

Project Scharbeutz:

New pressure drainage systems convey rainwater from the interior of Scharbeutz into the Baltic Sea

Project data

Project description:	New arrangement of the Heidebek and Gösebek drainage systems in Scharbeutz
Challenges:	Flood protection through new pressure pipelines into the Baltic Sea without intervention in the beach area with promenade and beach wall
Solution:	Construction of a new drainage system with large diameter pipes made from polyethylene using trenchless installation methods
Installation:	Use of existing pipelines (relining) and horizontal drilling procedures as well as installation of a sea pipeline in underwater trenches by floating it into position
Pipe system:	Total quantities of pipe: 300 m 450 x 26,7 mm egeplast PE 100-RC; 108 m 450 x 26,7 mm egeplast SLM® RC ^{plus} ; 72 m 560 x 33,2 mm egeplast SLM® RC ^{plus} ; 228 m 560 x 33,2 mm egeplast PE 100-RC Moulded components: 2 egeplast elbows 560 mm PE 100-RC 30°; 2 egeplast elbows 450 mm PE 100-RC 30°; 3 egeplast elbows 450 mm PE 100-RC 25°; 1 egeplast tee PE 100 560 mm 90°; 1 egeplast tee PE 100 450 mm 90°
Parties involved in the project:	Client: Wasser- und Bodenverband Ostsee with significant involvement of the Scharbeutz local authority Designers: Ingenieurbüro Wald & Kunath, Stockelsdorf Installation company: Grothe-Bau GmbH & Co. KG, Lübeck

