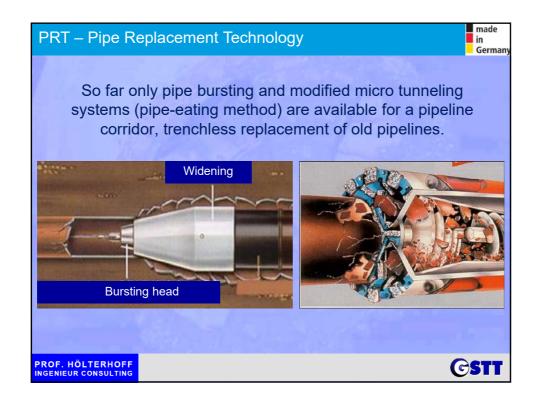
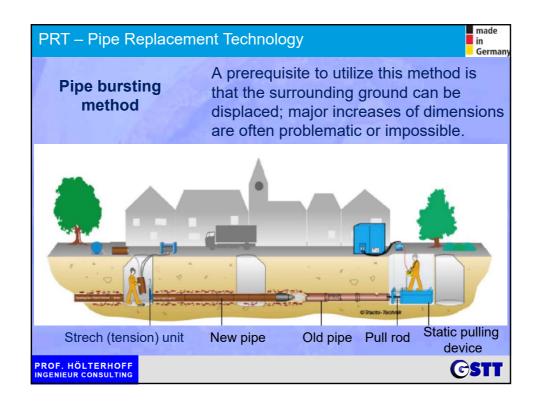
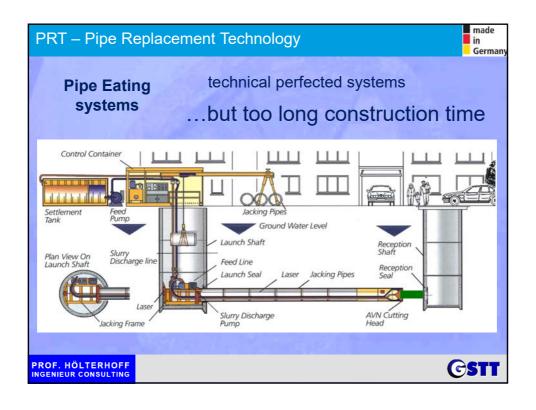
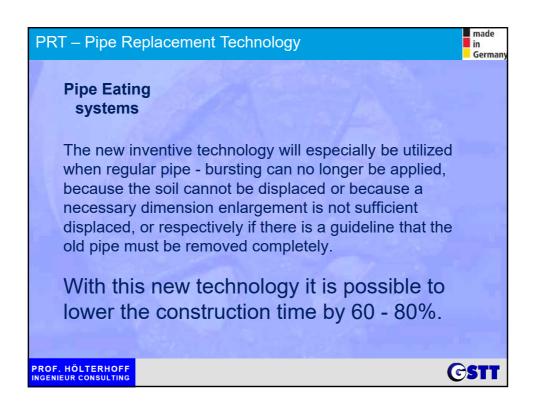


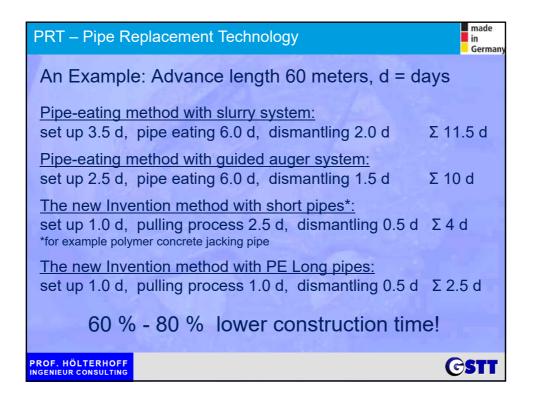
PRT – Pipe Replacement Technology Inspection Technology CIPP - Cured-in-place pipe rehabilitation Jacking Pipes - vitrified clay pipes Pipe jacking and HDD Systems High speed pipe and cable plowing technology for open terrain Keyhole - Technology

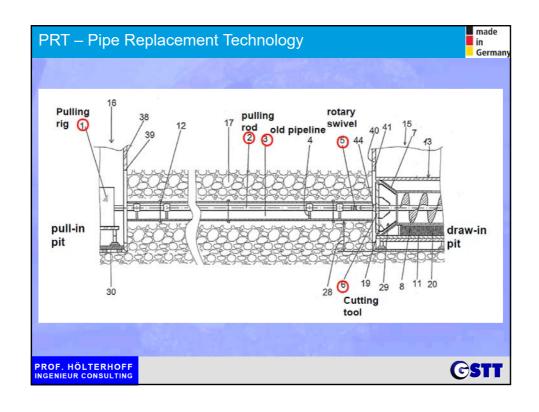


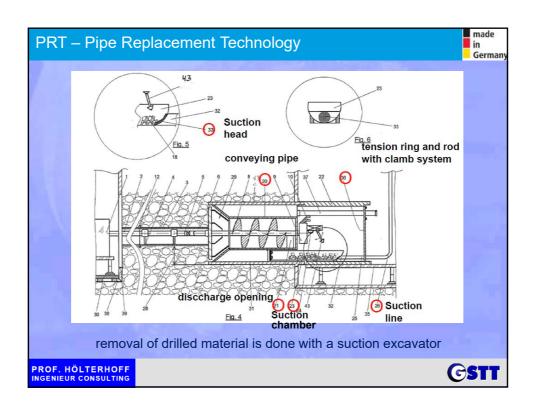


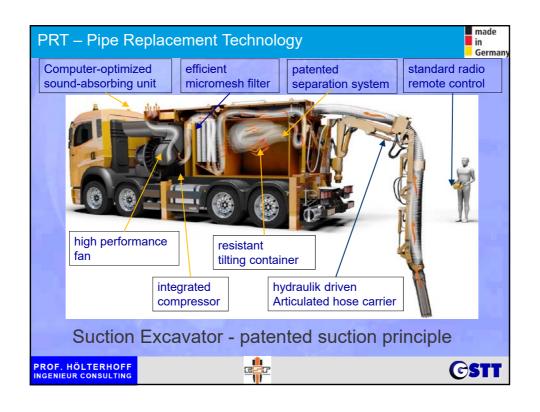








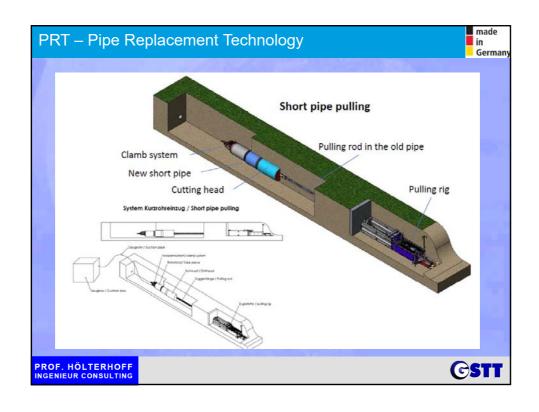


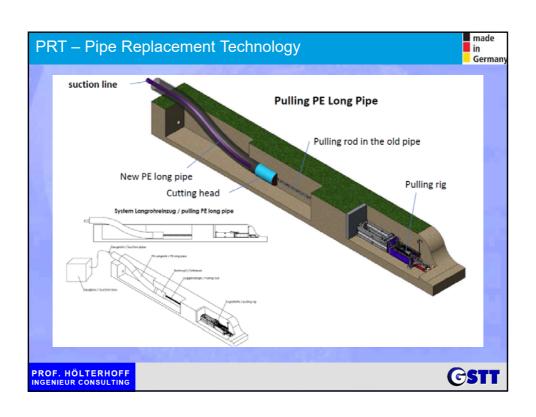


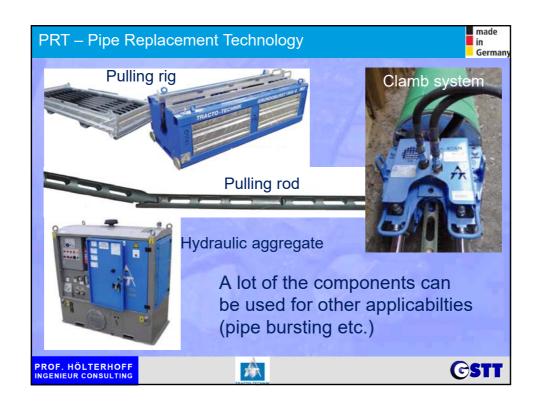


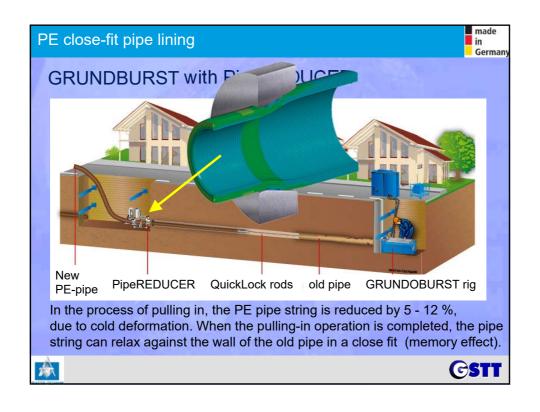




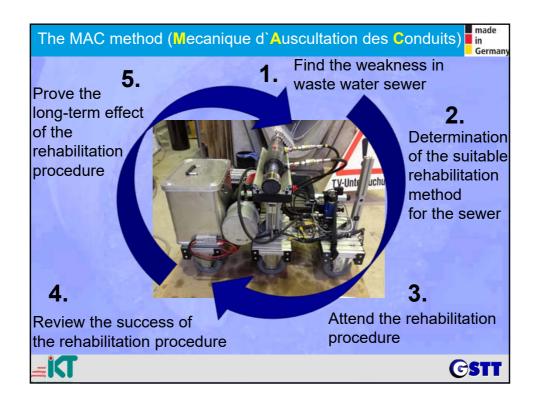


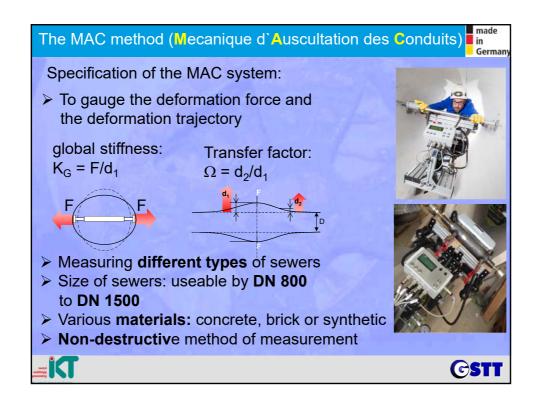




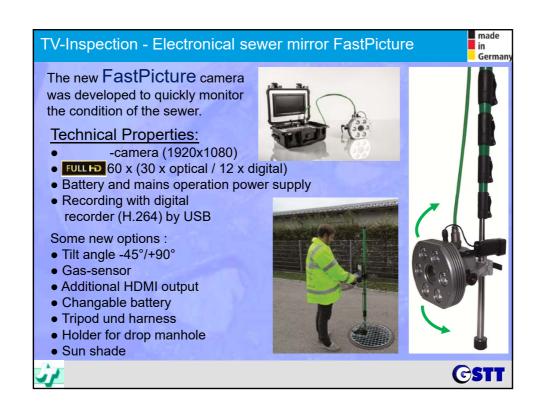






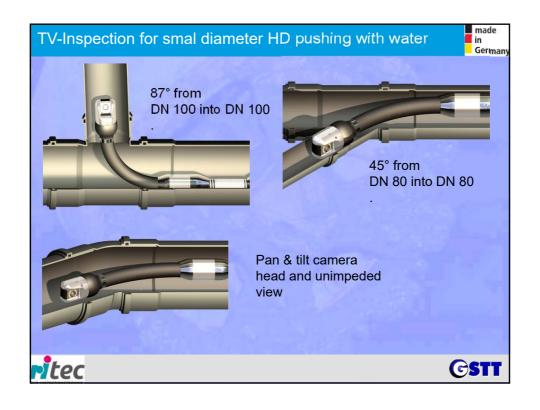




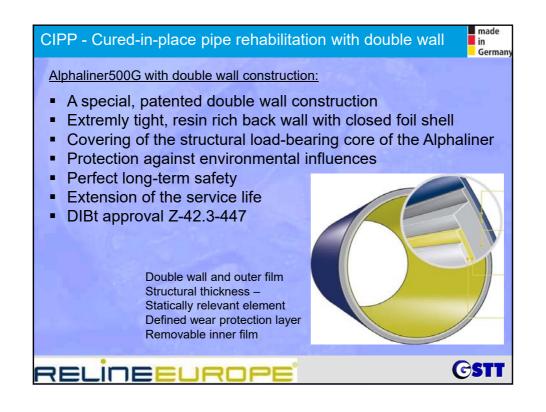


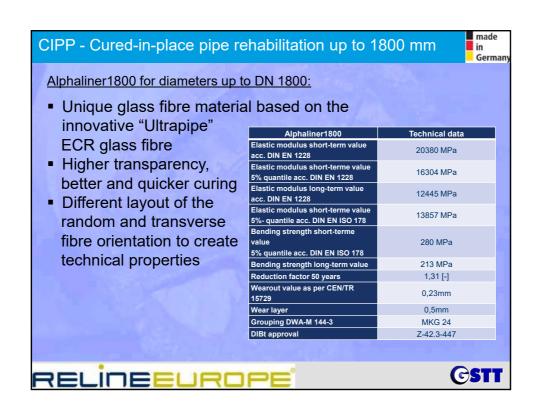






Trenchless Innovations from Germany PRT – Pipe Replacement Technology Inspection Technology CIPP - Cured-in-place pipe rehabilitation Jacking Pipes - vitrified clay pipes Pipe jacking and HDD Systems High speed pipe and cable plowing technology for open terrain Keyhole - Technology







CIPP - UV curing technology



Facts about BKP Berolina Polyester

- BKP Berolina provides individual solutions for trenchless gravity pipe rehabilitation.
- Available diameters 150 mm [6 inch] up to 1500 mm [60 inch] and wall thickness 3,5 mm up to 15,0 mm (Wall thickness over 15,0 mm on request and without peroxide).
- Range of expandability: manufactured with up to 5% undersize and expandable up to 5% oversize (in special cases even more).
- Liner length up to 400m (longe'st Berolina-Liner in 2014 ID 300 with 354 m) and cured by UV-light.





CIPP - UV curing technology



Benefit of the undersize

- No wrinkles in deformed pipes and offsets.
- · Lateral connections easily detected.
- Reduction and prevention of annular gaps between host pipe and the liner (corrosion in concrete pipes can increase its diameter).
- Static design formulas allow only very limited gaps. Annular gaps dramatically influence the loading capability of a CIPP.





CIPP - UV curing technology

The innovative GRP-Liner for the trenchless rehabilitation of sewer pipes with the world's highest mechanical properties up to DN 1600

- Extremely high mechanical properties
- Better handling through lower weight
- Shorter curing time
- Even more economical
- Approved by DIBt Z-42.3-350
- Short-term circumferential E-Modul (ring stiffness) Long-term circumferential E-Modul (ring stiffness) Short-term bending E-Modul (three-point bending)
- Short-term bending strength (three-point bending)
- Long-term bending strength (three-point bending)
- Reduction factor A after 10 000 h
- Dimension range Wall thickness in cured condition
- 20,500 N/mm² 16,000 N/mm² 16,800 N/mm²
- 270 N/mm² 210 N/mm²

1.28 DN 150 - 1,600 mm

3 - 15 mm

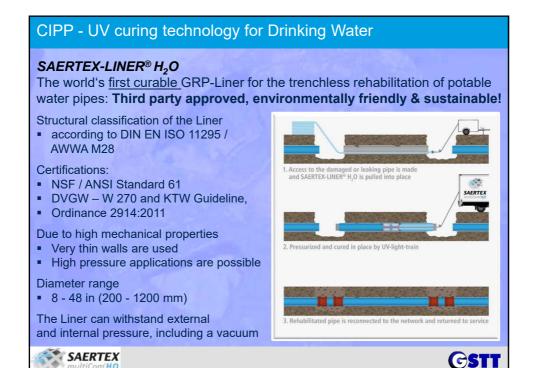
Also available with internal coating as solid ingredient: SAERTEX-LINER® Premium Type S+

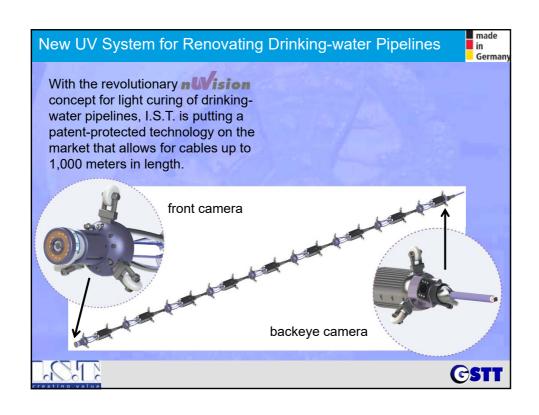


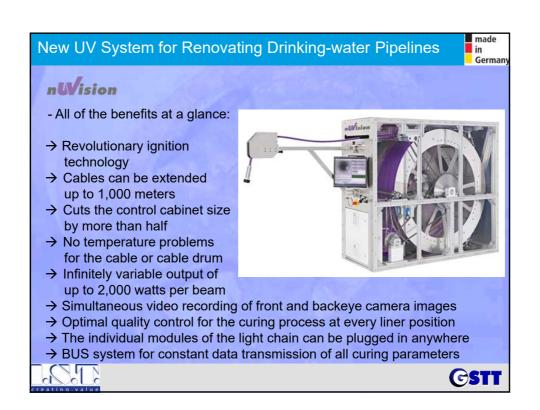


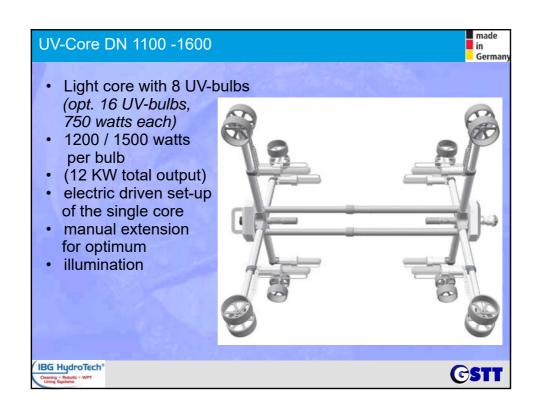


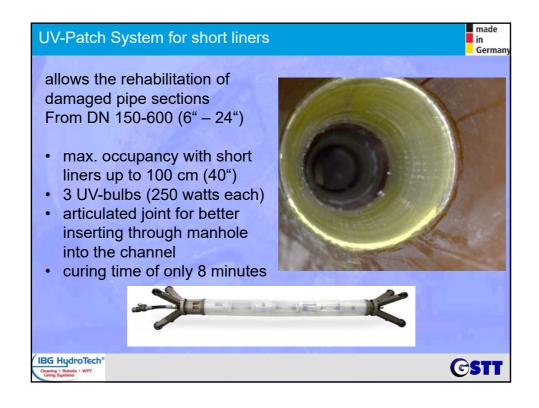


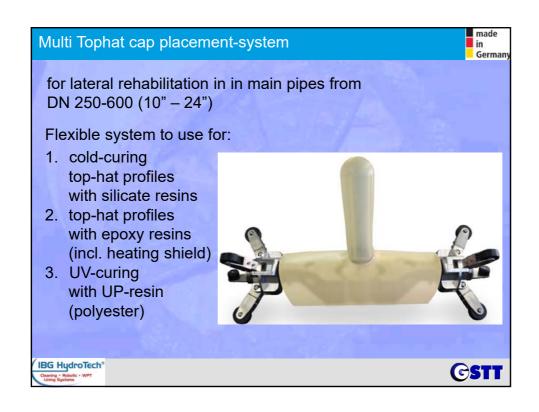


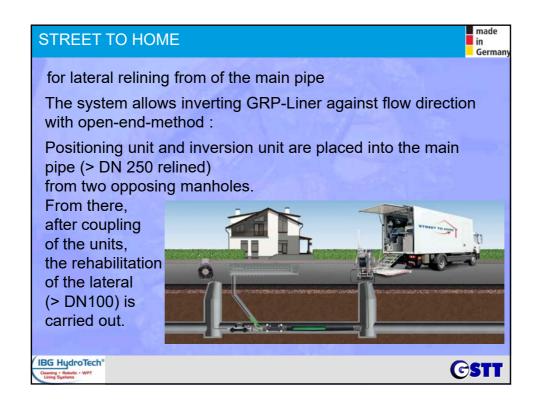


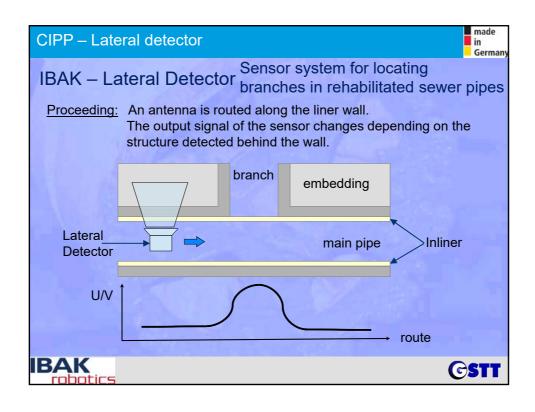


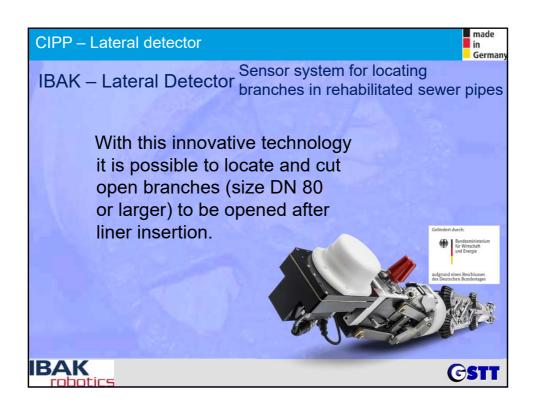


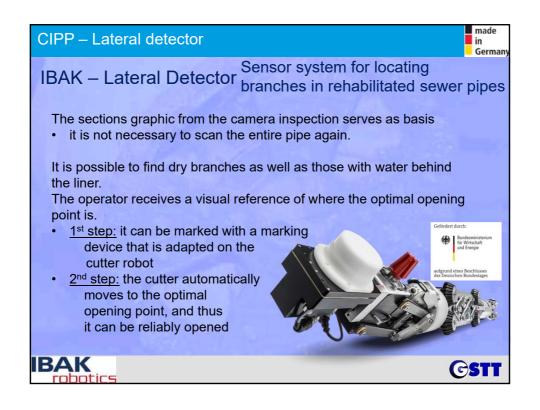






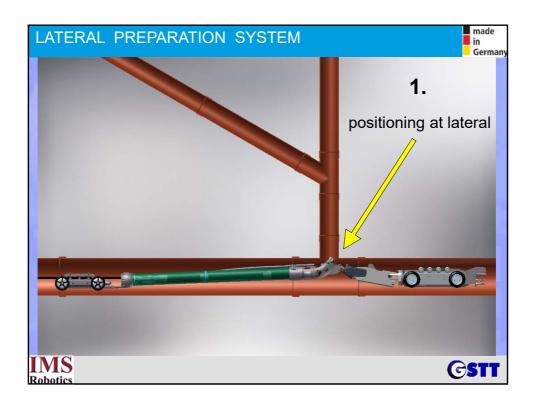


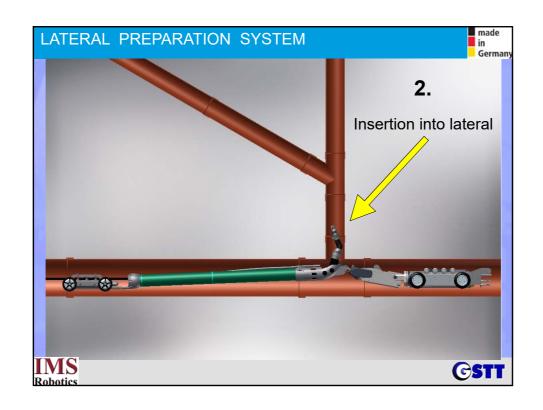






















PRT – Pipe Replacement Technology Inspection Technology CIPP - Cured-in-place pipe rehabilitation Jacking Pipes - vitrified clay pipes Pipe jacking and HDD Systems High speed pipe and cable plowing technology for open terrain Keyhole - Technology





