



September 5, 2019. Shchekinoazot's employees, partners and honored guests at the grand presentation of the new product, dimethyl ether, manufactured at the enterprise.

Larisa Timofeeva.
Photos by Alexey Piryaev.

One of the leaders of the Russian chemical market, Shchekinoazot, together with a major chemical product manufacturer, the international group PCC SE, established the enterprise DME Aerosol as the main project for producing perfume-quality dimethyl ether.

Shchekinoazot and PCC SE Presented Dimethyl Ether

On September 5, the company's friends and Russian and foreign partners, both current and prospective ones, gathered for the presentation of a new manufacturing facility and a new product for Russia.

Shchekinoazot prepared a gift for the honorable guests: prior to the main presentation of the new manufacturing plant at DME Aerosol, everyone could go to the perfume bar, create a perfume to their taste with professional assistance and get the bottle of an exclusive fragrance with a memorable inscription DME Aerosol.

All this was not by chance — aerosol dimethyl ether (DME) can be used in household chemicals and perfumes, as well as aerosol varnishes and paints, seal foams and foamed polystyrene.

The DME project is a special one among the investment projects of Shchekinoazot. It turned out to be a real challenge, another test for the professionalism and capabilities of Shchekinoazot, which the company passed brilliantly.

It should be noted that until recently perfume-quality dimethyl ether was not manufactured in Russia at all and was purchased abroad. In 2012, together with the German company PCC SE, it was decided to establish a production facility of perfume-quality dimethyl ether in Tula and set up a joint venture — DME Aerosol.

"Our first joint venture was the production facility of phenol-formaldehyde resins. Major American company Hexion served as our foreign partner," General Director at Shchekinoazot **Anatoly Surba** says. "Today, we are launching another joint venture to produce aerosol-quality dimethyl ether. That is another step in the development of our company..."

Russia is actively substituting imported goods. DME Aerosol is already the Russian leader in terms of production capacities: it can manufacture 20,000 tons of dimethyl ether per year! The new company employs 38 people — all ultimate professionals.

"It took us a few years for this event to come true," **Oleg Makarov**, General Director at DME Aerosol, says. "The idea to create a joint venture to manufacture dimethyl ether came from our colleagues at PCC SE. DME Aerosol was established in 2012; these years passed quickly and fruitfully. We spent time to study global licenses and settled on the licensor ThyssenKrupp, which is well-known in the chemicals world. It was the one that made it possible to create this enterprise..."



Anatoly Surba

"I want to share with you how we found such a good partner and what needs to be done to make the chemistry between the two partners work," **Alfred Pelzer**,

Vice Chairman of the Board of Directors and Managing Director of PCC SE, says. "Shchekinoazot has the latest equipment. Moreover, the purer the raw material (methanol) is, the purer the dimethyl ether produced. Human potential is also important: we employ top-class professionals only. Together, we have assembled a great team..."

The manufacturing process was launched during the cold season. However, the experienced specialists managed to successfully put the plant into operation and obtain high-quality dimethyl ether.

"When commissioning the plant, our colleagues from Germany and licensors from ThyssenKrupp were worried about how everything would go," Alfred Pelzer continues. We started on December 11, 2018, and by December 17 everything was ready. We got a clean product, and the unit worked like clockwork. On December 19, everyone was able to go home and celebrate Christmas with their families. So, the chemistry between all of us definitely worked. And I truly believe that our plant is currently making the best dimethyl ether in the world!"

Investments in the project amounted to more than 20 mln euros. Shchekinoazot got financial



Alfred Pelzer

assistance from its reliable partner — Gazprombank.

"I would like to thank the entire DME Aerosol team and Boris Sokol personally for the invitation to this wonderful event," **Nataliya Antonova**,

Vice-President and Manager of the Srednerussky Branch of Gazprombank, says. "The project has come a long way, and I am really glad that we traveled all the way together. Since 2015, and to this day, the bank has been a financial partner of DME Aerosol. The collaboration with Shchekinoazot Group is unique for Gazprombank — together, we implement projects with a unique edge. This time our partners established Russia's largest facility for the production of perfume-quality dimethyl ether. Being a woman, I am especially pleased that now we have a chance to use Russian-made perfumery of the highest quality. It is important that high-level processing facilities are being developed and the most advanced global technologies are being introduced in Tula."

"We are really proud to be a part of this success," **Vyacheslav Okhotin**, Vice President and Head of the Department of Oil & Gas and



Nataliya Antonova

Chemical Industry Funding, says. "We would like to congratulate DME Aerosol, Shchekinoazot and PCC SE for this great success. We believed this would happen. And now we see with our own eyes what a high-tech, modern, environmentally friendly and highly profitable facility you managed to create. We are ready to be your reliable financial partner in all your future endeavors."

In May 2019, Shchekinoazot's German colleagues and the licensor tested the performance of the facility under different load modes — from 30 to 100 %. The test was passed with flying colors. Today, DME Aerosol is ready to not only work at its design capacity but also exceed it. Moreover, the company is ready to expand the geography and volume of product supplies.

Shchekinoazot is already witnessing growing interest of manufacturers in products from DME Aerosol, whose licensor (ThyssenKrupp Uhde) enjoys a top status in the business world.

At the moment, DME Aerosol is Russia's largest manufacturer of this product. Now current and prospective clients of Shchekinoazot have the opportunity to buy top-quality DME directly from the manufacturer at an affordable price and with delivery in the shortest time possible.



Vyacheslav Okhotin