

WELL-THOUGHT-OUT SYSTEMS

for more
comfort
of urban
living



FRÄNKISCHE
+ OPTIGRÜN



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**Drainage and evaporation expertise
from one source.**

Due to their many years of experience and field-tested knowledge, FRÄNKISCHE being the market leader for stormwater management and OPTIGRÜN being the market leader in roof and building greening offer ideally matched concepts for climate-conscious urban planning.

**Together for more
comfort of urban living.**

Roof greening meets stormwater management

Counteracting the consequences of the climate change in urban areas requires intelligent and sustainable solutions for climate-conscious urban and infrastructure planning.

URBAN HEAT ISLANDS, HEAVY RAIN AND FLOODING

Cities are particularly vulnerable hotspots of extreme weather events. High building density and constant growth in impervious surfaces lead to cities heating up increasingly and at the same time offering no room for infiltration and evaporation of stormwater.

A fatal combination resulting in extreme heat and flooding which, in turn, lead to health problems of the population and property damage amounting to millions.



OUR SOLUTION

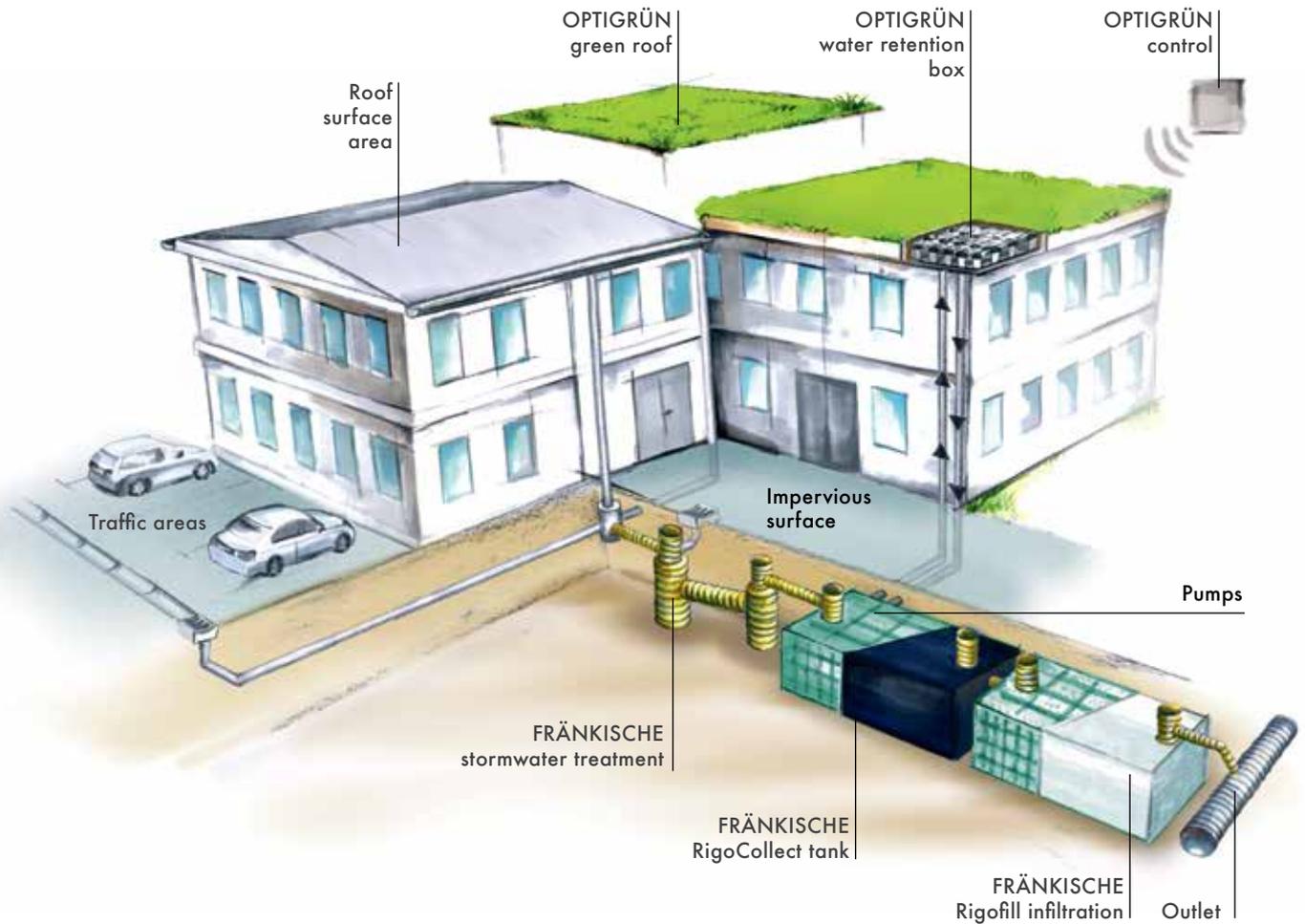
**Combining
retention
roof greening
with efficient
stormwater
management**

Extreme weather events are part of our climate situation and will remain part of it in the long run: What is presently needed are measures that provide a remedy here and now, and minimise the consequences.

Green spaces in cities offer a lot of potential in this regard: Utilising roof areas lends itself to creating green spaces in densely built-up areas where space is scarce. Green roofs contribute significantly to cooling down the cities thanks to their evaporation function.

So-called retention roofs can collect and store larger volumes of stormwater, use it to water the vegetation, and achieve high levels of evaporation.

However, retention roofs are limited by, e.g., structural properties and lack of space which must be expanded especially in the case of extreme weather events. Complementary stormwater management systems open up these limits and allow a holistic solution.



CREATING A NATURAL STORMWATER BALANCE

In order to create a natural water balance in a location, the stormwater from the underground reservoirs is either purposefully routed to the green roof for evaporation or infiltration, or discharged into sewers or waterbodies in a controlled way.

This allows establishing an almost natural stormwater balance even in densely built-up areas.



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