

Development of International Cooperation in Power Industry

Russian companies actively work to set up interstate integration with power engineers and electrical engineering companies of the world. The most important targets of the work are European countries and rapidly developing regions of Asia.

International conferences proved to be one of the most efficient ways to share experience between manufacturers and power and industrial companies.

Over several years, Izolyator has been initiator, organizer and participant of integrative processes consolidating experience and interests of Russian and Vietnamese power and industrial companies

The meeting of the Chairman of the Board of FGC UES PJSC Andrey Murov and the Chairman of the Board of the state power grid company of Vietnam EVN NPT Dang Phan Tuong in October 2016 in Moscow became the natural development of relations between the countries in power industry.

The return visit of FGC UES management to Vietnam took place in August 2017. As a result of the visit, Memorandum of Understanding with EVN NPT for development of all-round cooperation in power industry was signed.

Izolyator and leading Russian electrical engineering companies organized a series of open conferences in India and Vietnam. The company's activities were supported by Federal Grid Company of the Unified Energy System of Russia.

The events became a part of ongoing agenda and promoted further strength of interstate partner relations in power industry and fruitful cooperation between the countries.

An important goal of those conferences was to expand integration among national and regional power grid companies as well as strengthen partner relations with power grid and generating companies and transformer plants in the Asia region.

The Indian and Vietnamese partners had an opportunity to investigate new and unique Russian technologies for ensuring innovative development of their own power industry.

Russia's active involvement in the activities of the International Council



Signing of the Memorandum of understanding between EVN NPT and FGC UES



Alexander SLAVINSKY
Chairman of the Board of Directors of Izolyator, Russia's Representative in CIGRE SC D1, Head of RNC CIGRE NSC D1, Doctor of Science

– International cooperation has always been an important part of our work and a challenge for Izolyator's development. We appreciate every opportunity to demonstrate reliability and technical efficiency of our products through the most difficult test — test of time. We intensively look for opportunities to establish long-term and efficient relations and to explore new regions of our presence.

on Large Electric Systems CIGRE is yet another factor of cooperation development. India representing by the Indian National Committee of

CIGRE is also an active participant of the International Council activities. The companies of Vietnam successfully cooperate with CIGRE as

well. However, Vietnamese national committee has not been formed yet.

At the conferences, representatives of Russian electrical engineering companies and Izolyator had meetings with the management of the state power grid companies of India and Vietnam – Power Grid Corporation of India Ltd. and EVN NPT. The parties discussed the importance of integrative processes and shared interests of the companies.

Open Russia – India workshop on power engineering was held in Gurgaon (India) on **December 8, 2017**. Russian manufacturers of high-voltage equipment were represented by Izolyator – the leading science and technology partner of Russian national committee of CIGRE, and Uncomtech Trading – the leading manufacturer of cable products in Russia. The workshop brought together more than 80 visitors.



Meeting between FGC UES and Izolyator representatives and PowerGrid management board



PowerGrid management at the open Russia – India workshop on power engineering

Listed below purposes and tasks were reached within the workshop:

- further dialogue between FGC UES and PowerGrid;
- the first presentation of Uncomtech trading;
- informing PowerGrid's clients and Indian transformer plants about the necessity of replacement of OIP HV bushings with service life exceeding 25 years;
- detailed instruction with description of possible mistakes when installing and operating Izolyator RIP bushings.

Power industry of India is one of the most rapidly developing in the world. In particular, this is due to backbone power lines upgrading. The long-standing history of cooperation in power engineering between the countries since the USSR time, the successful dialogue between FGC UES PJSC and the state power grid company of India PowerGrid as well as Izo-

lyator's successful operations in India allowed to continue experience sharing between power grid and industrial companies of the friendly countries.

Open seminar "Experience exchange in T&D – Presentations of Russian producers" with representatives of Russian export center and Russian Federation Trade Mission in Vietnam was organized by Izolyator and leading Russian electrical engineering companies on **March 21, 2018**.

- The key objectives of the event:
- development of integration between national and regional energy systems of Russia and Vietnam in the framework of Memorandum of comprehensive cooperation in power engineering between FGC UES and the state power grid company of Vietnam EVN NPT;
 - expansion of international activities within CIGRE, including

invitation for new Russian and Vietnamese specialists to take part in the working process of Russian National Committee – RNC CIGRE;

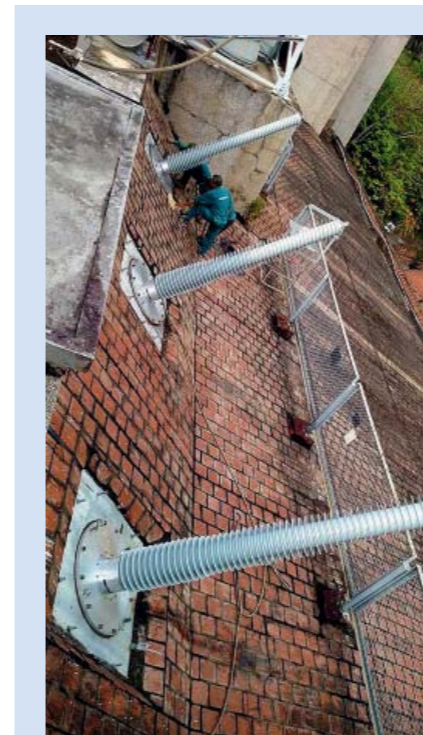
- experience sharing between Russian and Vietnamese companies – manufacturers and operators of power equipment;
- use of Russian leading power equipment manufacturers experience for updating power system of Vietnam;
- development of business contacts and formulating suggestions for expanding cooperation between Russian and Vietnamese electrical engineering companies and power grids.

The Russian side was represented by leading manufacturers of power equipment: Izolyator, SVEL Group, Uncomtech Holding and VO Electroapparat JSC. Vietnam was represented by EVN NPT management and more than 100 professionals from generating, power grid and industrial companies and R&D specialists.

One of the most significant result of the meetings and conferences was sharing of experience of Russian electrical products manufacturers for the purposes of power systems of Vietnam and India updating. The experience of Russian companies is justified by decades of successful business relations with the Federal Grid Company of Russia, which has the biggest power lines length, and, consequently, the largest park of high-voltage equipment, operating in highly diverse climate conditions.



Participants of the Russia – Vietnam seminar "Experience exchange in T&D – Presentations of Russian producers"



220 kV wall bushings at Hoa Binh HPP in Vietnam



252 and 420 kV bushings on the transformer of the PowerGrid company, India

In its more than 120 years' history the enterprise has produced more than 620 000 HV bushings operating in the overwhelming majority of power facilities in Russia and the CIS countries as well as 30 more countries of the world. We will continue to make every effort in order to prove your trust by timely fulfilling our obligations in high-voltage bushings production and technical support of our customers.

Izolyator made a presentation of the key principles of risks assessment for obsolete equipment, types of scheduled measurements, relevance of additional diagnostics and principles of decision-making related to OIP bushings replacement.

Key advantages and economic feasibility of updating were presented to audience based on the successful long-standing cooperation of Izolyator and Federal Grid Company of Russia regarding transition to

bushings with exclusively solid RIP insulation.

The open conferences in India and Vietnam became a foundation in development of further cooperation between countries. Also, those conferences provided international exchanges between leading power grid companies and direct support of Russian industrial companies export.

Izolyator's activities in CIGRE are an important development di-

rection. The company is a leading science and technology partner to the Russian national committee of CIGRE and is actively engaged in activities of RNC CIGRE D1 study committee «Materials and Emerging Test Techniques» (the committee is based at Izolyator plant).

The joint activities with leading electrical engineering companies of Russia in promotion of innovative domestic products to Asian and European markets aid to develop a dialogue with partners from various countries and make Russian brand recognizable worldwide. 



Preparation of a 330 kV bushing for testing. Jekabpils, Latvia

120 years



IZOLYATOR

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

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