

**ELGEF Plus – Large dimensions**

# Maximum flexibility with PE pipeline systems

Expansion of the drinking water supply network,  
PE transport lines ensure a long service life,  
Amstetten, Austria



Reliable connections with ELGEF Plus  
couplers ensure a long service life of  
PE transport lines

+GF+  
ELGEF Plus



# Durable and reliable – ELGEF Plus couplers

Stadtwerke Amstetten in south-west Lower Austria supplies the region's inhabitants with clean drinking water. The Amstetten water supply company is living up to its responsibility for water as a vital resource by expanding its pipe network, stage-by-stage, in order to supply future generations with top-quality drinking water.

## Project background

The 250 km long supply network of the public utility Amstetten supplies drinking water to the region's 25,000 inhabitants. As part of a five-year network expansion project, a new 2.2 km transport line with a diameter of 400 mm is being routed through the city between a well water system and the central reservoir. As the project progresses, the line will also have to pass under railway tracks in a later section. Consequently, a long service life, resistance and flexibility are the essential requirements for this new transport line.

## Selected technical solution

To ensure the greatest possible flexibility and service life, the water utility Amstetten decided on corrosion-free SDR17 polyethylene pipes with a diameter of 400 mm. PE pipe runs weigh less than heavy cast pipes and much easier to handle, both in urban areas and in trench shoring operations. ELGEF Plus couplers are used to connect to fixed points and to ensure the dimensionally-accurate fitting of dissimilar sections.

## Accomplished improvements

The pipe installation engineers from the water company Amstetten found the easy overthrust of the ELGEF Plus couplers with active reinforcement a welcome improvement. This simplified procedure made pipeline construction fast and easy. The high product and connection quality of the ELGEF Plus couplers and the PE pipes guarantee the water utility company a trouble-free and non-corrosive operation of the transport line. The supply of clean drinking water for future generations is therefore ensured.



The extra-large inner diameter of the coupler allows easy assembly.



Integrating a 12m long PE pipe in a trench shoring operation.

## Customer benefits

- Durable, corrosion-free PE pipe network.
- Meets stringent hygiene standards and is permanently airtight.
- Lightweight PE pipes are easy to handle in narrow trenches (urban areas/trench shoring operations).
- The active reinforcement of the ELGEF Plus couplers allows a simple, fast connection.

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