



### Editorial

Dear readers,

In this June 2013 issue of the Newsletter I am reporting on the "Water Exhibition" event enjoyed by many trade visitors on the occasion of WASSER BERLIN INTERNATIONAL 2013. There is also a presentation of some newly constructed water pipelines with and without restrained push-in joints. And one report looks at the use of driven ductile iron piles as foundation elements for a building in Vienna.

Have an enjoyable and stimulating read,  
Sincerely yours,



Raimund Moisa



## Ductile iron pipe systems attract visitors at the WASSER BERLIN INTERNATIONAL 2013

Once again this year the exhibition stands of the member companies of EADIPS®/FGR® were the main attractions at the WBI from 23 to 26 April 2013. International professionals and numerous German visitors showed an interest in ductile iron pipe systems which are able to provide a technically safe and durable solution for water management tasks. 31,000 visitors (+10%) from 35 countries (+5%) came to Berlin.

♦ The successful "Berlin International Water Exhibition" site day was held on 25 April 2013. In keeping with the idea that "hands-on experience" aids understanding, 633 trade visitors were given some practical information about modern trenchless installation techniques using BLS®/VRS®-T ductile iron pipes with restrained joints and robust cement mortar coating (ZM-U). The various trenchless installation techniques were explained to trade visitors on site by skilled employees of the client, Berliner Wasserbetriebe, as well as the building contractors and pipe manufacturers. With environmentally sound trenchless construction methods, ductile iron pipe systems offer true sustainability.



♦ In the Hanseatic City of Stralsund, the pipes are being renovated in Ziegelstraße. Beneath the Rügen dam bridge, REWA Regionale Wasser- und Abwassergesellschaft Stralsund mbH are replacing 150 metres

## New ductile iron pipes on the way to the island of Rügen

of DN 300, C 40 drinking water pipes. REWA has opted for "Zink Plus" ductile iron pipes, in other words ductile iron pipes with a zinc/aluminium coating. Longitudinal forces are dealt with by TYTON SIT PLUS® joints from the proven BRS® range. This type of joint is easy to install and easy to bend. With a 3° angular deflection in the joint, 6 m long DN 300 pipes

can be moved 30 cm out of the axis of the pipeline; special fittings for bends are not needed. The pipe run follows the bend in the road. With the new ductile iron pipeline, security of supply is guaranteed for many decades despite the heavy goods traffic going to and from the industrial districts.

## Ductile piles give stability to the foundations of the Bestattung Wien building



◆ In 2012 Bestattung Wien GmbH invested in new company buildings in the Simmeringer Hauptstraße. Things were going to move quickly – only four weeks were allocated for foundation work in

the construction schedule. Considering the conditions of the terrain at the Simmeringer site this was an ambitious challenge. The loess soil with its fine sandy silt does not offer sufficient stability for foundations. However the stability problem was able to be elegantly solved by using driven ductile iron piles. The crucial factors when awarding the contract were a short delivery time and minimal ground disturbance by the technical equipment needed.

Four weeks amount to an extremely short construction window in which to drive 331

pressure-grouted ductile iron pipes with different loading capacities and different diameters. In addition to the famously good workability of ductile iron piles, it was also thanks to NGT Neue Gründungstechnik Spezialtiefbau GmbH and their experienced project manager Friedrich Maier that this project for Bestattung Wien was able to be completed within this short time. The construction of the building itself, with VASKO + PARTNER INGENIEURE from Vienna being responsible for general planning, was able to commence as planned at the beginning of 2013.

## New drinking water pipeline for the main K 48 road in Neuenkirch, Switzerland

Because of increased traffic volumes and traffic hold-ups at the level crossing caused by more frequent trains on the SBB Lucerne-Olten-Basel line, the K 48 cantonal road in Neuenkirch needed to be replaced.

### Dates for your diary

**19–21 September 2013**

BWK Conference,  
Stralsund

**23–24 September 2013**

DWA Conference 2013,  
Berlin

**30 September–01 October 2013**

wat 2013,  
Nürnberg

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◆ Parallel to the new road construction, a new water transport pipeline has also been laid by the water supply cooperative of Neuenkirch. The total length of the new vonRollecopur ductile iron pipeline is 850 m, with 580 m DN 200 and 270 m DN 150, K 9. In addition VS5000 full-protection gate valves with integral thick epoxy resin coating to RAL GZ 662 and, for the extinguishing water requirement, 5000S vonRoll-hydrants with the VARIO lower part were used. The choice

of material for the PFA 16 drinking water pipeline went to vonRollecopur ductile iron pipes with polyurethane lining to EN 15655 and polyurethane coating to EN 15189, because of their very high strength characteristics. The vonRollecopur pipes with reinforced coating (PUR) to EN 545, known as full-protection piping, guarantee unique corrosion protection and long-term security in all installation situations.

