

Monitoring, Diagnostics and Control System of transformer and reactor equipment «ESMDU-TRANS» manufactured by PJSC «Zaporozhtransformator»



The service life of transformer and reactor equipment is 25 years. However, transformers often work out the period much longer than specified service life. And the longer the life of the transformer or reactor equipment, the higher the risk of its failure due to insulation aging.

To prevent the failure events of transformer and reactor equipment, the special protection and monitoring systems are to be installed on such equipment.

Monitoring, Diagnostics and Control System («ESMDU-TRANS») manufactured by «ZTR» PrJSC is purposed for complete examination of technical condition both the transformer and the reactor equipment within operation, generation of diagnostic, warning and emergency messages, keeping of data bases, communication of data as for equipment technical condition to computerized process control system (PCS).

Experience of the deliveries of

Monitoring Systems «ESMDU-TRANS» manufactured by «ZTR» PrJSC makes up above five years, and up to date

Control System («ESMDU-TRANS») manufactured by «ZTR» PrJSC. Among the Customers of Monitoring Systems manufactured by «ZTR» PrJSC there are such companies as SE NEC «Ukrenergo», Belorusskaya NPP, Uruguay Company UTE, National Electric Power Company (NEPCO, Jordan), etc.

All this time, new developments are being carried out at ZTR in the field of improvement of the equipment reliability and enhancement of the diagnostic methods for power transformer plants.

ESMDU-TRANS is developed taking into account inherent characteristics of the designs, the materials used and the test results of specific transformer equipment. Supply of such system together with main products ensures for «ZTR» PrJSC to gain the

advantage over other Manufacturers. And for the Customers, in turn, it gives a guarantee of personality of design (together with transformer equipment), as well as online and high-quality service.



more than fifty transformers produced and delivered by ZTR to the Customers in Ukraine, as well as in different world countries such as Jordan, Uruguay, Armenia, etc., are operated under control of Monitoring, Diagnostics and

The 23rd Belarusian Energy and Environmental Forum «ENERGY EXPO»

«Zaporozhtransformator» PrJSC (ZTR) took part in the 23rd Belarusian Energy and Environmental Forum «ENERGY EXPO».

The event was organized by Ministry of Energy of Republic of Belarus and took place in Minsk, Belarus.

Within a scope of the exhibition, the representatives of «ZTR» PrJSC Sales Department held a series of meetings with traditional Customers - MinskEnergo RUE, Grodnoenergo RUE, BresEnergo RUE, Gomelenergo RUE, Vitebskenenergo RUE, Mogilevenenergo RUE, having the discussions as to current projects and prospects for further collaboration in the market of Belarus.

During such meetings, the positive feedback was received as referred to operation of transformer equipment supplied by ZTR not only within recent years, but also delivered more than 40 years ago.

Activities of Service Center (SC) of «ZTR» PrJSC were also noticed by the Customers, namely, the ability of highly-skilled SC specialists to respond to the site without delay, carry out diagnostics of installed equipment, provide the advisory services and the personnel training.

Within the scope of the forum «ENERGY EXPO», negotiations were performed with development of the decisions related to «ZTR» PrJSC participation in a series of power projects in Republic of Belarus.



Painting process at ZTR complies with International Standards

Painting is the integral part of the technological process at many industrial enterprises. It provides protection for the material and creates a kind of "the product face", which has an effect upon the competitiveness of production.

Subject to competent performance of the process, painting allows to obtain perfect quality and durability of the paint coating.

Nowadays, the requirements for the quality of surface painting that ensures for the industrial products «the marketable state» and improve their performance, are increasing continuously. To confirm the fact that "ZTR" PrJSC always follows the latest trends and keeps up with the times in such processes as painting, welding, etc., the decision was taken to involve the independent expert to assure the Buyer that painting of the products to be bought by him is carried out competently and according to procedures that prevent and avoid the defects.

Within implementation of the processes



to improve the painting procedure at the Company, "ZTR" PrJSC took the decision to certify the quality of painting by means of International certificate. Since this process is labour-intensive process and time consuming, "ZTR" PrJSC, together with independent expert, after examination of existing painting process, has developed a number of measures for enhancement and development of painting process for the purpose of its certification in further.

Owing to high-level professionalism of the employees of "ZTR" PrJSC, we have confidently implemented all the planned activities, took into account all recommendations, and passed successfully the audit for compliance with ISO

12944 «Paints and varnishes — Corrosion protection of steel structures by protective paint systems».

At the present time ZTR can state with complete certainty that painting works at the Company are carried out by trained and certified personnel, and also meet International Standards.



ELCOMM CAUCASUS-2018

ZTR took part in the ELCOMM CAUCASUS-2018 exhibition, which was held on the premises of Expo Georgia Exhibition Center in Tbilisi, Georgia, within December 14–15.

This International Exhibition presented the products and the services in the field of energy, electrical engineering, telecommunications and information technology.

Segment of power industry was represented by the companies operating in both conventional and renewable energy sector.

"ZTR has been participating in the exhibition since its foundation, as the market of Georgia is promising and strategically important for "ZTR" PrJSC, therefore it is very significant for us to maintain the quality of the equipment supplied, while remaining the leader in transformer production in this market, - notes Yevgeny

Burmakov, Head of "ZTR" PrJSC Sales Bureau for Transcaucasia area".

For many years, ZTR and various Georgian energy companies have

been fruitfully cooperating in the scope of transformer equipment delivery. In the last 5 years alone, more than thirty units of transformer equipment have been supplied for various facilities in the country rated for total capacity of more than 2,000 MVA. Among the largest deliveries, it is worth noting such projects as Akhaltsikhe SS and Jvari SS, for which ZTR has supplied 500 kV autotransformer banks.

During exhibition, the meetings were held with potential and existing partners, including such major companies of the Georgian power industry market as TELASI, Georgian State Electrical System (GSE), ENERGO-PRO and others. The profound interest as referred to ZTR exhibition stand shows that ZTR equipment is in considerable demand in the Caucasus region, as ZTR has established itself as a reliable supplier of high-quality equipment.

