

40 years of know-how

BRUGG-STAMANT® safety piping as a connection line from the SLOVNAFT refinery to the Horny Hricov Terminal, Slovakia



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“We got the contract for the SLOVNAFT project because of already existing know-how and it was an important reference in the Slovak Republic. Thanks to this reference our companies delivered a further 811 m of BRUGG-STAMANT® safety piping in 2010 for the project “Port on the Danube” in Bratislava. With the need for retrofitting equipment, two more projects are expected on top of this within the next three years.”

The rebuilding of the Horny Hricov Terminal has been under discussion since 1997, when the first studies on re-routing the piping from the upper to the lower plant of SLOVNAFT were carried out. The lower SLOVNAFT plant in the Horny Hricov Terminal served as a distribution centre for petrol stations in Central and Eastern Slovakia, while the upper plant was used as the state material reserve. Following a number of changes in the SLOVNAFT refinery, the Horny Hricov Terminal was re-evaluated as the storage facility of the state material reserves of the Slovak Republic. The necessity to re-route the piping between the two plants resulted from the extension of the motorway from Bratislava in the West to Kosice in the East. This motorway ran over the piping connecting the two plants. In order not to hinder operations it was necessary to re-route the piping so that the motorway routing would not have to be taken into consideration in the event of reconstruction work being needed.

This project was supposed to have been realized in 1989, but due to political changes and the current financial strictures the building of the

The pipe routing with fixed anchor point



Fitting the external protective sheathing to the BRUGG-STAMANT® safety piping

motorway was delayed. The project was postponed and the contract between the general contractor DOPRASTAV AG (one of the three biggest construction companies in Slovakia) and CHEMPROCES GmbH was only signed in May 2006.

Even before the contract was concluded CHEMPROCES had already solved all the technical and commercial issues connected with the project together with BRUGG Rohrsysteme. Consultations were also held in Wunstorf with the general project leader. Double-walled BRUGG-STAMANT® safety piping including leak detection monitoring as well as single-walled steel piping was chosen for use in this project.

Laying the piping using heavy machinery



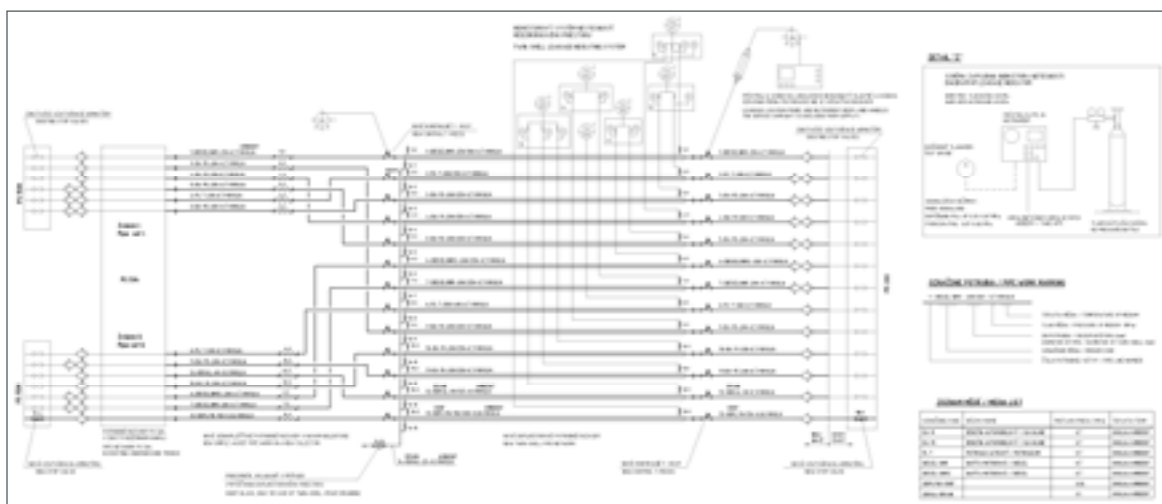
Solutions for the future

BRUGG-STAMANT® safety piping as a connection line from the SLOVNAFT refinery to the Horny Hricov Terminal, Slovakia

The project for the piping connecting SLOVNAFT with the Horny Hricov Terminal consists of 13 lines of BRUGG-STAMANT® double-walled safety piping laid below the surface. The investor made it a condition that all the piping should be delivered by a single supplier. That is why BRUGG also supplied the single-walled pipes which were fitted on the consoles in the concrete collector. 4,446 m of double-walled piping and 1,611 m of single-walled piping were supplied, with dimensions ranging from DN 80 to DN 300. Transport media are petrol, crude oil and gas. DLR-G 8 S positive pressure leak detectors are used.

The bedding of the piping proved a rather complicated affair. The pipes had to be laid on a steeply sloping bed with a high ground water level. To secure the pipes, two massive concrete foundations were therefore constructed as anchor points to prevent any slippage of the piping.

Installation work started in September 2006 and was successfully completed in May 2007. Presently the piping has been in service for over three years.



Laying plan with leak detection system.

To contact us and for further information, please fill in the following details and send them by fax to +49 (0)5031 170-170.

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