

Hochwasserschutz Linth 2000

Maître d'ouvrage

Linthverwaltung, Lachen

Mandataire

IUB Engineering AG and IM Maggia Engineering AG in engineering consortium

Période

Project processing: 2003–2014
Construction period: 2008–2012

Coûts de construction

CHF 125 Mio.

Prestations

Project stages worked on

- Preliminary clarifications, preliminary project, participation procedure and evaluation of expert reports, construction project, public project, monitoring of public project / objection procedure, implementation of immediate measures for the Escher canal, overall project management from 2007 onwards.

The planning in the preliminary project and the construction project/submission project comprised all services according to SIA 103 and in particular:

- Dam rehabilitation, new side water bodies, ecological measures, costs of construction planning, traffic and development concepts, coping with overloads, dealing with historical buildings, construction in protected zones and areas.

Description

The goal of the "Linth 2000" project was to protect the plains between Näfels/Mollis and the Obersee (Lake Zurich) from flooding. The existing hydraulic engineering facilities of the Linthwerk were comprehensively overhauled so that a hundred-year flood can be discharged without damage. More extreme flood events can also be handled without causing extensive damage. The project required a comprehensive geotechnical rehabilitation of the current dams over long stretches and an improvement in accessibility for maintenance and intervention. The side channels were relocated to the outside in places and revitalised. In addition, the river habitat was widened through various measures: River widening, connection of old courses, newly created watercourse sections, creation of reed and floodplain areas, and removal of the longitudinal shoring in places. It had to be taken into account that the historical and landscape-shaping value was not lost.

