

Water related problems in cities



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Weather change in the worlds regions

- Heavy rainfall, more locally than spread
- Great peaks
- Dryer periods
- More water flowing through rivers
- Less in ry season, more in wet season as usual
- Cities get hotter (heat islands)

Time for changes in the world

- Plan with dynamics
 - Watermanagement goes hand in hand with spatial planning
- Research & Development
 - New technics will make solutions possible
- Think new and international
- Learn from the past
- You loose some and you win some
- integrated approach, interregional, provincialal, national and visa versa





We also still have failures

Strategy for the 21th century

Storing and handling

Protection

Living with water

Retaining

storing

draining



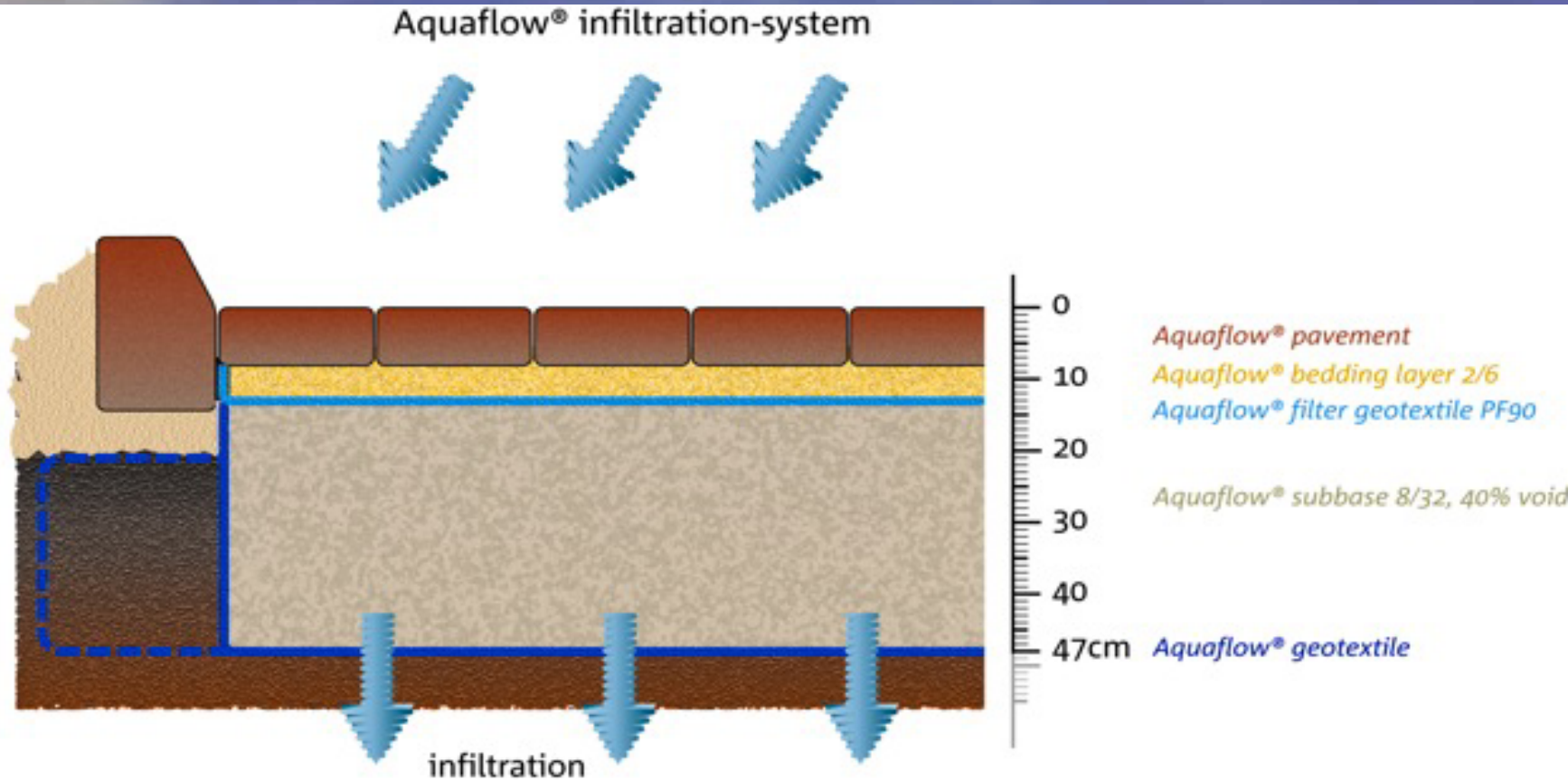
Oil pollution



storing capacity is ordered

- new developments: 10-20% of the available area should be reserved for water storing.
- Solutions with the possibility of more than one function are highly preferable.
 - Use the subbases of the streets for water transport
 - Use open-graded subbases
 - Use the the biological capacity of those subbases for cleaning of water

Aquaflow® Regular infiltration system with a lot of varieties



How it works







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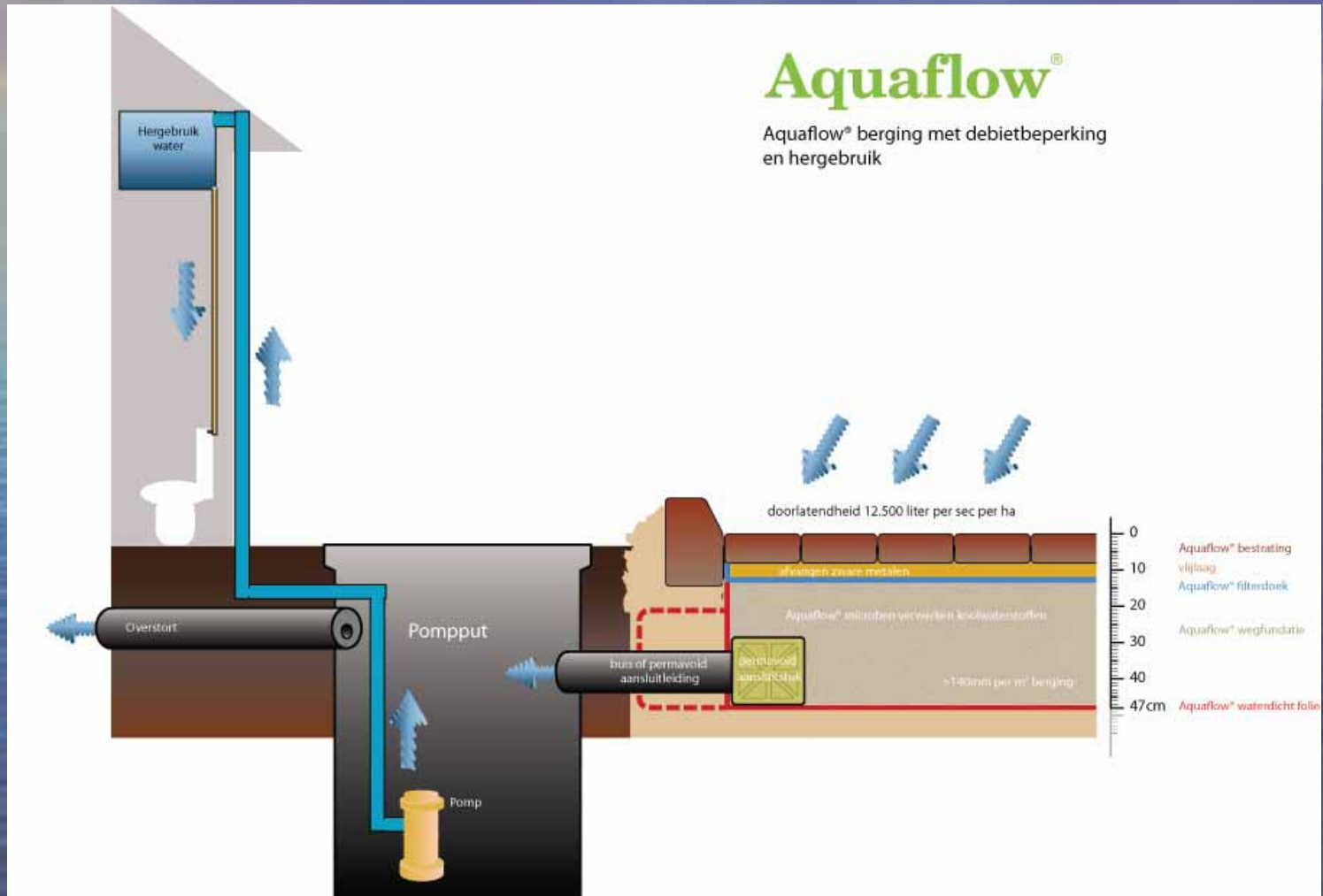
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Re-use of Rainwater





We have to use our spaces more functional



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Conclusions

- Learn from the past
- Adjust to modern insights
- Create room for water
- Use your infrastructure on multiple ways
- Keep it simple, be flexible
- Maintain it.
- Use experiences from elsewhere
- Use old proven concepts

Thank You

