

# NO FEAR OF EXTREMES

In 2024, extreme weather events such as heavy rainfall, flooding, storms, and hail caused insured damages of €5.7 billion in Germany.



**What if...**

Streets could store water instead of flooding?

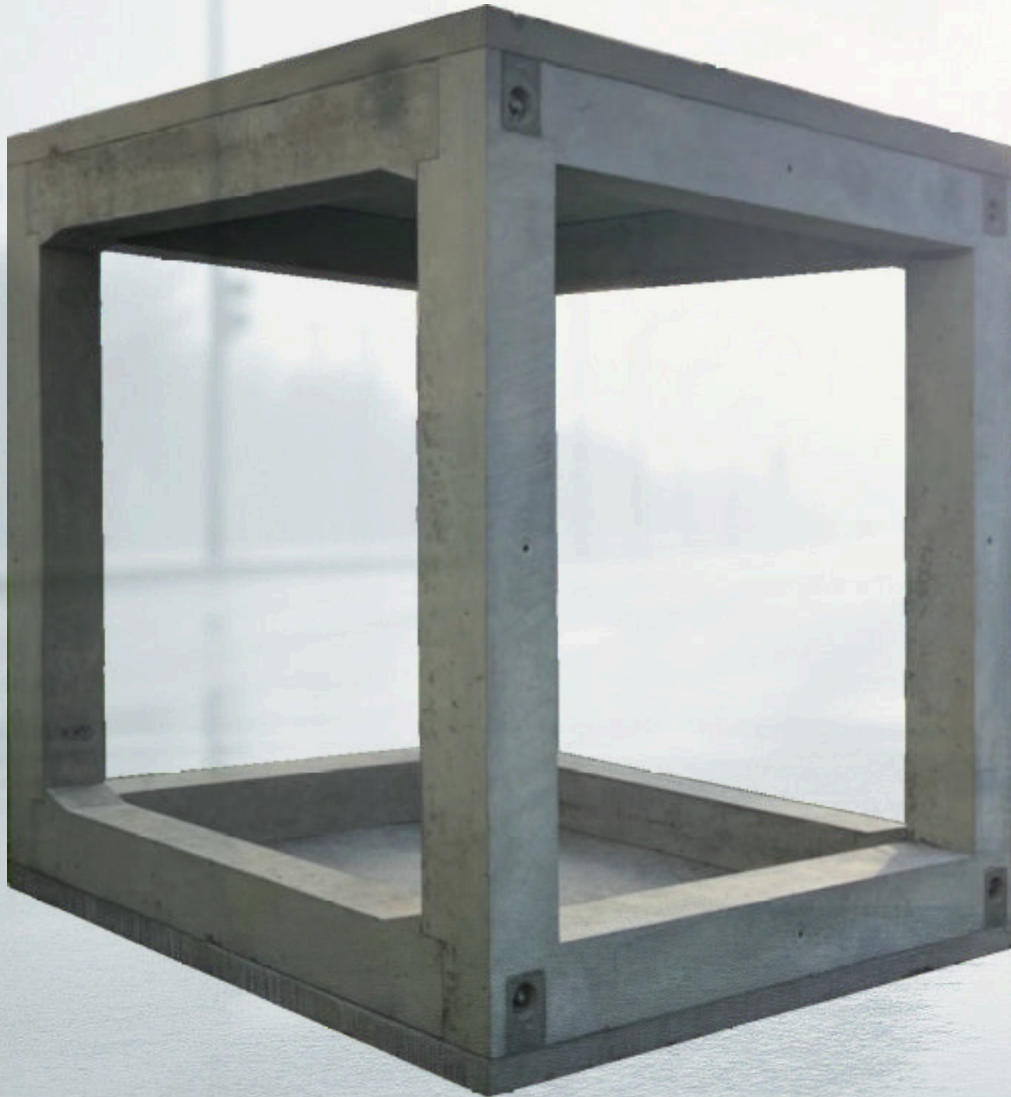
**The Answer:**

☞ **JUMBO BLOCK®**

☞ Retention directly beneath sealed surfaces.



# WHY JUMBO BLOCK® ?



## ENVIRONMENT

- ✓ Less surface sealing
- ✓ Reusable & recyclable
- ✓ Protection of soil and water

## TECHNOLOGY

- ✓ Load-bearing capacity  $\geq F 900$
- ✓ Construction time up to -80%
- ✓ Integration into infrastructure

## ECONOMY

- ✓ Reduced repair costs
- ✓ Eligible for funding
- ✓ Prevention is cheaper than damage control



# THE PROBLEM



☞ **Flooded cities**

☞ **Sealed urban surfaces**

☞ **Increasing rainfall**

☞ **Overburdened sewer systems**



# THE SOLUTION

- ✓ JUMBO BLOCK® as underground water retention
- ✓ Drivable & highly load-bearing  $\geq F 900$
- ✓ Sustainable, durable, modular



1. JUMBO BLOCK®
2. Sedimentation & filtration  
AQUATO® technologies
3. Heavy-duty cover slab
4. Side panel
5. Bottom slab
6. Sealing systems  
SABA joints & coatings

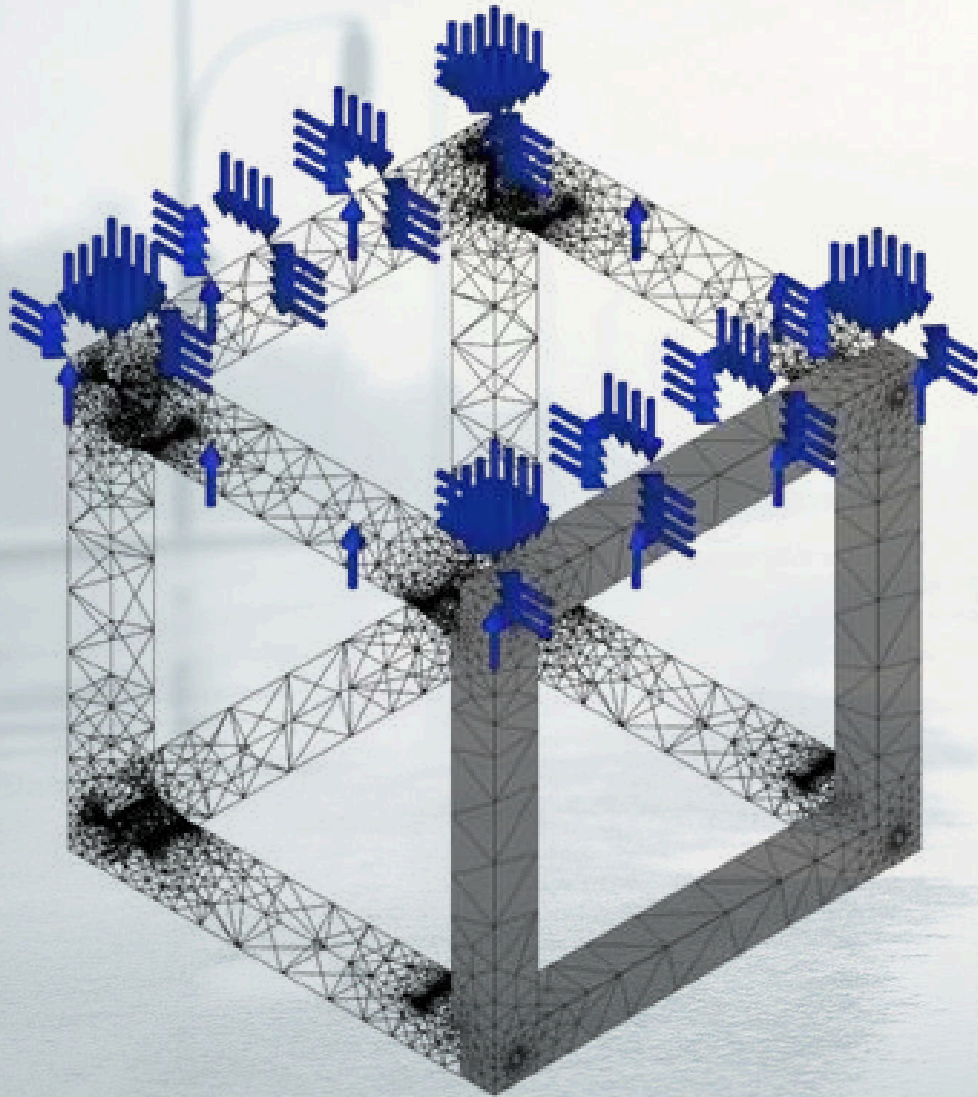
# SEAMLESS INTEGRATION

- ✓ Installation beneath roads, squares & buildings
- ✓ Integration of sewers, supply lines, digital infrastructure
- ✓ Minimal traffic interruption
- ✓ Flexible & scalable
- ✓ Maximum load-bearing capacity
- ✓ Inspection access & protection systems included



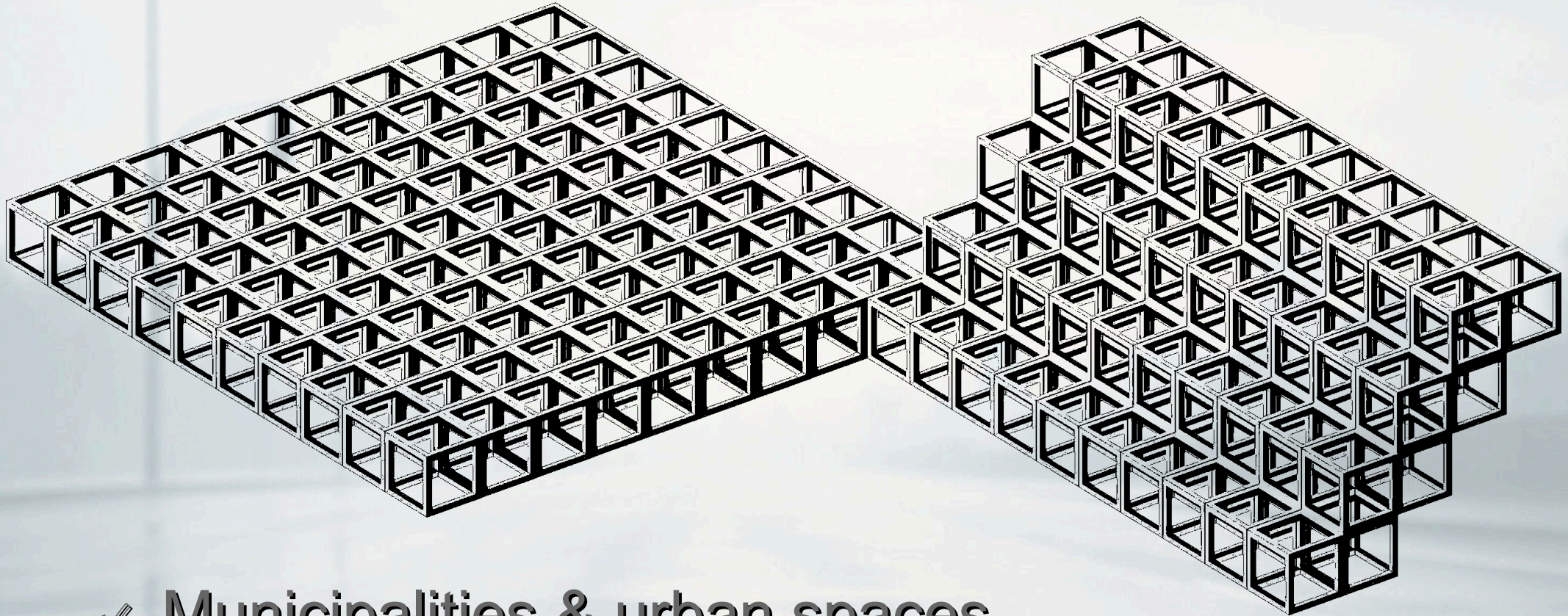


# TECHNICAL KEY DATA



- ✓ 2.5 x 2.5 x 2.5 m per block
- ✓ 13.9 m<sup>3</sup> water per block
- ✓ 2,224 liters of water per m<sup>2</sup> retention surface
- ✓ Reinforced concrete
- ✓ Load-bearing capacity  $\geq F 900$
- ✓ Up to 80% faster installation

# FLEXIBLE APPLICATIONS



- ✓ Municipalities & urban spaces
- ✓ Agriculture & forestry
- ✓ Industry & airports
- ✓ Ports & infrastructure areas
- ☞ Freely scalable



Architecture model as video



# SUSTAINABLE ENVIRONMENTAL PROTECTION



- ✓ Reduction of plastics & synthetics
- ✓ Protection of water and soil resources
- ✓ Reduction of sealed surfaces
- ✓ Environmentally friendly construction materials
- ✓ Recyclable and reusable



# HIGH-STRENGTH MODULES

## FUTURE-PROOF & EXPANDABLE

✓ High-strength modules for bunkers & shelters

✓ Resistant to pressure waves & explosions

✓ Extreme conditions?  
☞ No problem!

☞ Patented concrete formulation for maximum strength



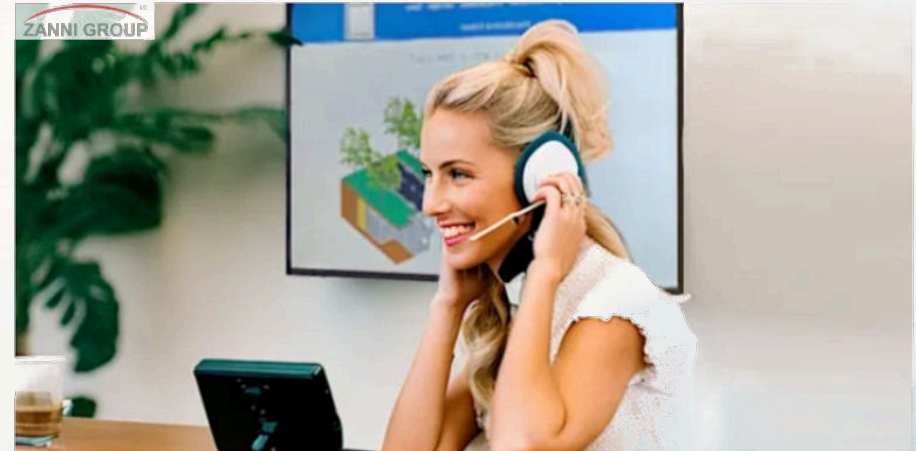
# Thank you for your interest



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**We look forward to your visit to our showroom in Weißensee, Thuringia!**