



Develop and promote  
opportunities for  
sustainable PVC piping systems  
in the global market

**Top water quality for  
the best price**

**PVC pipes for potable water**

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# Water - What people really want

- Fresh water, without strange taste or odour
- Water without unexpected contamination
- Crystal clear drinking water quality from the tap

# Water - What people really want

PVC  Pipes



# Water - What people really want

- Fresh water, without strange taste or odour
  - Water without unexpected contamination
  - Crystal clear drinking water quality from the tap
- ... at a reasonable price

# Water - What people do not want

- Stop in water supply while being in the shower or flushing the toilet



# Water - What people do not want

PVC  Pipes

- Rust in the water
  - ◆ Discolouring the white textiles in the laundry
  - ◆ Staining the white bathtub or shower



# What water companies need

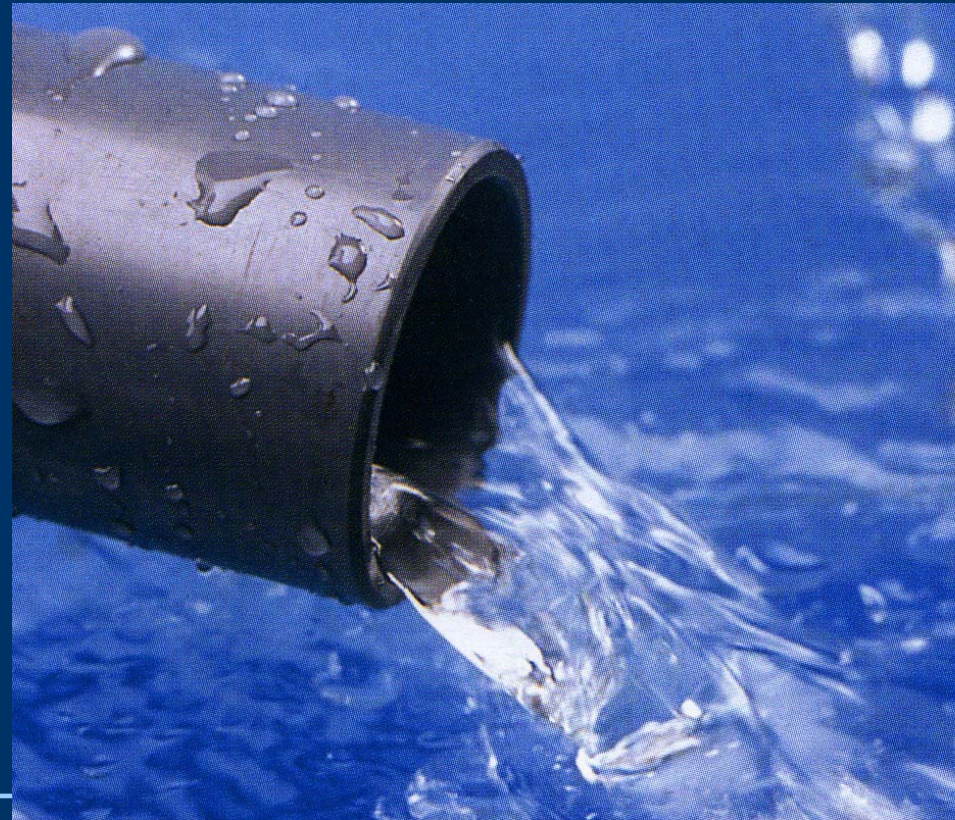


- A pipeline system which is
  - ... not influencing water quality from the source to the tap
  - ... durable
  - ... cost efficient
- Can a PVC pipeline system fulfil these needs better than any other system?

# PVC pipe systems deliver Water quality



- Guaranteed good water quality from the source to the tap without colour changes, smell, odour or tastes



# PVC pipe systems deliver Water quality



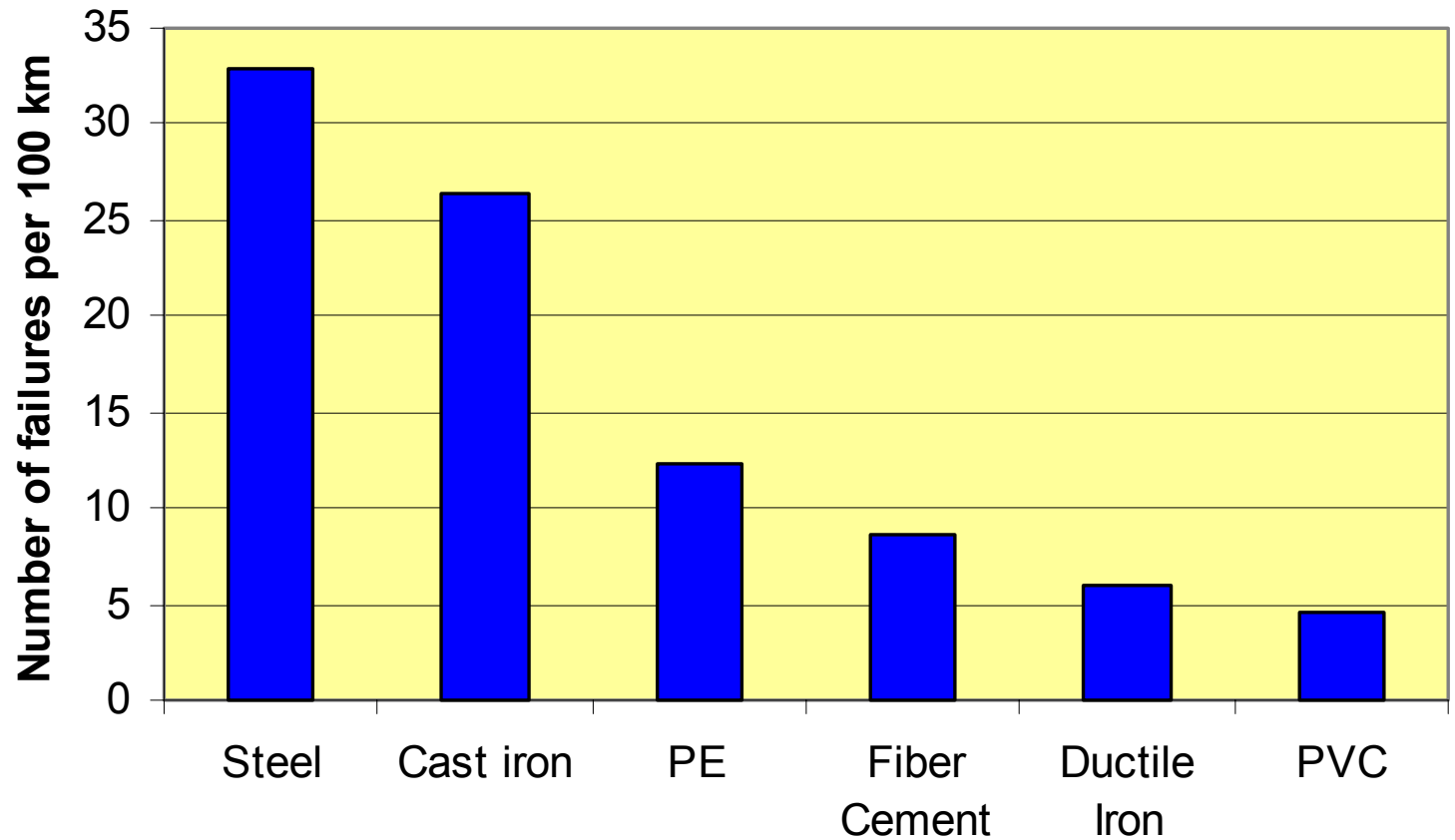
- Prevention of bacterial growth due to the smooth pipe surface
- Resistance against water purification agents, like chlorine
- Excellent migration performance against:
  - ◆ Soil contaminants/components into the water
  - ◆ Pipe material components into the water

# PVC pipe systems deliver Durability & long service life



- Proven long term experience of more than 70 years - PVC pipes are in use since 1935
- Long term pressure testing with expected lifetime of more than 100 years
- Low failure rates in operation

# PVC pipe systems deliver Low failure rates in operation



DVGW statistic 1999, reported failures in '97 & '98,  
representing 30% of the total water supply network in Germany

# PVC pipe systems deliver Durability and long service life



- Resistance against corrosion, oxidative or chemical degradation
- Water tight and safe push-fit joints

# PVC pipe systems deliver Safe push-fit joints

PVC  Pipes



# PVC pipe systems deliver Durability and long service life



- Resistance against corrosion, oxidative or chemical degradation
- Water tight and safe push-fit joints
- Flexible enough to bend without breaking under earth movements

# PVC pipe systems deliver Hydraulic performance



- Smooth surface results in high flow capacities



# PVC pipe systems deliver Hydraulic performance



- Guaranteed volume flow because of no incrustation



# PVC pipe systems deliver Hydraulic performance



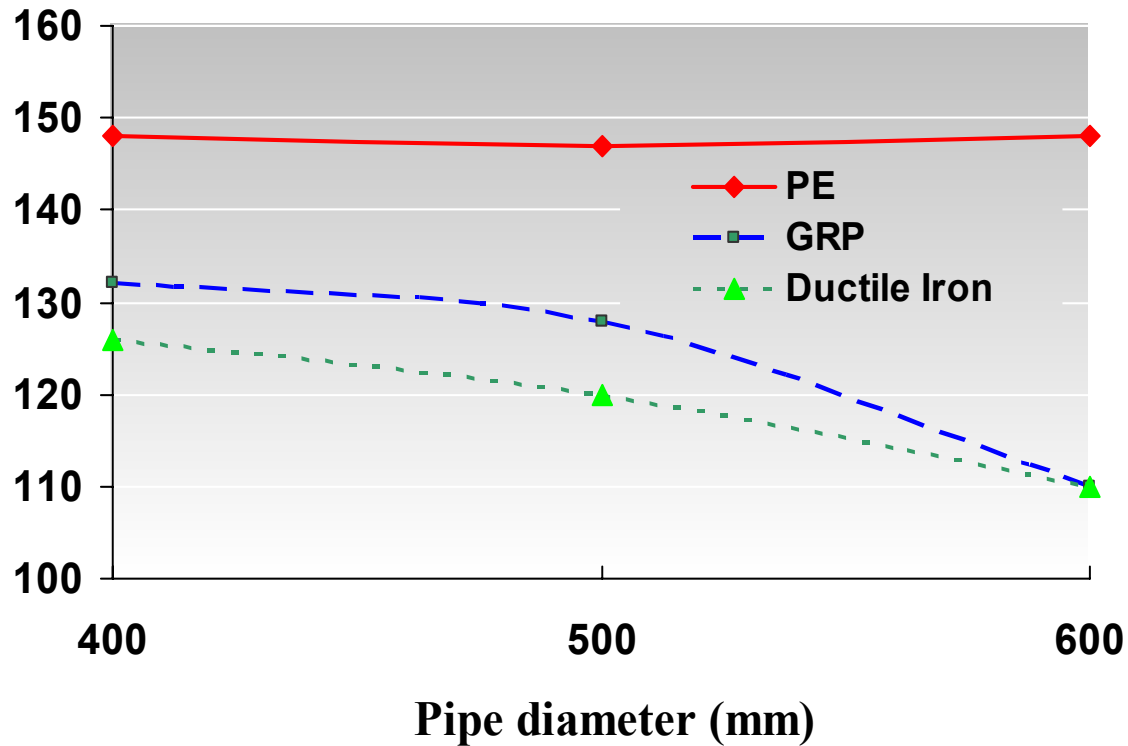
- Smooth surface results in high flow capacities
- Guaranteed volume flow because of no incrustation
- Strong enough to allow pressure peaks (water hammer)

# PVC pipe systems deliver Whole life cost efficiency



- Low investment cost for pipe system components
- Easy and cost efficient installation

# PVC pipe systems deliver Cost efficient installation



Laying cost for pipe systems in comparison to PVC-HI @ 100%

# PVC pipe systems deliver Whole life cost efficiency



- No heavy weight
- Simple tools/equipment for length adjustments, connecting and laying

# PVC pipe systems deliver Easy installation

PVC  Pipes



# PVC pipe systems deliver Short project realisation time

PVC  Pipes



# PVC pipe systems deliver Whole life cost efficiency



- Full range of fittings and ancillary parts



# What PVC pipe systems deliver

## Whole life cost efficiency



- Pipe system compatible with other material pipe systems
- Quick and easy repair
- Easy and established recycling

# PVC Potable Water Pipe Systems



- “The best choice amongst materials”

