

Project:

OSLO FLOATING PARK & LIDO

LOCATION:

Oslo

YEAR:

2013-2015

CLIENT:

AF Anlegg

SCOPE/PHASE:

Feasibility study and detail design

PROJECT RESPONSIBLE:

Rune Jerstad (rje@olavolsen.no)



Project description:

Park at sea is a floating concrete structure designed as urban water park, located outside Sørenga pier in Oslo.

The park is made of 3 connected floating concrete elements that form a 140mx28m platform. It is moored to shore through two gangways and to the seabed with a pile. The concrete elements were built in dry dock and towed separately to Oslo where they were connected and installed. The concrete elements consist of thin concrete walls under a concrete slab. In between the walls, XPS blocks give the element the necessary buoyancy volume. Non-linear analysis was performed to design the concrete structure, which allowed a significant reduction in concrete volume.

The project was executed as a Design and Build contract. Dr.techn. Olav Olsen took the Construction Consultant Engineer position in AF Anlegg company for Bjørvika Infrastruktur. Dr.techn. Olav Olsen developed the floating solution and performed the detail design of floating elements and moorings.