



## Expo.02 / Arteplages Morat, Yverdon, Bienne, Neuchâtel

Swiss National Exhibition / Sites

Client  
Engineer  
Planner  
Contractor, Owner

**Morat Arteplage**  
Expo.02  
Emch + Berger AG Berne  
Jean Nouvel Paris  
Marti AG Moosseedorf

Client  
Engineer  
Contractor, Owner

**Yverdon Arteplage**  
Expo.02  
Emch + Berger AG Bern  
Marti AG Moosseedorf

Client  
Main Contractor  
Sub-contractor of HRS + Batigroup  
for Water Engineering Works  
Contractor

**Bienne and Neuchâtel Arteplages**  
Expo.02  
HRS + Batigroup  
  
Marti AG Moosseedorf  
Marti AG Moosseedorf



### Assembly / Disassembly

2001 / 2004

#### Services

##### Morat Arteplage

Floating platform for the Monolith

- Platform size: 34 m side length
- Monolith height: 34 m
- Production of 100 concrete elements
- Erection and pre-tensioning of the platform in Sugiez
- Anchorage of the Monolith like a boat
- The anchorage consists of 24 cables and chains which are fastened to piles in the lakebed (3,300 m of cables and chains)
- The Monolith platform carries the complete load of 4,122 tonnes

##### Yverdon Arteplage

Cloud foundation with 4 piers

- Construction of the foundation underwater by means of 1,800 m of rammed steel girders as well as concrete foundations. Degree of accuracy of position (underwater) +/- 3 cm

##### Bienne and Neuchâtel Arteplages

- Assembly and disassembly of the Helix Bridge in Bienne including piers (bridge length 1,000 m)
- Dismantling of the complete platform on the water 13,500 m<sup>2</sup> Bienne / 26,000 m<sup>2</sup> Neuchâtel
- Dismantling of the wooden decks
- Disassembly of the 700 steel pipes, diameter 500 mm, length 50 m / pile
- Dismantling of 16 km of steel girders
- All materials were transported on the water to and from Cornaux (total 10,000 tonnes)

1. Assembly of the floating platform for the Monolith in Sugiez
2. Monolith platform has anchorage in Morat
3. Foundation of the Yverdon Arteplage
4. Bienne Arteplage with Helix Bridge
5. Bienne Arteplage

