



Russia requires a national-wide program for corrosion protection as it can minimize the damage to our economy

On April 18 through 20, the ExpoForum hosted the 25th Corrosion Protection International Exhibition and Congress. This year, the event was attended by 8,000 people from 18 countries, namely Russia, Belarus, Kazakhstan, Uzbekistan, Kyrgyzstan, Azerbaijan, China, South Korea, India, UAE, Iran, Pakistan, Italy, Turkey, Estonia, Latvia, Lithuania, and Poland. At the Exhibition, 30 companies presented their latest projects and solutions for the corrosion protection sector.

The Corrosion Protection Exhibition and Congress was opened during the opening ceremony of several dedicated events by **Denis Kravchenko**, the Deputy Chairman of the State Duma Committee of the Economic Policy Board of the Federal Assembly of the Russian Federation, the Executive Secretary of the Bureau of the Supreme Council of the United Russia Party; **Evgeny Vyshemirsky**, Head of Senior Welder Section, Department of Gazprom PJSC; **Dmitry Kobitsky**, Secretary General of the Council of the CIS Interparliamentary Assembly; **Vladimir Katenev**, President of St. Petersburg Chamber of Commerce and Industry; **Dmitry Nikitin**, CEO of RESTEC Exhibition Company; as well as **Sergey Voronkov**, CEO of ExpoForum International.

At the Exhibition, **Chemservice** presented their equipment for corrosion protection of major pipelines and underground facilities; **Pipeline Systems and Technologies** showcased their comprehensive corrosion protection systems for steel pipelines; **Promizolyatsiya** brought their combined protection coating systems intended to protect outer surfaces of steel underground tanks, transportation and differently purposes process pipelines from corrosion; **TALATU** demonstrated their corrosion-proof paint and varnish materials for different industrial sectors; **Farbacoat** took part in the event with their industrial coatings; **PASSATSTAL** presented their steel process pipelines lined with anticorrosion and abrasion-proof coatings, **Zinker** told the audience about their Zinker-class zinc coatings, and this list can go on and on.

The key event of the Exhibition and Congress was the TOPICAL ISSUES OF CORROSION PROTECTION International Scientific-Practical Conference. **Pavel Revin**, Head of the Pipe and Corrosion-proof Coatings at Transneft R&D, announced that the company has started testing a new technology: protective coatings that can be applied underwater.

'The company has got a lab centre in Ufa, where different processes of soil and sea-water corrosion can be simulated. Then, the new materials and technologies are tested in situ. Usually, elements are painted in dry conditions, in caisson boxes, but installing them costs much more than the coating itself, and in some cases such boxes can't be mounted. That's why there's a unique category of coatings that are applied by divers. Today, Transneft is studying these coatings in vitro and is going to start using them. They aren't a similar in every way with the coatings that are to be applied in dry conditions, but they can be used to protect underwater facilities in certain circumstances,' **Pavel Revin** explained.

Denis Dyachenko, Head of Specialized Institute for Corrosion Issues and Material Engineering at Rosneft Oil Company, presented the comprehensive approach to corrosion management. This approach is quite popular abroad.

'Damage caused by corrosion comes to rather major amounts if assessed, which reach 3.5% gross domestic product. If all the countries of the world are considered, the total amount will be overwhelming. The point is we really have to manage certain corrosion processes throughout all the stages of the pipeline equipment life cycle,' **Denis Dyachenko** outlined.

Valery Mityagin, D. Sc. in Engineering, Professor at the 25th State Scientific Research Institute of Chemmotology of the Russian Ministry of Defence, stated that the time has come to switch to the new gen corrosion-proof products. He also declared that there are certain issues with supply of components for the preservative oils they've been using: *'Most of those oils were designed 50+ years ago, and today these technologies are really outdated. There are four preservative oil grades registered in Russia, and our country is currently making only two of them, but they are not perfect. The other two can't be made as we lack the components we used to obtain from abroad.'*

The conference participants highlighted that the economic losses caused by metal corrosion are immense. They spend quite a lot of material and financial resources to deal with corrosion in pipelines, bridges, marine structures, ships, and machine components.

'Because of the possible corrosions, some bearing structures are designed more strong and thick than they could be. This requires more metal and more money. Corrosion-associated expenses come to about 30% from the annual steel production, whereas about 10% of the corroded metal is lost irretrievably as rust,' explained **Vladislav Polkin**, CEO of the Zinc Development Centre.

The experts agreed that Russia requires a national-wide program for corrosion protection as it can minimize the damage to our economy.

In the open presentation zone of the Exhibition and Congress, a series of the usual zincing workshops was presented by Zinker. In the open conference room, the MANAGEMENT TRANSFORMATION IN THE SITUATION OF UNCERTAINTY. VISION AND EXPERTISE THROUGH THE PRISM OF B2G/MAJOR B2B OPERATIONS conference took place. It was arranged by Craft Mind.

25-27

**APRIL
2023**



DRAFT VERSION OF THE BUSINESS PROGRAM
INTERNATIONAL EXHIBITION AND CONGRESS
CORROSION PROTECTION

ATTENTION! Please, mind that the Forum program is subject to change.

The Business Matchmaking Centre was operated during the event. 1,000+ meetings between corrosion-protection suppliers and major industrial as well as oil & gas companies met there. The event was participated by the Abrasive Materials Production Company, DK Spetsstroy, INVACO Group, MASTI-K, SilTEK, Pigment Holding Company, EKM Holding, Industrial Service Technologies, and others.

Along with the Corrosion Protection Exhibition and Congress, the Expoforum hosted the Russian International Energy Forum, as well as the Municipal Housing Complex of Russia International Exhibition and the Svarka/Welding International Exhibition.

The Corrosion Protection International Exhibition and Congress was powered by the Chamber of Commerce and Industry of the Russian Federation, the CentrLak Association of Producers, Suppliers, and Consumers of Paint and Varnish Materials and Feedstock, the Gas Equipment Manufacturers Association, the International Foundation Building Association, the Zinc Development Centre Non-Profit Partnership, as well as the Association of Oil Refiners and Petrochemists.

The key co-organisers to the convention program were Gas Equipment Manufacturers Association and Zinker LLC.

The general media partner was the Camelot Publishing.

The official web-site of the Corrosion Protection Exhibition and Congress: corrosion.expoforum.ru