iMPREG – who we are

• One of the world’s leading manufacturers of GRP liners
• Founded in 1999
• Headquarter and production located in South-West Germany
• More than 100 employees at present

iMPREG – what we offer

• High-end facility with latest production technology
• Most comprehensive liner portfolio up to DN1600 – specialized in big dimensions
• Annual liner production < 400 km

iMPREGLiners: GL01 and GL13

The best of both worlds: GL16

• GL16 will cover the whole bandwidth
• Finer graduation of wall-thickness
• more thickened again – does not saponify as quickly
• arrangement of the layers/the structure is identical for the GL13
glass fabric, with a weight of 850 g/m², is identical to the fabric that is used for the GL01
• handling is virtually the same as with the GL01
• inner surface will be even finer, similar to the GL01
• GL16 can be folded more easily and cut more easily with the cutter blade

Available from May 2017!
Project Bahrain
Rehabilitation of Foul Sewerage
Phase 2 + 3 + 6 (CIPP)

approx. 16.2 km iMPREGLiner
DN 150 – DN 400

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Project Bahrain: Special conditions

- Extreme water infiltration
- Lack of space
  - Very narrow inner-city streets
  - Partial very small manhole access (DN 800 and smaller)
- Extreme temperature variation (day-to-night)
- Local regulations
  - E.g. only nightwork on avenues

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tubus GmbH

- Leipzig, Germany
- Trusted iMPREG partner since 2010
- Close and successful cooperation
- Installation of several thousand meters of iMPREGLiners in all dimensions

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tubus in Bahrain

- tubus works in Bahrain since 2011
- Before 2014 subcontractor for beton & rohrbau in the field of berstlining, short tube relining and restoration of manholes (injections & repolishing with EP-filler)
- Since 2014 also active in CIPP relining in Bahrain and cooperation with beton & rohrbau (use of own equipment such as UV rig, CCTV, HDTV, etc.) in Bahrain

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tubus around the globe

- Afghanistan (coating of a drinking-water-tank with PE-slides)
- Romania (HD + CCTV in preparation of CIPP projects)
- France (150 m CIPP egg 800/1200)
- Bahrain (installation of a slide in PE-pipe DN 1000)

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Solutions for challenging rehabilitation

Professional assistance

- Sales and technical advisory team with longterm branch experience, such as site planning
- Application Engineering team to train new UV-rig teams of our customers and provide assistance in special jobs

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Solutions for challenging rehabilitation

**High-end technique and product**
- Compact installation equipment allows interruption-free execution of construction where space is narrow
- Quickest rehabilitation procedure
- Due to Yellow IMPREG foil all chemical reactions take place completely separately from the environment and possible contact with ground water is prevented

**Project Bahrain - Impressions**
- Tubus’ team UV-rig working at very high temperatures
- Insight view of the UV-rig with control and operation desk
- Night work on Avenue
- Quick and compact installation in narrow inner-city streets
- Preparation for the insertion of the iMPREGLiner
Project Bahrain - Impressions
Insertion of the iMPREGLiner
March 17, 2017

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Project Bahrain - Impressions
Insertion of the light chain
March 17, 2017

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Thank you for your attention!

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