

PPG's first greenfield plant built in Russia

PPG, GLOBAL SUPPLIER OF PAINTS, COATINGS AND OTHER MATERIALS, HAS A LONG HISTORY OF COLLABORATION WITH TEBODIN. WE HAVE WORKED TOGETHER ON PROJECTS IN THE NETHERLANDS, BELGIUM, POLAND, CHINA AND VIETNAM. BUT THIS ONE WAS SOMETHING DIFFERENT. THE NEW RUSSIAN PAINT AND COATINGS PLANT PRESENTED SOME UNIQUE CHALLENGES FOR PPG AND OUR ENGINEERS.



PPG plant in Lipetsk

In 2013, PPG approached Tebodin with an ambitious goal: to build a brand new plant in the Lipetsk region that could produce hundreds of coatings for four business units simultaneously.

Unusual challenges

Alexander Neyaglov, PPG's Process Engineer, explains: 'Before, our manufacturing plants were specific to each business unit. When we came to the Russian market, the challenge was to combine those four business units into one site.'

The project required the development of a new technology to isolate coating production areas, to prevent ingredients needed for specific paints to interfere with others (for example, silicone in automotive paints may cause dimples and craters).

Brand new plant

'This project was extremely important for PPG, as for multiple decades we've been investing in brownfield production plants in EMEA. Lipetsk plant was the first one in the last 20 years to be a greenfield project. Taking into account PPG's quality standards and the size of the plant, this was a big challenge to us. We managed to build the plant in three years, which is a great result for this huge production plant', says Alexander Neyaglov.

'We also paid a lot of attention to the confinement of the processes in the plant, making sure that the only thing that gets out of the plant is the end product. We invested in an air treatment unit that cleans the released air, the solvents used for cleaning the machines are recycled, and the plant is one of the first to produce water-based

paints in Russia for some specific enduses', Alexander adds.

Team effort

The PPG project united about 30 Tebodin engineers from several locations. Tebodin Project Manager Oleg Ignatov was impressed by how well they came together as a team: 'Over the years, we had different project managers and colleagues involved. It took a lot of cooperative teamwork and commitment to the project.'

Construction Manager Denys Ivanov affirms PPG's satisfaction with the result: 'We worked together during the whole project - from the design stage up to the operational license. We really appreciated the Tebodin team being on site. This was very helpful for organizing and smoothen the process.' ■