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Interior courtyard Nicolaus-Cusanus-Haus, Stuttgart
Client: Baugemeinschaft Birkach GBR
Water design: Herbert Dreiseitl
Landscape design: Atelier Dreiseitl/
 G. Bockemühl
Architects: Bockemühl, Weller und Partner
Planning and design: 1987–1990
Construction: 1990–1991

Size: 800 m²
Water surface: 70 m²
Flow rate: 100 l/min
Water depth basin: 25 cm
Water treatment: Self-regulating macro-filter
Pump power: 0.55 kW



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Heiner-Metzger Plaza, Neu-Ulm
Client: City of Neu-Ulm
Water design: Herbert Dreiseitl/
 Atelier Dreiseitl
Landscape design: Atelier Dreiseitl
Planning and design: 2003–2004
Construction: 2004–2005

Size: 2,100 m²
Water surface: 240 m²
Annual rainfall: 750 mm
Rainfall intensity: $r_{5(1)}$ 114 l/s/ha
Drainage method: Sedimentation manhole Ø1,200, infiltration trench, emergency overflow to MW-Canal
Flow rate for hydraulic calculations: $Q_{30}(0.2) = 15$ l/s
Water technique: Circulation rate 42 l/s, Circulation cistern 25 m²
Water treatment: Coarse filter 3 mm, bromine disinfection
Soil permeability factor: 1.3×10^{-4} m/s (backfill, sand)
Infiltration and retention area: 60 m²/20 m² retention volume
Stormwater event: 5 years



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DWR Amsterdam, The Netherlands
Client: DWR Water Management Department
Water design: Atelier Dreiseitl
Architect: Hermann Hertzberger
Planning and design: 2004
Construction: 2005

Site area: 1,880 m²
Water surface: 1,400 m²
Annual rainfall: 819 mm
Rainfall intensity: For overflow 300 l/s/ha
Drainage method: Retention in water basin with fluctuating water-level (0.30 m), overflow to the River Amstel
Circulation rate: 4 l/s
Water treatment: Skimmer, coarse filter, cleansing biotope
Retention area: 1,400 m²
Stormwater event: 7 years



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Restoration of Emscher River
Client: Emschergenossenschaft (German Sewer Management Association)
Landscape architect: Atelier Dreiseitl
Emscher Masterplan consultants: Landschaft, Planen & Bauen, ASTOC Architects & Planners
Planning and design: 2003–2010
Construction: 2007–2014

Emscher watershed area: 430 km²
Emscher length: 60,000 m
Area population: approx. 2 million
Sewage canal length: 51 km
Construction budget: 4.4 billion EUR

Westfalen Stadium:
Disconnection area: 22,000 m²
Soil permeability factor: 10^{-7} m/s
Infiltration and retention area: 2,700 m²
Storage volume: 300 m²
Reduced release rate: 720 l/s (or 20 l/s/ha)

Emscher-Info-Park:
Site area: 65,000 m²
Platform area: 10,000 m²
Sludge tower diameter: 10,000 m²



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Water playground LGS 92, Pforzheim
Client: Stadt Pforzheim
Water design: Herbert Dreiseitl
Landscape design: Atelier Dreiseitl
Planning and design: 1988–1989
Construction: 1990–1991

Size: 4,000 m²
Water surface: 300 m²
System: 80 % circulation with 20 % permanent introduction of fresh water
Total water volume: 60 m³
Flow rate: 150–300 l/min, circulation partially manual