



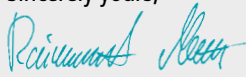
Editorial

Dear readers,

In this March 2014 issue of the Newsletter I can announce that EADIPS®/FGR® and its members will be represented with exhibition stands at the IFAT 2014 International Trade Fair. I am also reporting on the construction of new water pipelines, one as a replacement measure and one in the context of a development project. And ductile iron pipes also showed their practicality for the installation of a penstock for a hydroelectric power station. Sustainable construction with ductile iron pipe systems!

Have an enjoyable and stimulating read.

Sincerely yours,



Raimund Moisa



resources. innovations. solutions.

5–9 May 2014

World's Leading Trade Fair for Water, Sewage, Waste and Raw Materials Management

EADIPS®/FGR® and member companies at IFAT 2014

◆ EADIPS®/FGR® and its member companies will be showcasing their talents at the IFAT 2014 International Trade Fair from 5 to 9 May 2014. EADIPS®/FGR® will be represented with its own stand, stand number 337 in Hall A 1. We look forward to your visit so that we can talk with you about the latest applications for ductile iron pipe systems. EADIPS®/FGR® will also be giving a presentation in the Trade Fair Forum on Water and Sewage:

Thursday, 08.05.2014, Hall A 5, 13:30–14:00 hours
Ulrich Päßler, Dipl.-Kfm.

“Ductile cast iron creates value”

The member companies of EADIPS®/FGR® will be represented at IFAT 2014 with their own exhibition stands and will be showing their latest product developments and their application possibilities. The following link www.eadips.org/ifat_2014 will take you to information about the halls and the stands where you will find our members.

Ductile iron pipes in Rheinallee, Mainz

◆ In the process of replacing a drinking water pipeline in Rheinallee, Mainz, between May and the end of September 2013, ductile iron pipes were installed with TYTON SIT PLUS® push-in joints and cement mortar coating; 700 m DN 500, 180 m DN 600 and 714 m DN 200.

The progress of the construction project had to be closely coordinated with local businesses so that access to their premises was always ensured. The pipeline runs beneath the tramway, the dock railway and the tracks of the Schott company. It was being replaced by the Mainz public utility com-

pany responsible for the security of the water supply. The oldest piping dated back to the year 1886. During the course of the work of replacing the drinking water pipeline, a DN 225 low-pressure gas line (PE-HD) over 600 m and a DN 300 high-pressure gas line over 700 m were also installed. Planning and construction management were carried out by Becker & Partner GmbH from Bad Soden-Salmünster and the Rheinhessen planning group from Mainz was responsible for coordinating the civil engineering work.



Goldingen development project with the new Schlosshügel reservoir

◆ In order to improve security of supply, the community of Goldingen in the Canton of St. Gallen is extending its water supply network. The work includes a new pumping station, a new reservoir and a new pressure line. From the newly constructed Schlosshügel reservoir, a new supply pipeline has been laid to connect up the hamlets of Tann, Bannholz, Auenhof and Gibel. In addition, ten pillar

hydrants have been installed for the supply of extinguishing water. The gradient of the terrain, which was 78% over 1 km, meant that the ductile iron pipes had to be transported by helicopter. The DN 125 C 64 vonRoll ECOPUR full-protection pipes with reinforced coating to EN 545 have integral internal and external polyurethane coating. They are equipped with the

tried and tested vonRoll HYDROTIGHT restrained push-in joints. In each case, 6 pipes were assembled at a central storage area to form a 36 m long section and then, without any interim storage, this was flown direct by helicopter to a point above the prepared trench, released and installed. Concrete beams were arranged along the way to prevent the iron pipes from

slipping in the steep terrain. Because of possible rockfalls and rocks which might be in the bottom of the trench, the ductile iron pipes are protected with vonRoll ROCK protection coating. This means that the existing coarse excavation material can be reused for bedding the pipes and back-filling the trench.

Bridge pipes for the Abwinden-Asten power station

◆ For the above-ground section of a pressure pipeline at Abwinden-Asten Danube Power Station near Linz in

Upper Austria, 480 m DN 400, VRS®-T, PUR LL ductile iron pipes were used. The pipeline runs alongside the hydroelectric power station building.

4 transition points have been produced as fixed points between the above-ground and underground sections of the pressure line. In the area of the power station, the pipeline follows the existing geometry and the changes in direction necessary for this are used to compensate the changes in length produced by seasonal factors. The pipeline has been constructed with a slight gradient of about 1‰ over its entire length to enable it to be drained. The actual drainage takes place in the underground part to the plant belonging to Linz Service GmbH. A particular challenge during construction was the fact that, despite the limited space available (in some cases



only a lane width), the power station dam had to be passable for emergency vehicles at all times throughout the entire 5-week construction time. At some points the pipes are beneath the parapet of the bridge. In addition, 30 sections of plain ended pressure pipe (PEPP) in special lengths (e.g. PEPP DN 400 x 2320 mm) and 38 DN 400 bends had to be supplied at short notice because of unforeseeable construction situations.

Dates for your diary

08–09 April 2014

DVGW Forum on elements of water supply networks, Bad Honnef

27–29 April 2014

EADIPS®/FGR®-FIHB Conference for College and University Teachers 2014, Vienna

05–09 May 2014

IFAT 2014, Munich

Imprint

European Association for Ductile Iron Pipe Systems · EADIPS®/ Fachgemeinschaft Guss-Rohrsysteme (FGR®) e.V.

Im Leuschnerpark 4

64347 Griesheim/Germany

Phone: +49 (0)61 55/60 52 25

Fax: +49 (0)61 55/60 52 26

E-mail: info@eadips.org

www.eadips.org

Press date: 24 March 2014

Production: schneidermedia.de

