Giornate **aicap**

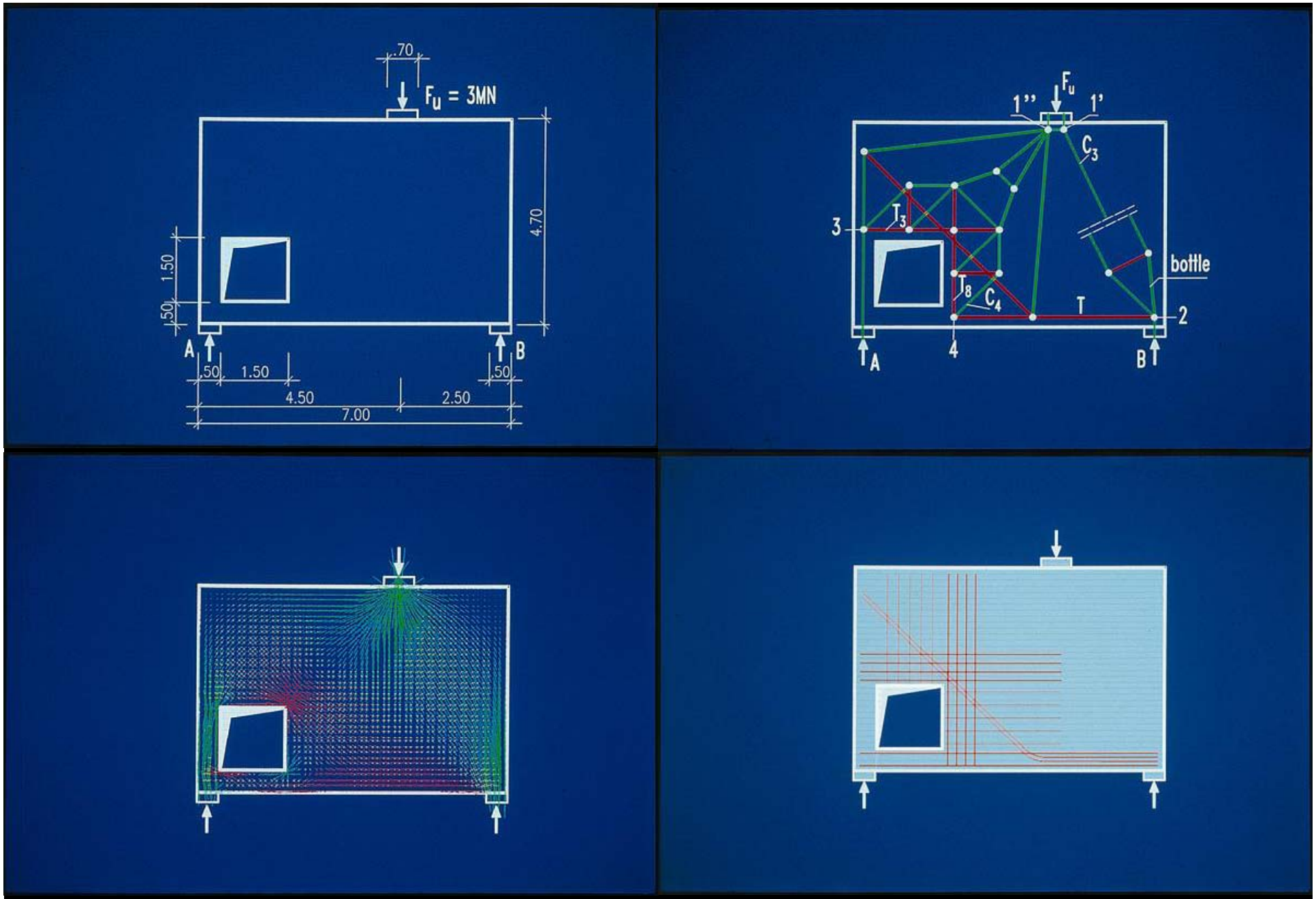
Salerno 4-6 Ottobre 2007

Some Concrete Structures

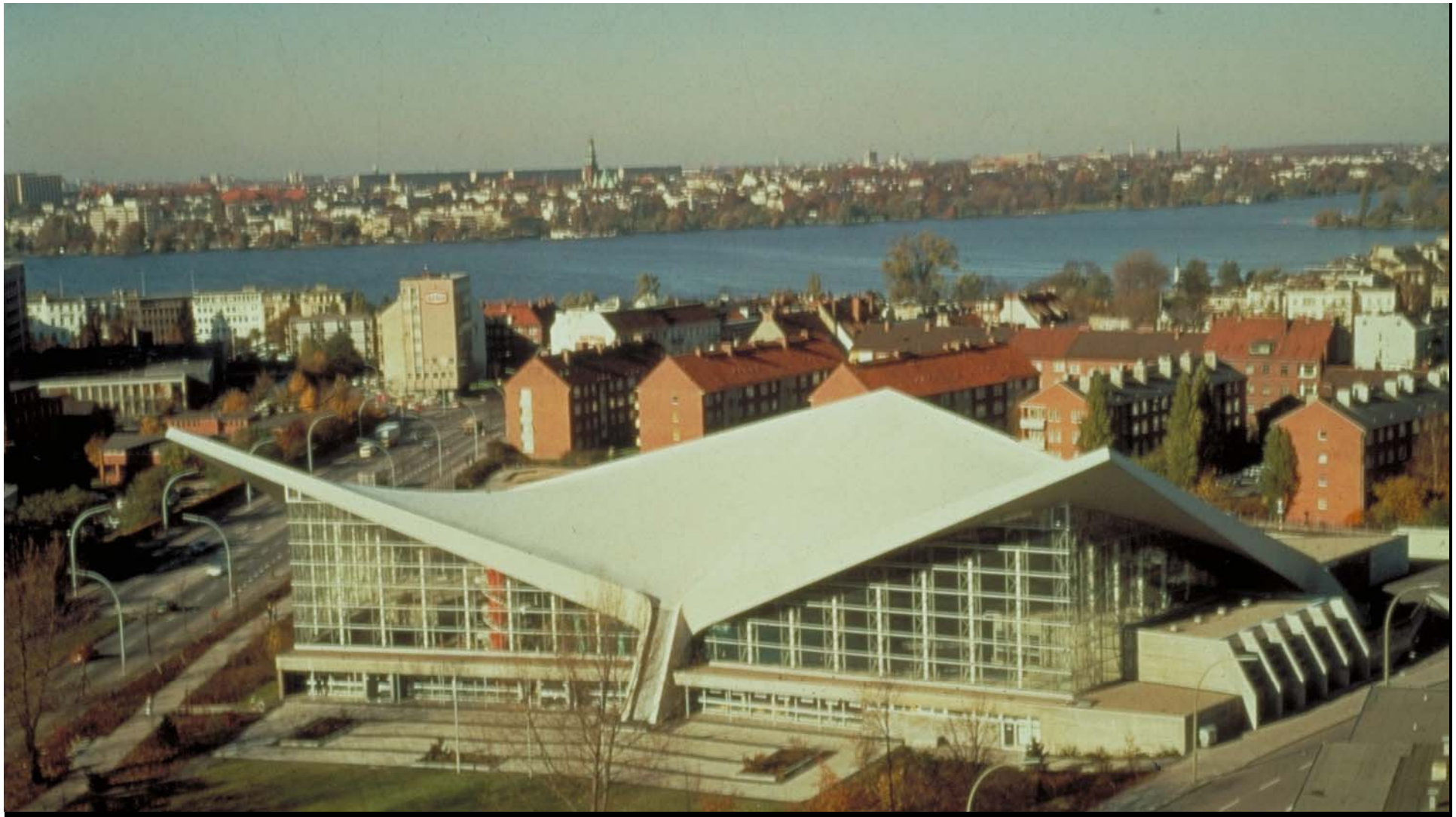
designad by

Jörg Schlaich

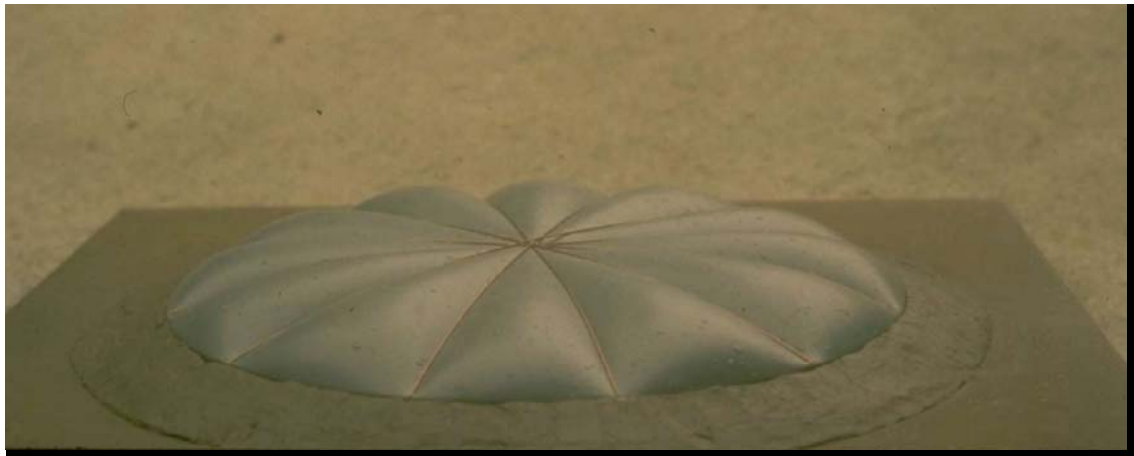
Bridge in Stuttgart Span 130 m 2003



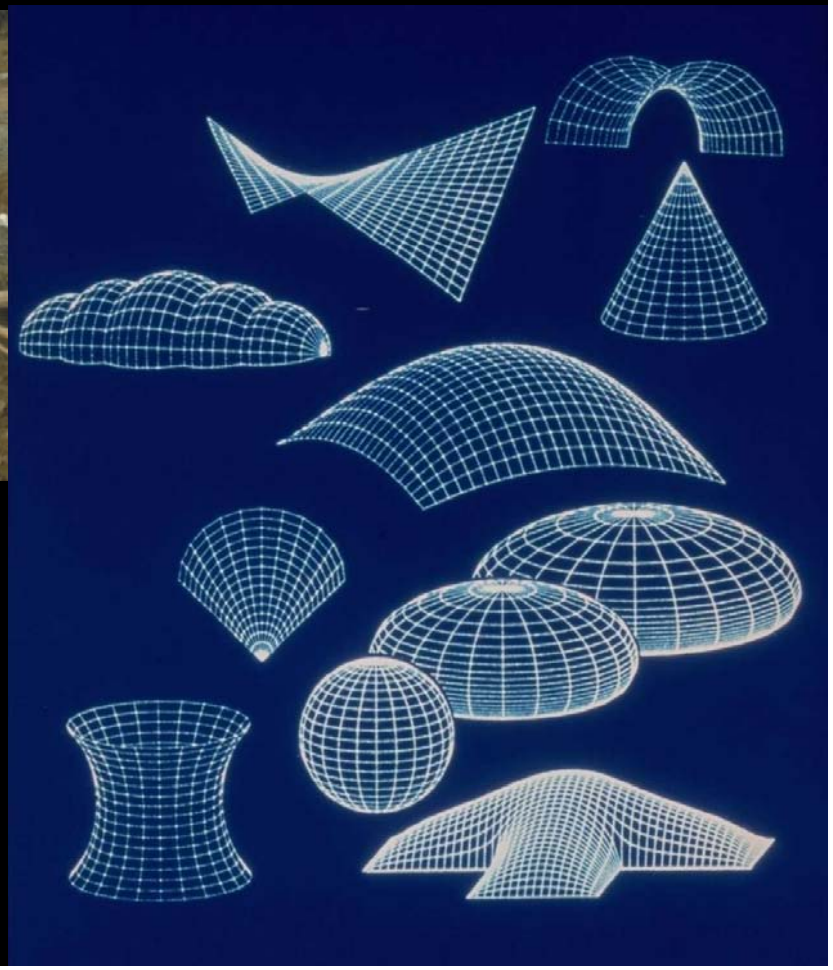
Design of reinforced concrete structures with Strut-and-Tie-Models



Alster Indoor Swimming Center, two Hypa-shells Span around 100 m 1967



Rain Storage Basin, Pneumatic formwork 1983



Garden Exhibition Shell Roof Glas-fibre reinforced concrete Span about 30 m 1977

Green Bridge - Concrete arch / folded plate 1977

Autobahn overpass P/C Span 18-45-17 m 1992

Lahn Railway Bridge project Limburg 1995

Glacis Bridge Ingolstadt Cable-supported deck Length 164 m / Main span 105 m 1998

Bridge over Nesenbach Valley, Stuttgart Concrete deck with tubular steel truss support Total length 151 m / Main Span 49.50 m 1999

Pedestrian Bridge over Neckar River near Max-Eyth See Suspension bridge with concrete deck Span 114 m 1988

Evripos Bridge Greece Cable-stayed concrete bridge Spans 90-215-90 m 1992

Macao Taipa Crossing 1994

Ting Kau Bridge Cable-stayed bridge with composite deck and concrete masts Total length 1177 m Spans 127-448-475-127 m 1999

Bridge West Tangente Kelheim Span 71 m 1998

Börstel Bridge Stress-ribbon on concrete arch Total length 96 m Span 25-20-35 m 2000

Bridge over A8, Leonberg Concrete deck with tubular steel tree columns Total length 85 m Span 19 - 40 - 26 m 1997

Bridge over Pragsattel at Stuttgart Concrete deck and tubular steel tree columns 1992

Bridge at Pragsattel, Stuttgart Concrete deck with steel arch (deck-stiffened arch) 1992

Schattenring Stuttgart Concrete deck with steel arch (deck-stiffened) arch 2002

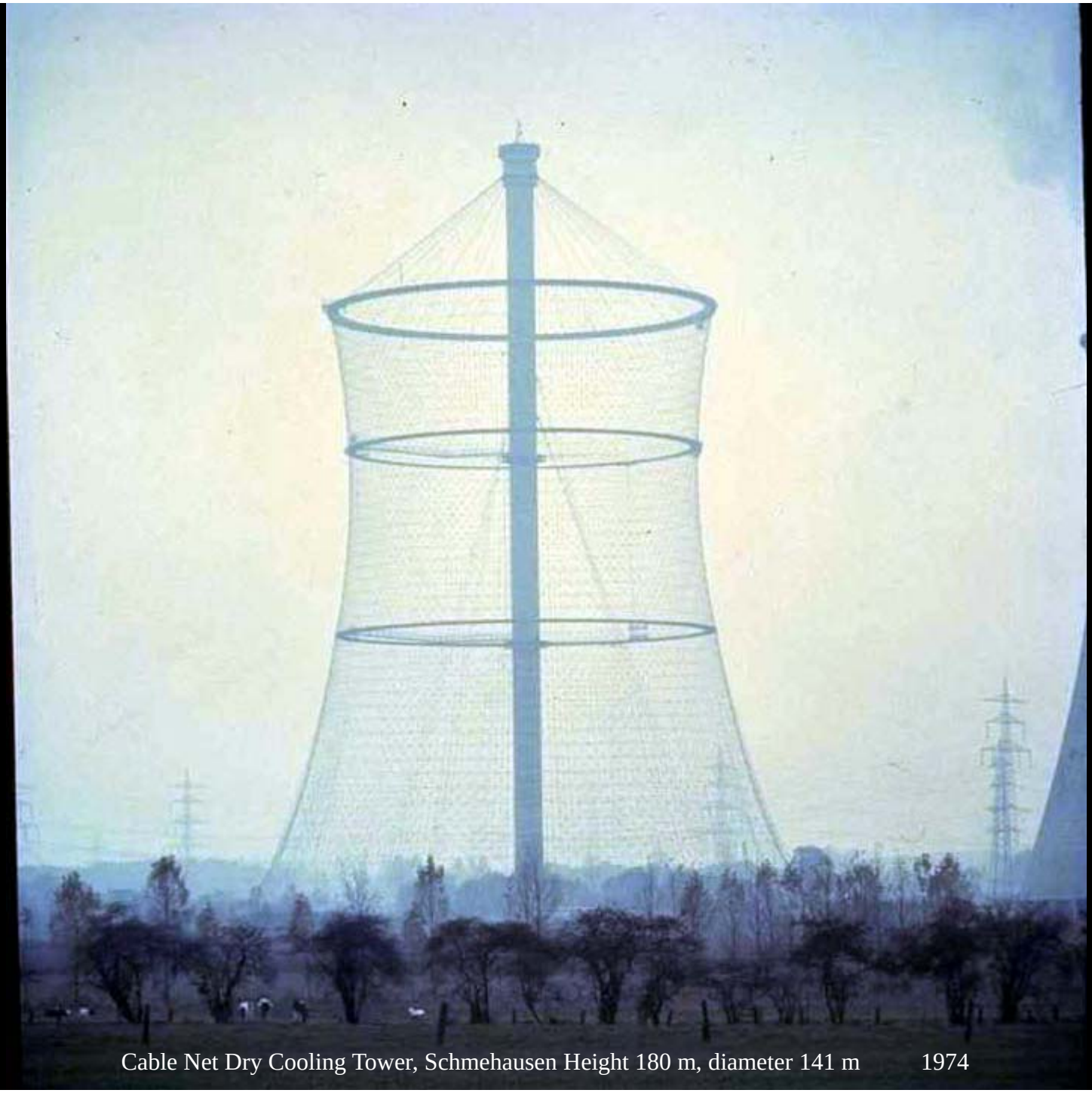
Footbridge Cité Baden-Baden Length 38 m 2006

Humboldthafen Railroad Bridge Berlin Concrete deck with steel arch (deck-stiffened arch) Total length 190 m Main Span 60 m 1999

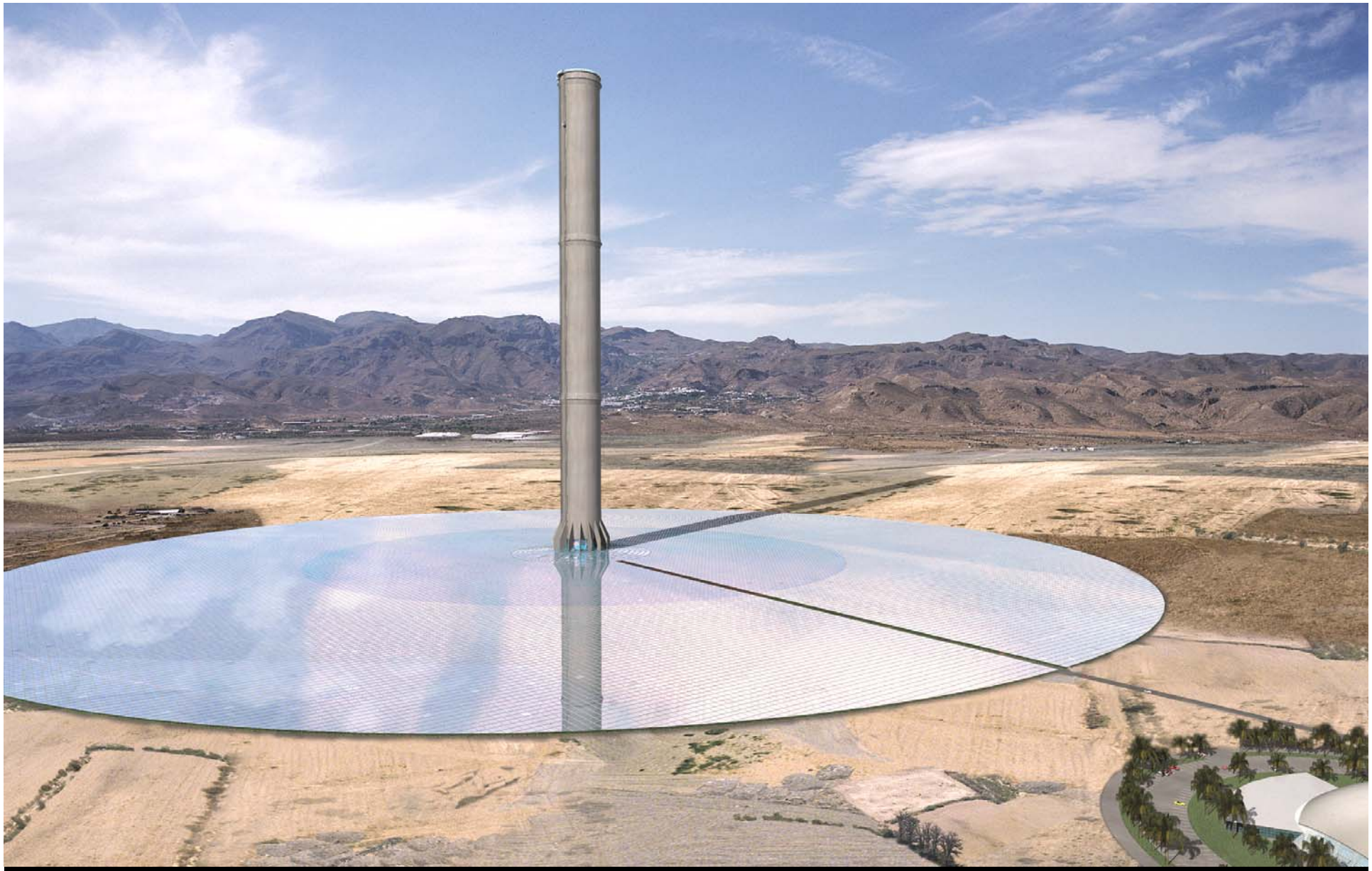
Bridge Auerbachstrasse across Heilbronner Strasse Stuttgart 2003

Communication Tower Cologne 1980

Communication Tower Kiel 1976



Cable Net Dry Cooling Tower, Schmehausen Height 180 m, diameter 141 m 1974



Solar Updraft Tower, project 200 MW, diameter of collector roof 7,000 m Height of concrete tube 1,000 m