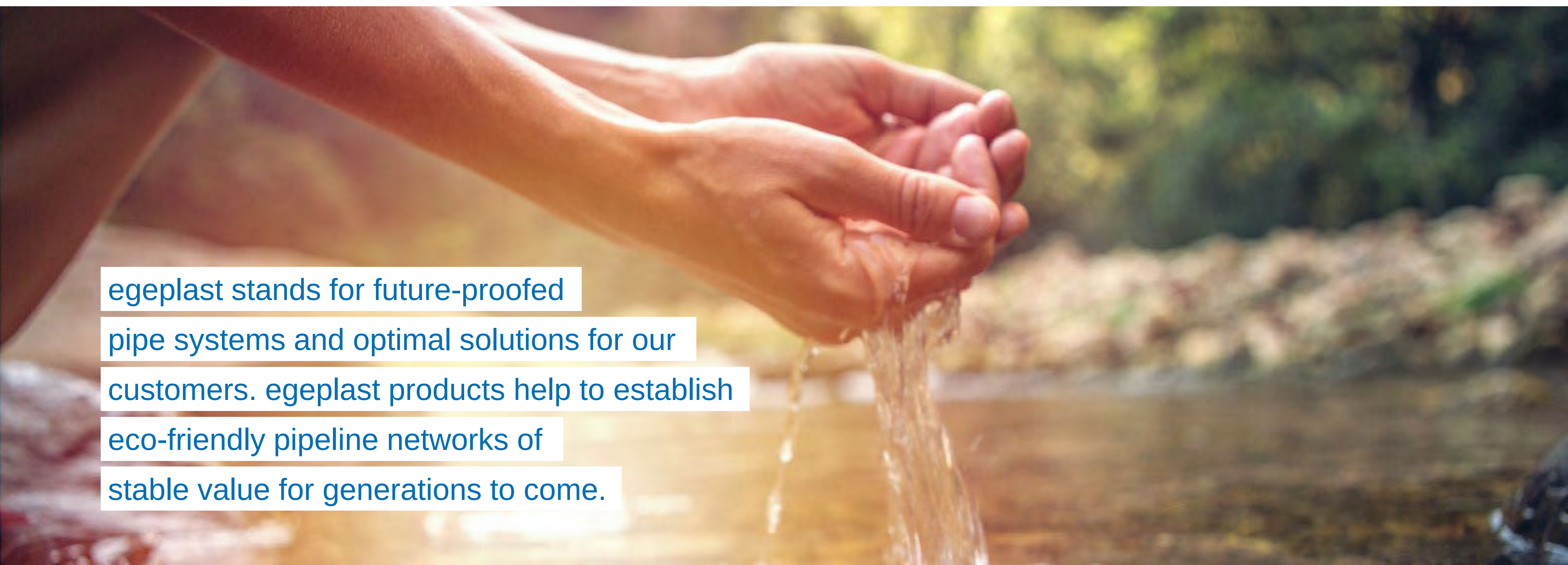


# PIPELIFE

## Rørdagene 22

Raymond Molund

A close-up photograph of two hands cupped together, holding a stream of water. The background is a blurred natural setting with green foliage and a body of water.

egeplast stands for future-proofed  
pipe systems and optimal solutions for our  
customers. egeplast products help to establish  
eco-friendly pipeline networks of  
stable value for generations to come.

# A Family Business with Great Innovation Spirit



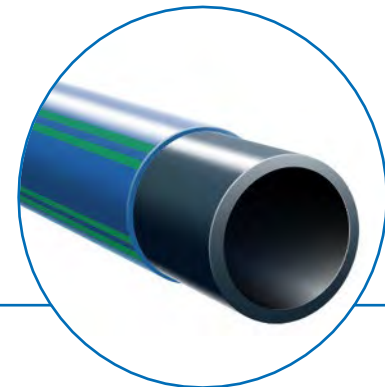
**1908**

Founding of the jute spinning mill **Engelbert Gröter** in **Emsdetten**



**1958**

Start of the production of **polyethylene pipes**



**1991**

Market launch of the SLA barrier pipe



**1998**

**QuickSwitch:** groundbreaking innovation in pipe extrusion



**2001**

**New building** in the open countryside in **Greven**



**2013**

egeplast adds fittings to product range to become system supplier



**2019**

Start of **egeplast UK Production**

**2021** Acquisition of **Westwood Pipelines**



**2020/2022**

Acquisition of 100 percent share of Swedish company **Extena AB**

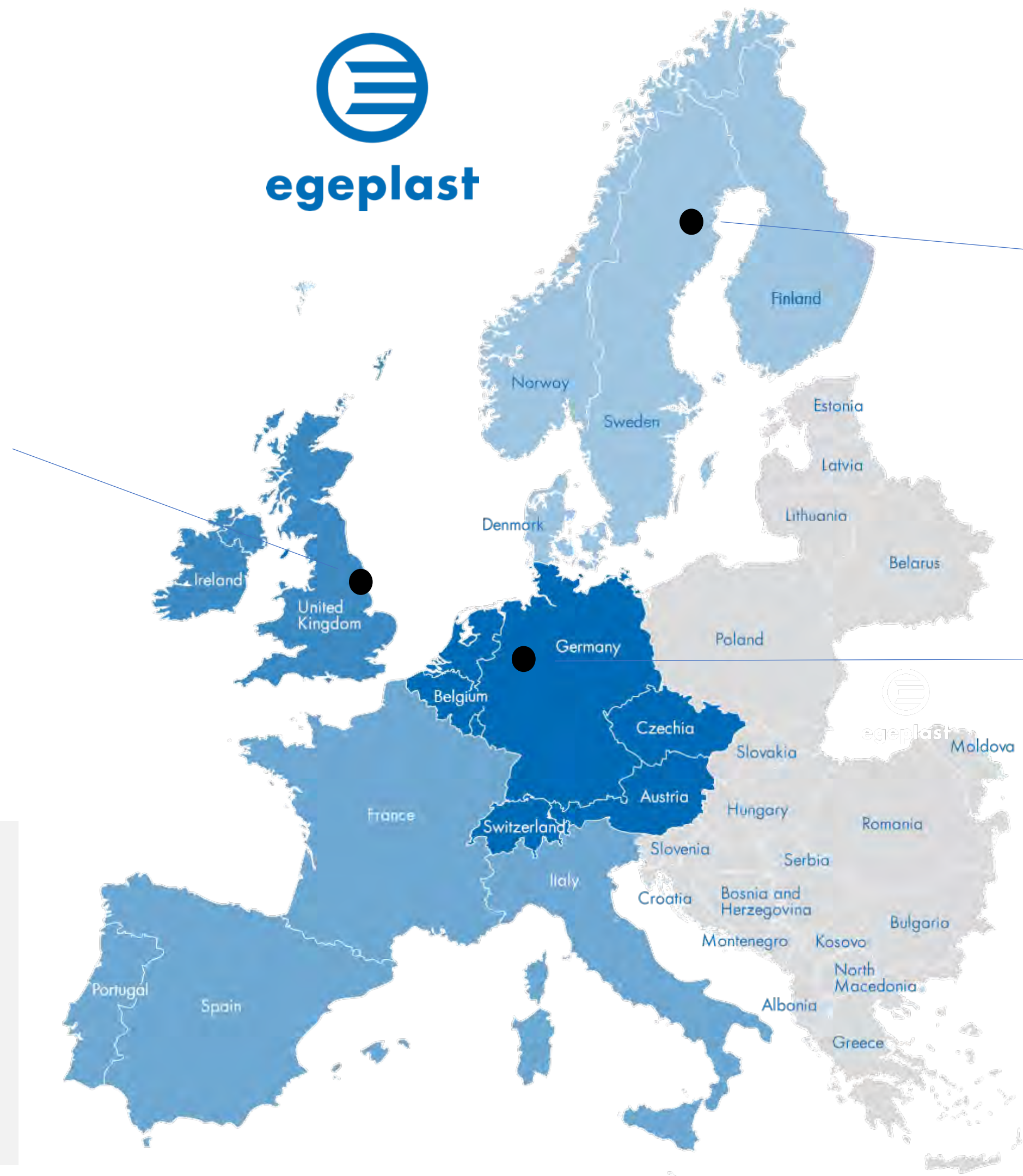
**Family-owned** for 4 generations – owner-managed by Dr. A. Strumann

# With production sites in Germany, Sweden, UK



## England:

Westwood Pipelines T/A  
Egeplast UK (Doncaster)  
Production of standard PE and  
distribution/trade



## Sweden:

100% share in Extena AB  
(Norsjö)  
Founded in 1976: Quality  
leader for PE standard pipes  
in Sweden



## Germany:

egeplast international  
GmbH (Greven)  
Central production of  
added-value pipe systems,  
standard pipes and  
microducts

## Strategic Approach:

Growth by taking advantage of  
market synergies from **centralised  
production of added-value pipes**  
and **localised production of  
standard pipes**

## Clear Vision

We want to be the preferred European  
supplier of added-value pipe systems  
made of plastics,  
headquartered in Greven  
and 2-3 other  
production sites

# The Greven site

## Deliveries to over 30 countries



Technology Centre

Central production in Greven

Moulded parts production

450 employees

Main focus: PE

26 extrusion lines

50,000 tons of plastics/year

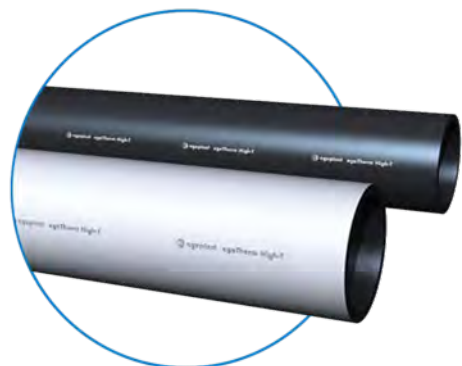
Dimensions: from 7 to 1,600 mm

248,000 m<sup>2</sup> operating surface



## Products & Services

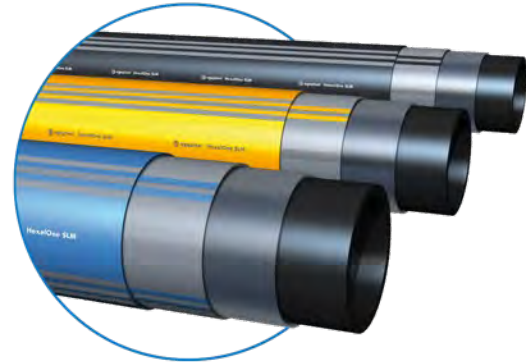
# Products for special requirements



**egeTherm High-T**  
For high temperatures



**egeStatic**  
For electrostatic discharge



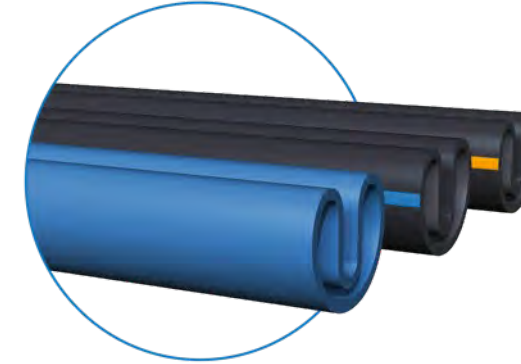
**HexelOne®**  
For high pressures



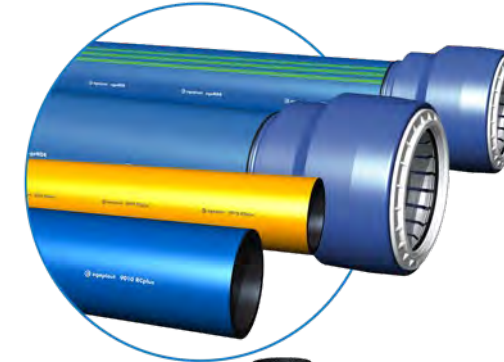
**egeSlurry**  
For transportation of abrasive media



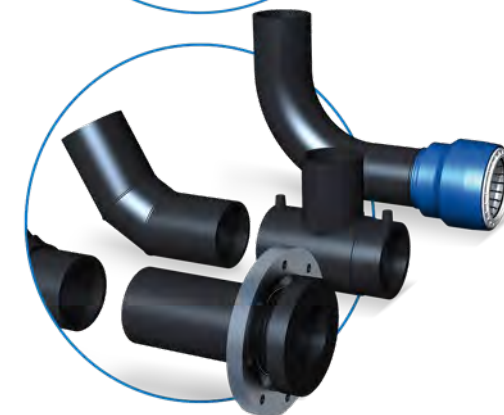
**egeFuse® / SL®**  
For open-trench installation of gravity sewer systems



**egeLiner®**  
Pipe systems for space-saving rehabilitation



**9010® RC**  
For open-trench installation

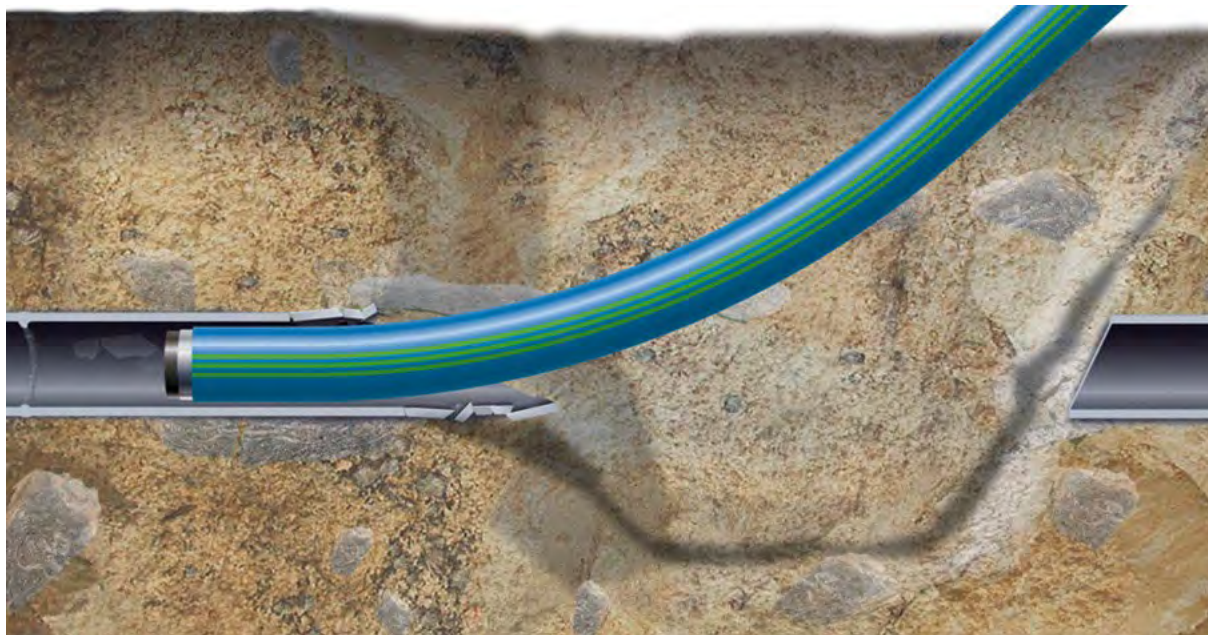


**egeFit®**  
For an all-in-one system with matching fittings

# Save time & costs with trenchless installations



## Relining



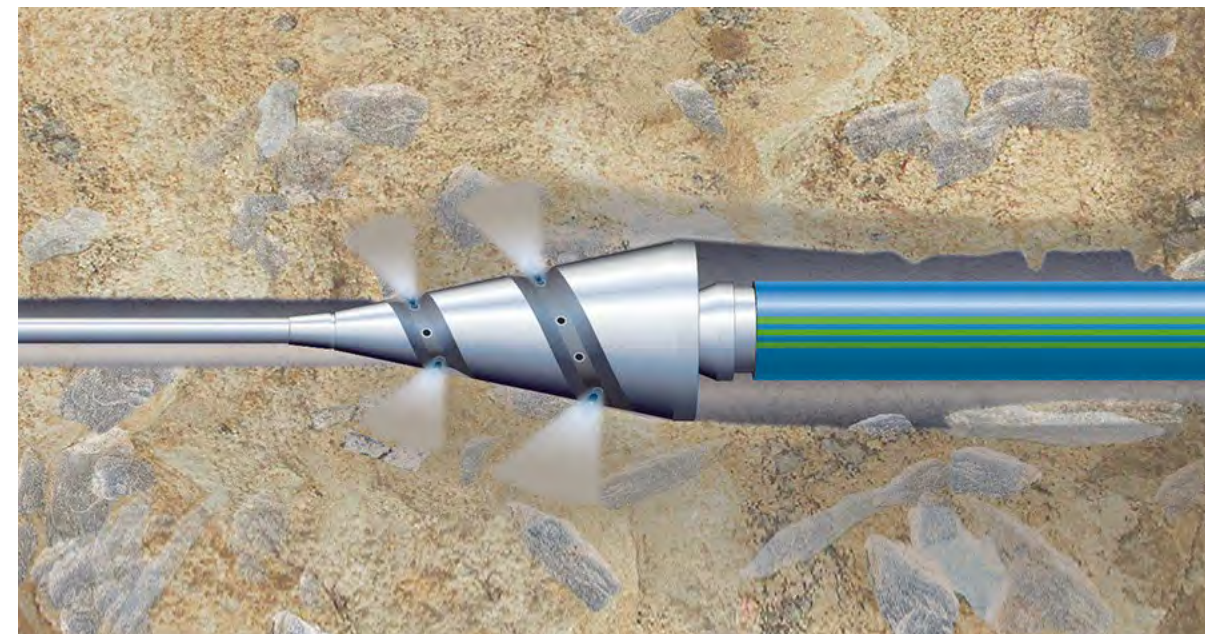
## Pipe-reduction



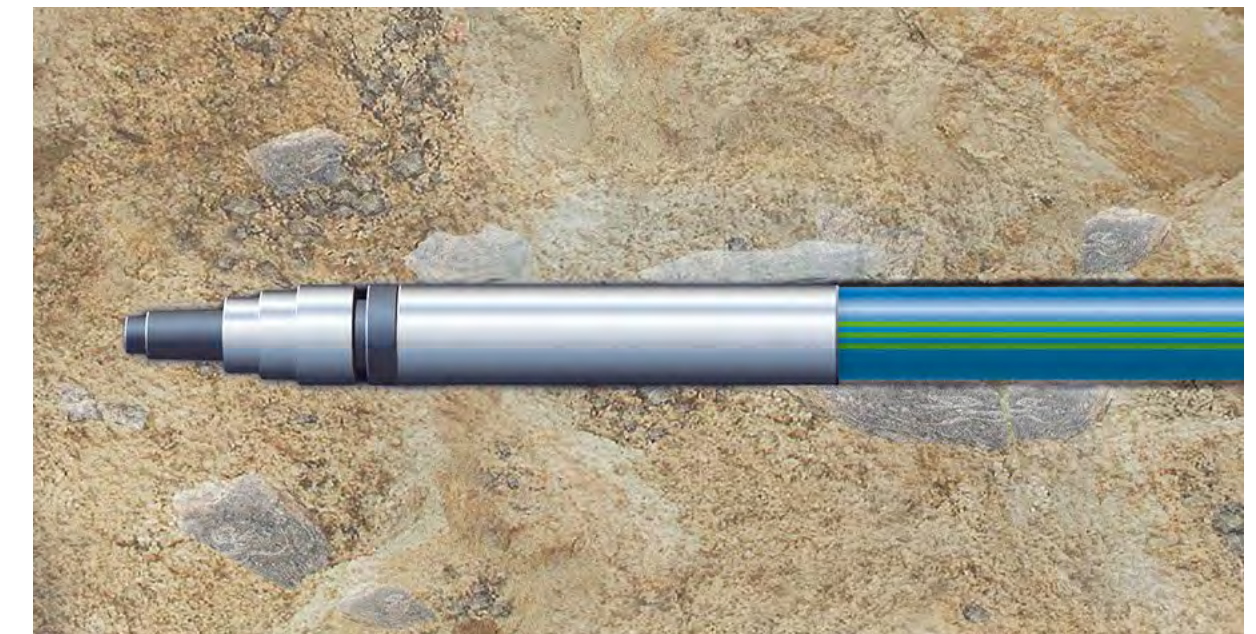
## Close-fit lining



## Burstlining



## Horizontal directional drilling



## Soil displacement

## SLA Barrier Pipe



### Diffusion resistance

for a special protection of drinking water

### Use Cases

- Drinking water pipes crossing contaminated areas
- Drinking water pipes near coastal areas (preventing contamination in cause of flooding)
- Simultaneously trenchless installations of drinking water and wastewater pipelines (HDD)
- Trenchless installation like HDD or pipe bursting

### Features

- ✓ Diffusion barrier
- ✓ Pipe detection



egeplast



### Dimensjoner:

25-630 mm i rette lengder, 6, 12 13,4 18 og 20 m

25-180 på kveil

Kjernerør PE 100 RC

Nordic Polymark

DK Vann

KIWA godkjenning



Fig. 7-4: KIWA-attest med produktzertifikat nr. K 5156/95 for plast-drikkevandsrørledningssystemerne egeplast SLA® Barrier Pipe.

# Gjennomtrengelighet



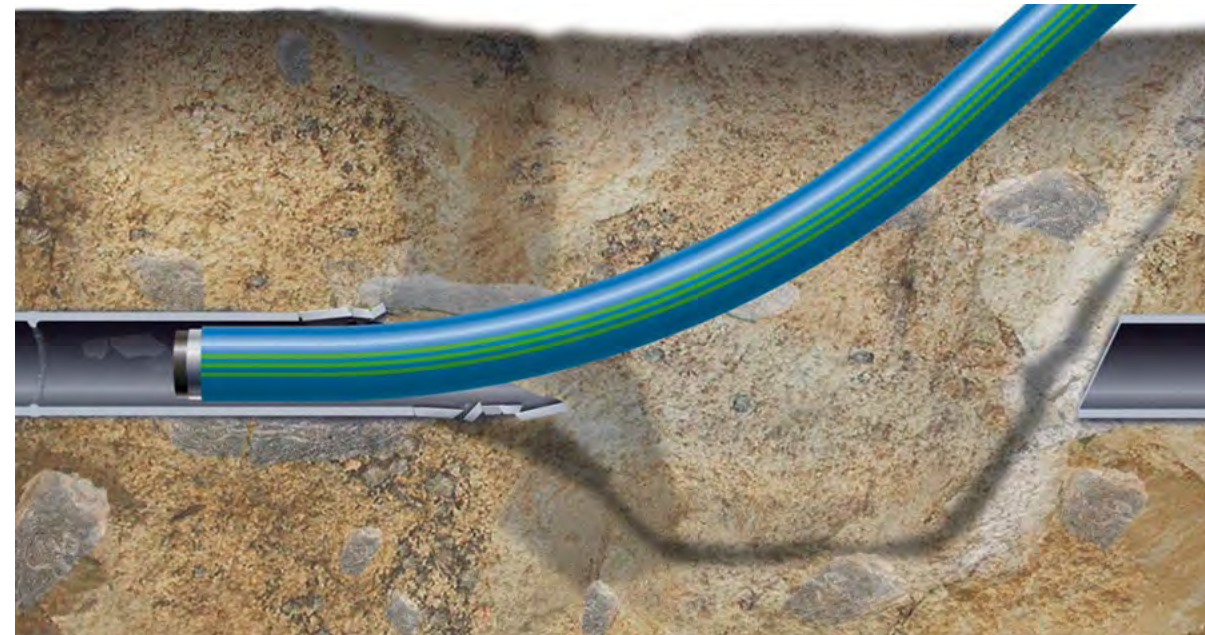
| Organiske forbindelser                                                                                                                                                                        | Impermeabilitets-grænseværdi <sup>#9/1</sup> |                                                                                 |                                                                       |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------|
|                                                                                                                                                                                               | Polyethylen (PE)                             |                                                                                 | Polyvinylchlorid (PVC)                                                |               |
|                                                                                                                                                                                               | homogen                                      | med AL-Barriere (SLA)                                                           | homogen                                                               | med gummiring |
| Monocykliske aromatiske kulbrinter<br><br>Benzol<br>Toluol<br>Xynol<br>1,3,5- Trimethylbenzol<br>Ethylbenzol<br>Propylbenzol                                                                  | 9                                            | 1.780.000<br>515.000<br>190.000<br>20.000<br>152.000<br>60.000                  | 178.000<br>51.500<br>19.000<br>2.000<br>15.000<br>6.000               | 5             |
| Klorerede kulbrinter<br><br>Trichlormethan (kloroform)<br>Tetrachlormethan (tertra)<br>Trichlormethan (tri)<br>Tetrachlorætylen (per)<br>1,2-Dichlorethan<br>1,2-Dichlorpropan<br>Chlorbenzol | 10                                           | 6.800.000<br>680.000<br>935.000<br>130.000<br>7.395.000<br>2.295.000<br>425.000 | 800.000<br>80.000<br>110.000<br>15.000<br>87.000<br>270.000<br>50.000 | 10            |
| Alifater<br><br>Hexan<br>Heptan<br>Oktan<br>Nonan                                                                                                                                             | 100                                          | 9.500<br>3.000<br>700<br>450                                                    | 2.375<br>750<br>175<br>110                                            | 100           |
| Polycykliske aromatiske kulbrinter<br><br>Naftalen<br>Anthracen<br>Phenanthren                                                                                                                | 5                                            | 30.000<br>1.300<br>1.600                                                        | 15.000<br>650<br>800                                                  | 5             |
| Phenol                                                                                                                                                                                        | 23.000                                       | 8.500.000                                                                       | 1.000.000                                                             | 23.000        |

# Installasjonsmetoder

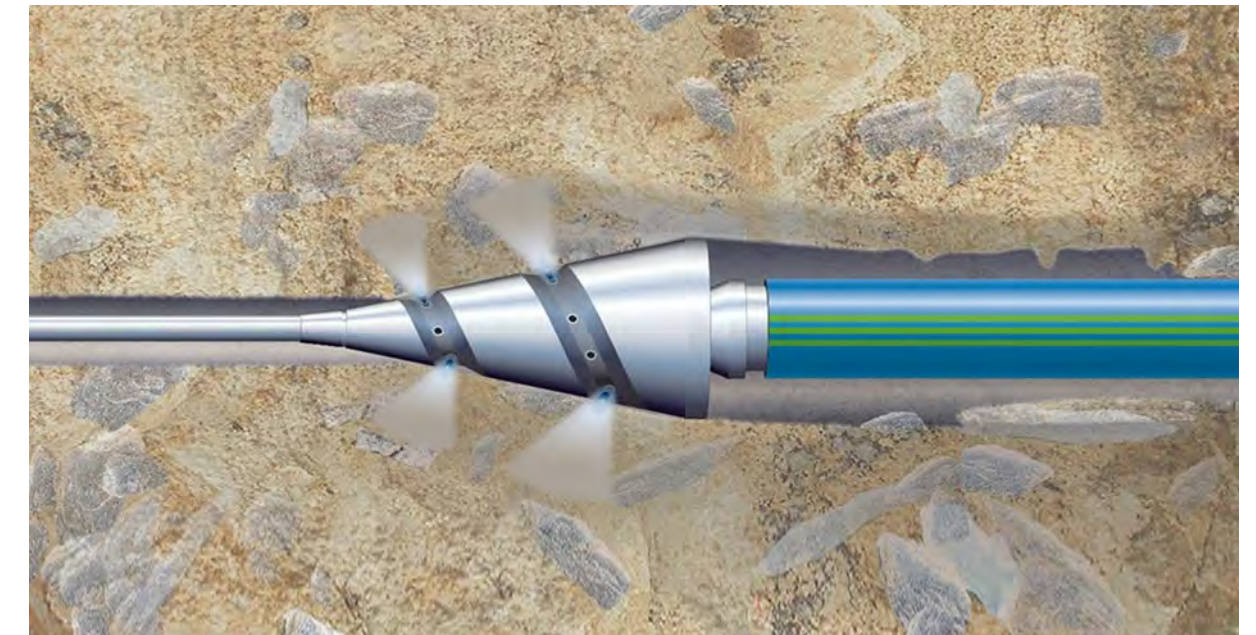
Forurenset grunn



Relining



Styrt boring i løsmasser og fjell

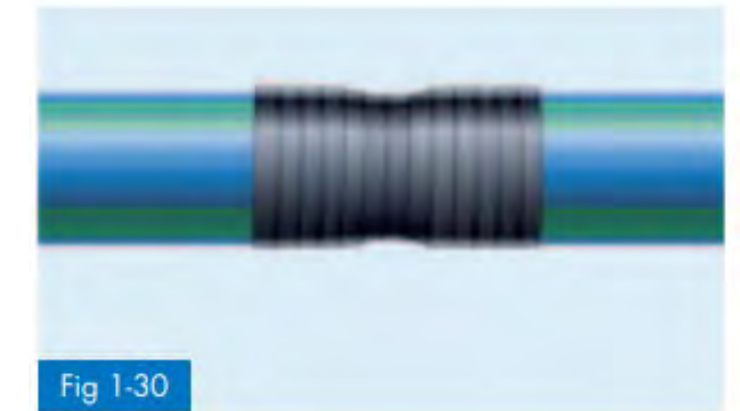
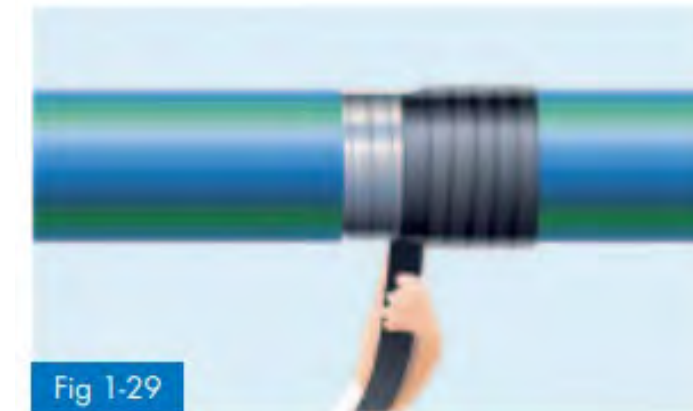
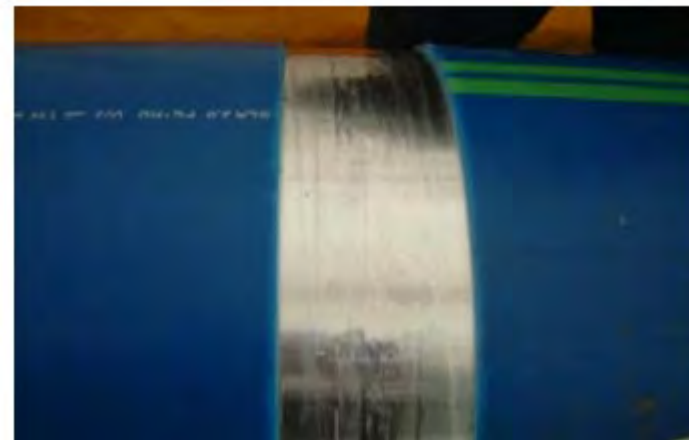
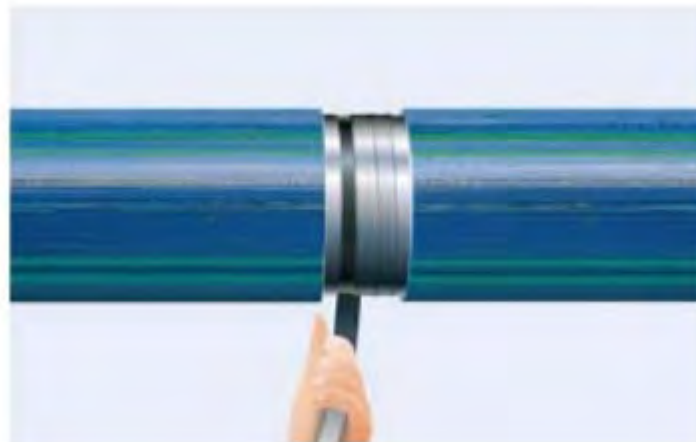
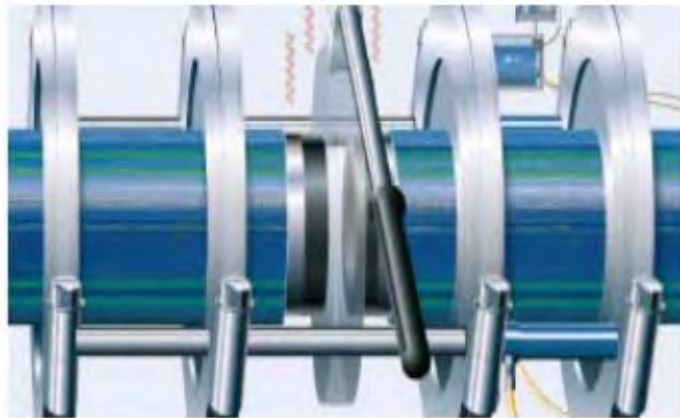


Åpen Grøft



Utblokking

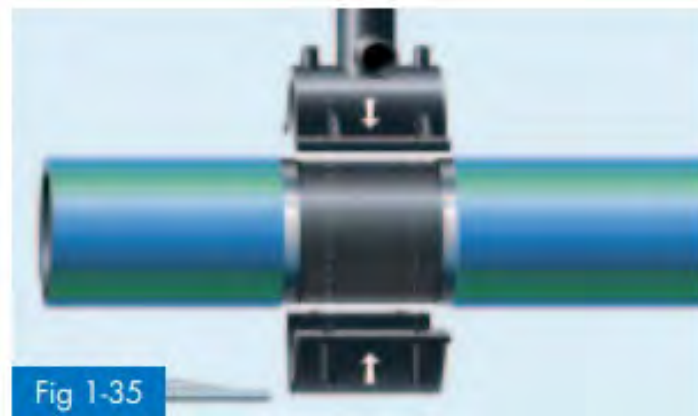
# Skjøtemetoder



# Skjøtemetoder



# Anboring





## Kriterier for å velge diffusjonstette rør

- Vite hva som er i grunnen
- Vite hva som er over bakken nå og spå fremtiden
- Gjør grunnundersøkelser ta grunnvannsprøver
- For sjøledninger bør havbunnprøver tas

Er du usikker på om det kan være eller bli forurensning i grunnen- Velg diffusjonstett!

Da sikrer du fremtidig trygghet for drikkevannet

Da legger du forutsetninger til rette for alle muligheter i fremtiden både over og under bakken

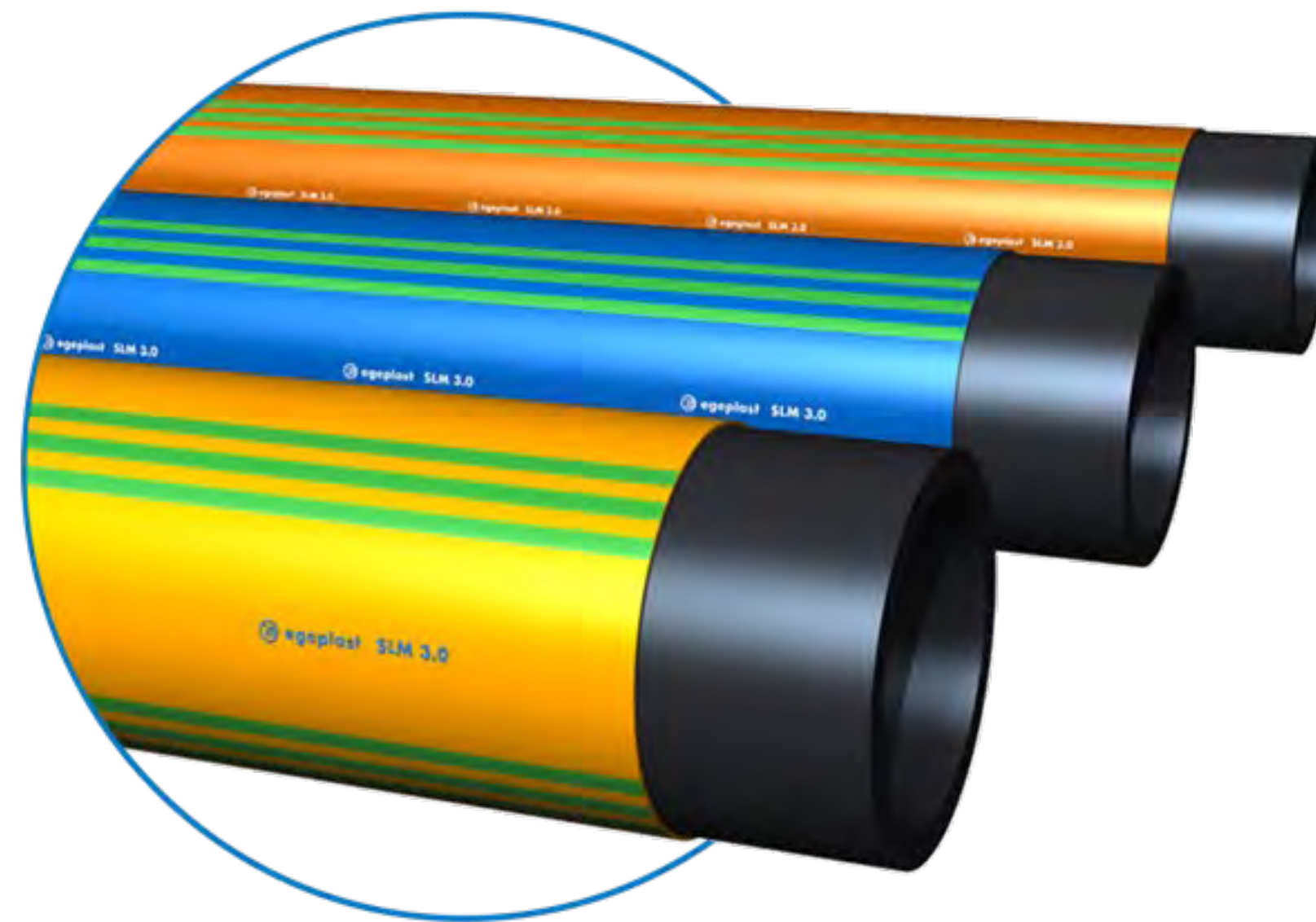
## Kriterier for vellykket prosjekt

- Sørg for Kiwa-godkjent system
- Still krav til utførende entreprenør
- Still krav til sveising. Kalibrert utstyr, sertifiserte sveisere og sveiselogg
- Riktig opplæring for skjøting og installasjon av diffusjonstette rør
- Be oss om hjelp til å gjøre dere til gode kontrollører
- Mulighet for kvalitetskontroll av rørstrekk etter installasjon

# SLM rør med beskyttelseskappe



## SLM<sup>®</sup> 3.0



## SLM DCS



### Regular check

of integrity of critical infrastructures

### Use Cases

- Monitoring of transport pipelines for water (drinking water / raw water) or checking them in intervals
- Wastewater pressure pipes outside of protection areas
- Pipeline monitoring in instable areas in cause of groundmoving for example mining places or heavy weather conditions
- Trenchless installation like HDD or pipe bursting

### Features

- ✓ Pipe detection
- ✓ Manual damage detection
- ✓ Interval measurement
- ✓ SMS Signal
- ✓ Battery powered monitoring



## SLM DCT



### Quality check

of damage-free installation

### Use Cases

- Detection of the pipe underground without digging
- Additional safety check when crossing rivers
- Trenchless installation under private areas or buildings
- Trenchless installation like HDD or pipe bursting

### Features

- ✓ Pipe detection
- ✓ Electrical pipe system check
- ✓ Damage localisation after trenchless installation

## 3L Leak Control



### Permanent monitoring

to protect the environment

### Use Cases

- Wastewater pipes in drinking water protection areas (diffusion resistance and real time monitoring)
- Transportation of toxic fluids
- Biogas plants and sustainable agriculture
- Trenchless installation like HDD or pipe bursting

### Features

- ✓ Diffusion barrier
- ✓ Pipe detection
- ✓ Permanent damage monitoring
- ✓ SMS Signal
- ✓ Connection to existing control centers
- ✓ Remote maintenance for monitoring
- ✓ Damage localisation

# Fittings from the egeplast System Manufacture



Seamless bends

Chambers

Fittings for added-value pipe systems



Segmented fittings

Turned and milled fittings



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**Takk for meg ;-)**

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