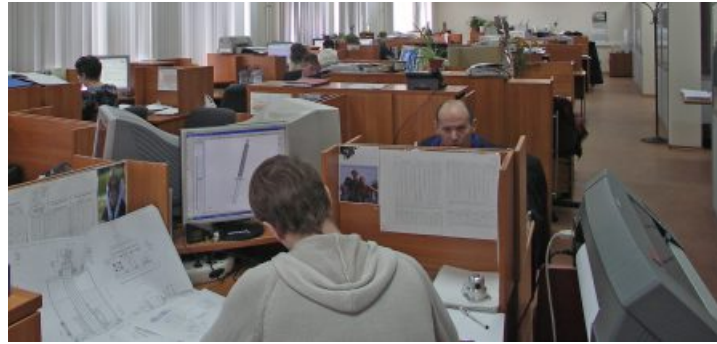
**EXPORTS TO**  
**30** COUNTRIES  
IN THE WORLD



# COMPANY STRUCTURE

## Special design bureau

- creation of new designs of high-voltage bushings
- development of new production technologies
- carrying out research activities and prototyping
- serial products upgrades and deep modification of existing bushing models



## Production

- the most technologically advanced equipment from the best OEMs
- patented technology of RIP insulation making
- patented technology of polymer external insulation making
- making the internal insulation up to 12 m long and 750 mm diameter



## Test center

- testing under alternating current, up to 1200 kV
- testing under direct current up to  $\pm 1600$  kV
- testing by full and chopped lightning impulse 1.2/50 ms
- testing by switching impulse 250/2500 ms
- testing of insulation materials and prototypes



## Service center SVN-Service

- high quality technical service
- diagnostics
- warranty and post-warranty repair of bushings
- consulting technical divisions of customers



COMPLETE RANGE OF  
SERVICES



DESIGN PRODUCTION  
TESTING WARRANTY  
AND POST-WARRANTY  
SERVICE

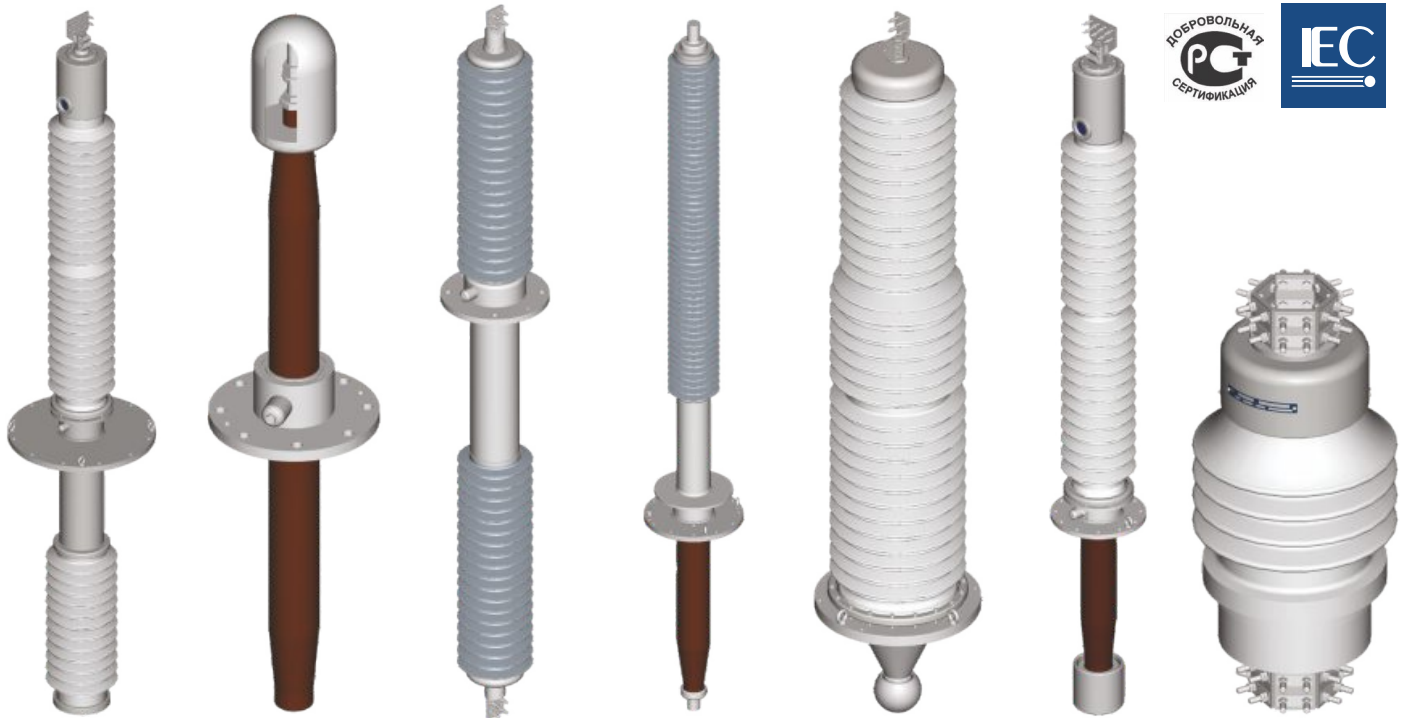
# INNOVATIVE PRODUCTS

HIGH-VOLTAGE  
BUSHINGS FROM  
12 TO 1200 KV



Izolyator designs, manufactures, services and repairs AC and DC high-voltage bushings of up to 1200 kV voltages for power transformers, shunt reactors, oil switches, SF6 switchgear and high-voltage wall bushings.

High-voltage bushings in 12–800 kV range for alternating current and all direct current bushings are made with solid internal RIP insulation of proprietary design that has a high reliability and longevity.



Air-oil bushings for oil switches  
Voltage: 35–220 kV  
Current: 1000–3150 A

Oil-oil bushings for cable connection of transformers  
Voltage: 110–500 kV  
Current: 630–1000 A

Air-air wall bushings  
Voltage: 66–220 kV  
Current: 2000–4000 A

DC HV bushings  
Voltage:  $\pm 126$ –800 kV  
Current: 1800–5400 A

Air-SF6 bushings for switchgear  
Voltage: 220 kV  
Current: 2000–3150 A

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

Air-oil detachable bushings for power transformers  
Voltage: 20–35 kV  
Current: 6–20 kA

# GLOBAL PARTNERSHIP

Izolyator is official certified partner to:



Certificates of official supplier, references and reference letters from consumers of Izolyator products are available on request.

**We appreciate all our partners for a fruitful cooperation!**



*120 years*



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**IZOLYATOR SALES DIVISION IS INVITING TO SET UP COOPERATION  
IN ANY SUITABLE FORM FOR YOU**

### **THINKING OF BECOMING OUR PARTNER?**

We will provide you with extensive information on commercial, organizational, technical and other aspects of our company activities.

### **STILL HAVE QUESTIONS?**

We will submit all information in hard copy or by email on your first request.

### **WOULD YOU LIKE TO VISIT OUR PLANT?**

We will arrange for an informative plant tour to show all manufacturing stages to you.

#### **Izolyator sales contacts:**

Tel +7 495 727 3311

Fax +7 495 727 2766

[mosizolyator@mosizolyator.ru](mailto:mosizolyator@mosizolyator.ru)

Massa Ltd, 77 Lenin ul., Pavlovskaya Sloboda,  
Istra Region, Moscow Region, Russia, 143581

For more details on our products and services  
visit [www.mosizolyator.ru](http://www.mosizolyator.ru)

