



Editorial

Dear readers,

In this February 2014 issue of the Newsletter I am reporting on two new members of EADIPS®/FGR®. Other contributions look at a water pipeline which was fixed onto consoles in a jacked protective conduit, the stabilisation of an embankment with ductile iron driven piles and the installation of ductile iron pipes using the burst-lining process. This sums up the installation of ductile iron pipe systems: simple, fast and secure!

Have an enjoyable and stimulating read.
Sincerely yours,



Raimund Moisa



AkzoNobel

Akzo Nobel is a leading global manufacturer of paints and varnishes and an important producer of special chemicals.

The company is based in Amsterdam, in the Netherlands. Akzo Nobel employs 50,000 people in more than 80 countries.



VAG-Armaturen GmbH is a new full member of EADIPS®/FGR®

Since 01.01.2014 VAG-Armaturen GmbH has become a full member of EADIPS®/FGR®.

♦ VAG-Armaturen GmbH is a German manufacturer of valves, principally for the water industry. For more than 140 years VAG has been a byword for the production and maintenance of high-quality valves in the water and sanitation sector. With more than 20 distribution centres and 6 production locations, VAG is a real global player.

VAG-Armaturen GmbH stands for quality awareness, reliability, good results, progress and a way of thinking which focuses on problem solving. These values form the basis of the VAG corporate philosophy. The areas of application of VAG spheroidal graphite cast iron products include water treatment, water distribution, sewage disposal, dams and hydropower, power stations, industry, pressure management and gas. VAG supplies pretty much the entire range of valves for these areas of use and, with its many support points, takes on servicing tasks across the world ranging from assembly and maintenance to the delivery of spare parts.

Akzo Nobel Powder Coatings GmbH is a new sponsoring member of EADIPS®/FGR®

♦ A significant subsidiary, Akzo Nobel Powder Coatings GmbH, has been a sponsoring member of EADIPS®/FGR® since 01.01.2014. At its location in Reutlingen, Akzo Nobel Powder Coatings GmbH has been developing and producing epoxy-resin powder coatings for more than 30 years for

- the heavy-duty corrosion protection of cast iron valves and piping systems for the transport of drinking water, oil and gas,

- the corrosion protection of reinforcement steel,
- electrical insulation and electronics.

Resicoat R4 powder coatings have been specially developed for contact with drinking water and for use in the sewage sector. It has worldwide approvals for use in drinking water installations and also for gas and biogas.

Water supply with ductile iron pipes for the new vehicle safety technology centre at the Sindelfingen works of Daimler AG



◆ In the context of the construction of a new technology centre for vehicle safety at Daimler AG, as a preparatory measure the public utility com-

pany of Sindelfingen has laid a DN 400 main water pipeline over a length of 1,300 m. Ductile iron pipes with the proven cement mortar coating were used for 1,200 m of this length, installed using the open trench technique. Approximately 100 m of jacked protective conduit was a civil engineering challenge for the contractors, JR Haakshorst Rohrtechnik GmbH + Co. KG from Filderstadt. The ductile iron pipes

on consoles were fixed to the side wall of the jacked conduit: a solution which was both simple and practical in order to achieve rapid and sure progress. By the middle of 2016 a 273 m long, 172 m wide and up to 23 m high building will come into being. In total the vehicle safety technology centre will have a floor area of 55,000 m² at its disposal and it will thus be the source of many jobs in the region.

Ductile iron driven piles stabilise an embankment on the Vienna Outer Ring

◆ In the process of developing the Vienna Outer Ring expressway S1, extensive stabilisation measures were necessary in the section of road between Inzersdorf and Vösendorf. In order to secure the embankment the developer, ASFINAG, decided to use ductile iron driven piles. The piles were driven into the embankment with the help of a berme in order to reduce

the pressure of the earth on the foot of the embankment. The piling contractor, "Grund-, Pfahl- und Sonderbau GmbH" had to invest a great deal in terms of coordination as the berme had to be shifted in successive stages by an excavator taking the soil from the crest of the embankment down towards its foot and in parallel with the pile construction, the installation of stones was commenced. Excellent planning was also required in order to in-



stall the 139 ductile iron driven piles in the time specified. The robust ductile iron driven piles, which can be driven without complications even in areas where space is tight, made the progress of the work for stabilising the embankment considerably easier.

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

Issued by/Copyright:
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

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

E-mail: info@eadips.org

www.eadips.org

Press date: 20 February 2014

Production: schneidermedia.de

Trenchless installation of ductile iron pipes for the protection of wild animals in the Wildnispark Zürich

◆ The Langnau am Albis water supply company needed to replace old asbestos cement DN 100 pipelines with new vonRoll ECOPUR DN 125 ductile iron pipes with reinforced polyurethane (PUR) coating. Because the pipeline was to run beneath a wild animal enclosure and some trees worthy of protection in the route along the main road, the only possibility was trenchless installation using the burst-lining process. The vonRoll ECOPUR full-protection pipes to EN 545 have

integral internal and external polyurethane (PUR) coating in accordance with EN 15655 and EN 15189. The sockets of the ECOPUR pipes were protected during the pull-in process with steel sheet protective cones. Because of the integral PUR coating and the HYDRO-TIGHT push-in joints, rubber or shrink-on sleeves were not necessary. The 500 m long line was replaced in five stages.

