



### Editorial

Dear readers,  
 In this May 2014 issue of the Newsletter I am reporting on our 2014 university lecturer conference in Vienna and our participation at IFAT 2014 in Munich. Our thanks go to the university lecturers who took part, Vienna Water and the international visitors to the fair. There are also reports on applications of ductile iron pipe systems, firstly as a rainwater piping system in an industrial complex and secondly as a pipeline for the transport of seawater for regenerative heat recovery, as well as one on a power station pipeline.

Have an enjoyable and stimulating read

Sincerely yours,



Raimund Moisa



## FIHB and EADIPS®/FGR® with a joint seminar for university lecturers in Vienna

◆ University lecturers in water resources management were the guests of EADIPS®/FGR® and the municipal waterworks department of the City of Vienna in the context of the activities of the association for the promotion of information on the construction industry to university lecturers (FIHB). The objective of the two-day event held in the old valve chamber of the Vienna waterworks, which is a listed building, was to describe the ways in which ductile iron pipe systems have developed over the course of time. An important role has been played here by the work carried out in close cooperation between the management of the Vienna water supply network, institutes of the Technical Universities of Vienna and Graz and the pipe manufacturer Tiroler Rohre GmbH in order to develop a condition-based maintenance strategy for the 3,000 km long Vienna piping network. This included some thoughts about the repair and maintenance of valves. Professionals in pipe manufacturing circles presented developments on the subject of trenchless pipe-laying, modern coating technology and the use of ductile cast iron pipe systems for energy-efficient construction.

## IFAT 2014 increases awareness of EADIPS®/FGR®

◆ EADIPS®/FGR® and its member companies were very happy with the response re-

ceived from IFAT 2014. Visitors from all over the world came to find out about ductile iron pipe systems and their multiple areas of application in the water industry.

The economic, ecological and technical advantages of ductile iron pipe systems were presented to visitors of the fair on 08.05.2014 in Hall A 5 by Ulrich Päßler (graduate in business studies and chair-

man of EADIPS®/FGR®) in a talk entitled "Ductile cast iron creates value". The main point of the presentation was the supreme sustainability of ductile cast iron as a material. Professionals from across the world came to the EADIPS®/FGR® exhibition stand for an intensive exchange of ideas.



## Ductile sewage pipes for the toughest of challenges!



◆ For more than 60 years Eisenhüttenstadt has been a well-known location for steel production in Brandenburg. In

addition to the iron and steel works, ArcelorMittal Eisenhüttenstadt GmbH also operates a hot and cold rolling mill in Eisenhüttenstadt.

Because of very high traffic loads, such as the transport of enormously heavy sheet steel coils, DN 150 to DN 500 ductile iron pipes to EN 598 with TYTON® push-in joints and high-alumina cement mortar lining were used for the new rainwater systems on the fac-

tory premises. Pipes in ductile cast iron are deformable under load and, with the flexibility of the push-in joints – even at the manholes with manhole connectors – they offer an important degree of additional security even when unplanned loads are applied. The pipes are easy to install in a way which is compatible with the system and ensure that construction progresses rapidly.

## Transport pipeline for heat from seawater at Tour-de-Peilz on Lake Geneva

◆ In La Tour-de-Peilz, close to the Swiss tourist region of Vevey-Montreux on the North bank of Lake Geneva, an approximately 12 km long heat transport pipeline is being constructed for around 300 buildings using von-Roll ECOPUR and DUCPUR DN 200 to DN 700 pipes

in ductile cast iron. The seawater, at 4°C taken from a depth of 70 m, transfers its energy content into a heat exchanger on a primary circuit and then it is again separated by individual heat exchangers into a number of secondary networks for each building. In each property, decentrali-



sed heat pumps raise the temperature up to the level required for heating.

### Dates for your diary

#### 24 June 2014

11th Sewage Construction Conference, Braunschweig

#### 18–20 September 2014

BWK Federal Congress 2014, Freiburg

### Imprint

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## Power station investment follows the principle of sustainability

◆ The Liechtenstein Energie GmbH & Co. KG company relies on energy from small hydropower plants. To date this subsidiary of the Prince of Liechtenstein Foundation has already been operating two small hydropower stations in the Styrian district of Kalwang. Now a further one has been added with the plant at Feistererbach with an output of 680 kW. The Feister power station is a high-pressure power station. At 1,200 m above sea-level, 225 l/s feed water is collected by means of a Tyrolean weir and routed through a double-chamber sand trap. The total length of the pipe run is around 3,750 m. The operator in Kalwang

opted for pipes in ductile cast iron, DN 400, VRS®-T, PUR Longlife. A high degree of reliability thanks to proven pressure resistance, robustness and a long working life, as well as ease of installation were the arguments which were in favour of the ductile iron pipe system. The pipeline was installed by RUMPF Bau GmbH from Murau. No special bedding material was needed. This meant that it was possible to complete all of the construction work in only 7 months.

