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Landing pier Immenstaad
am Bodensee

Client: Gemeinde

Immenstaad

Water design:

Herbert Dreiseitl

Landscape design:

Wolfgang Holste

Planning and design: 1990

Construction: 1991

Flow rate: 600 l/min

System: Pumped lake water

Pump power: 0.9 kW



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Water concept and design
for research centre, London,
UK

Water concept:

Atelier Dreiseitl

Water design:

Herbert Dreiseitl/Atelier
Dreiseitl

Architect: Norman Foster
and Partners

Planning and design:

2000–2002

Construction: 2002–2004

Site area: Building area
30,000 m²

Site total 72,000 m²

Water surface:

Lake 16,200 m²/25,000 m³

Annual rainfall: 640 mm

Rainfall intensity: $r_{15(1)}$

3.5 l/s/ha

Water treatment:

Cleansing biotope, 2,100 m²
area

Soil permeability factor:

No infiltration

Infiltration and retention

area: Overflow into river
Bourne

Stormwater event: 30 years

Length of cascade: 170 m

Flow rate: 200 l/s (normal)

330 l/s (maximum)

Heat exchanges: 9 mW

Cooling towers: 3 mW



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Center of Excellence
(Maybach), Sindelfingen

Client: DaimlerChrysler

Landscape design and water

design: Atelier Dreiseitl

Planning and design:

2001–2002

Construction: 2001–2002

Size: 5,000 m²

Water surface: 1,050 m²

Annual rainfall: 750 mm

Rainfall intensity: $r_{15(1)}$

3.5 l/s/ha

Circulation rate: 2000 l/min

Water treatment:

Cleansing biotope

Cistern volume: 40 m³

Total water volume:

430 m³ (pond)

Pump power:

10 kW total

Cleansing biotope area:

150 m²

Water depth: 0.40 m (pond)



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Pearl of Hangzhou, China

Client: Shui On Properties

Water concept:

Atelier Dreiseitl

Water design:

Atelier Dreiseitl

Architect:

Wood + Zapata, Shanghai

Planning and design:

2002–2003

Site area: 16,500 m²

Water surface: 5,300 m²

Cooling cascade: 250 m²

Water features: 1,300 m²

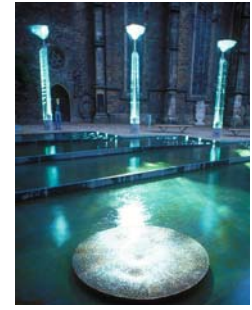
Waterfront: 300 m

Cleansing biotope: 3,000 m²

Annual rainfall: 1,500 mm

Rainfall intensity: $r_{15(1)}$

3.5 l/s/ha



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EXPO 2000 Water-
traces Hann. Münden

Client: Stadt Hann. Münden

Water design: 'Szene'

Herbert Dreiseitl

Planning and design:

Atelier Dreiseitl

Planning of squares:

BSF, Ulrich Franke

Artists:

'Hoch' Diether Heisig,

Uli Westerfrölke (air)

'Serie Speier' Jens and Hans-

Werner Kalkmann

'Tief und Streuung' Wolfgang

Rossdeutscher

'Klang, Dramaturgie'

Andres Bosshard

Water carpet and sound/

light steles (steel):

Metallatelier Fuchs

Glass:

Glasgestaltung Dierig

Planning and design:

1997–1999

Construction: 1999–2000

Size 'Szene': approx. 1,100 m²

Water surface: 180 m²

Flow rate: 400 l/min

Water depth: 4 cm

Cistern volume: 35 m³

Water treatment:

Reversible automatic

sandfilter

Pump power: 10.5 kW total

Catchment area: Church,

townhall 2,000 m²

Lighting: 50 m fibre optics

cables