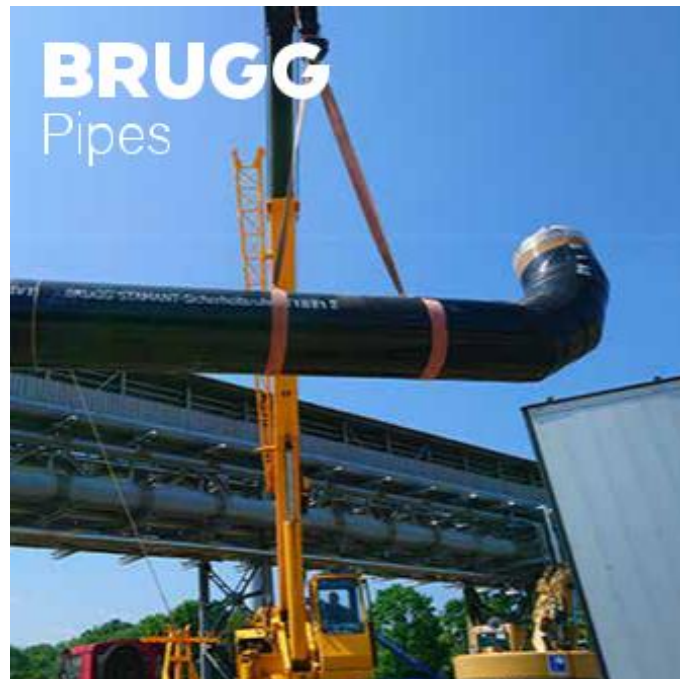


Comprehensive services in project activities from the study to the project design, as-built documentation, including turnkey deliveries.

TIME-TESTED PARTNERSHIP BRUGG Pipes - CHEMPROCES

Our company CHEMPROCES since its foundation in 1998 has been representing the Slovak and Czech market BRUGG Pipes, a German manufacturer of single and double wall piping systems. Double wall piping systems are continuously monitored by system SGB (Germany). The pipes are either flexible, FLEXWELL® type or STAMANT® classic rigid, type. They are suitable for the transport of media that are hazardous to the environment and health or are explosive and aggressive. These are mainly fuels, oils, waste water, methanol, solvents, thinners, acids, etc. During our long-standing mutual cooperation we have carried out a lot of successful projects.



In between of the most significant projects with BRUGG Pipes are:

Relocation of single- and double-wall pipelines STAMANT® DN 80 - DN 300

Terminál Slovnaft Horný Hričov
media: diesel, gasoline, oil

Delivery and installation of double-wall pipelines STAMANT® DN 150 a DN 200

Areál Slovenskej plavby a Prístavu v Bratislave
media: gasoline, diesel

Delivery of flexible pipelines SECON-X DN 50

ŠKODA Mladá Boleslav a ŠKODA Kvasiny
media: gasoline, diesel, coolant, washer fluid

Delivery of flexible pipelines FLEXWELL®

Compressor station in Ivanke pri Nitre
media: mineral and synthetic oil



Long-standing cooperation with BRUGG Pipes means a lot to us of successful projects.

We have now completed a project for D4/R7 Construction that we have been working on since January 2020.

It is the relining of double-wall fixed pipes STAMANT® DN 50 - DN 700 with continuous leak indication, for Slovnaft, media : wastewater, pressurized condensate, fire and drinking water, NaOH, high pressure steam.

Due to the construction of the R7 expressway in Bratislava, it was necessary to use double-wall pipelines with continuous leak indication of the transported substance instead of the original single-jacketed pipelines. The pipelines leading from the Slovnaft refinery to the Mechanical Biological Wastewater Treatment Plant across the new R7 expressway. For this reason, it was necessary to convert them to a double-wall system and at the same time to relocate them from the original routes to the new ones. Part of the new double-wall pipes runs along the original reinforced pipe bridge and part is routed in a new collector under the road. It was very important to communicate and pass on all our experience with the STAMANT®

already in the preparatory design part to the main designer (Dopravoprojekt), the investor (D4R7 Construction) and the pipeline operator (Slovnaft), so that no problems would arise during the installation that would jeopardize the actual execution of the work or shift the schedule of the works. The pipelines are in continuous operation, and we had to work out a schedule of "sharp changeovers" in cooperation with the operator, when we had a maximum of 24-48 hours to dismantle the old and reconnect the new pipelines so that the operation of the refinery would not be jeopardised. With dimensions up to DN 700, this was not easy. However, in cooperation with our subcontracted installation companies, we managed to successfully complete what the investor himself described as "the most complicated section" of the construction of the new R7 expressway. During the execution of the construction, our company benefited from our many years of experience and contacts from the numerous projects and works we have carried out for the Slovnaft refinery over the past 20 years.



The work in question conforms to the highest standards in terms of technical design as well as maximum protection of the environment and protection of human health.

If your company is also facing the problem of design and supply of any piping, please do not hesitate to contact us. We will be happy to provide you with our 30 years of experience in technical solutions for the transport of hazardous and inflammable media.

REPLACEMENT OF DOSING PUMPS FOR THE ORLEN UNIPETROL REFINERY

In the first half of this year we successfully completed the project "Replacement of steam condensate dosing pumps" for **ORLEN Unipetrol** group. **ORLEN Unipetrol** is part of the largest petrochemical group in Central Europe and belongs to the **PKN Orlen Group**.

Our company developed the project documentation and subsequently provided the supply and installation of single-head dosing pumps according to API685 standards, fittings, accessories, and piping routes. All deliveries and works were carried out during full operation.

It was our first implementation for the **ORLEN Unipetrol Group** and we believe that after the investor's complimentary words we will be able to acquire further contracts.



CONSTRUCTION OF A LARGE-CAPACITY AVIATION GUEL STORAGE TANK FOR M. R. ŠTEFÁNIK AIRPORT IN BRATISLAVA

One of the most important projects of our company in the last period is undoubtedly the delivery of the large-capacity tank N12 at the "M.R. Štefánik Airport" in Bratislava. The purpose of the entire project was to increase the storage capacity of JET A-1 aviation kerosene by building a new large-capacity double-bottom tank with a nominal volume of 1500 m³. The project consisted of the preparation of the design documentation for the building permit and the detailed design documentation, including the manufacturing documentation for the tank. This design work was carried out in 2011. Subsequently, in 2014, we carried out the delivery and installation of the double-bottomed tank as a turnkey project. The double bottom is continuously monitored by an SGB under-pressure indication system for potential leaks of the stored medium. The fuel unloading system is by a floating suction in the tank according IATA standards.

The entire installation and all deliveries provided by our company meet the highest technical standards while complying with the most rigorous requirements for environmental protection and protection of human health.



According to IATA standards the tank floating suction ensures the JET-A1 fuel is skimmed from the surface and not from the bottom of the tank thus achieving maximum purity of the fuel being loaded into the aircraft.



Vertical storage tank with nominal capacity of 1500 m³, double bottom, continuously monitored by SGB under-pressure leak detection for potential leaks of the stored medium.