

New in the *Construction and Design Manuals* series by DOM publishers:

Jürgen Lange / Natascha Meuser (eds)

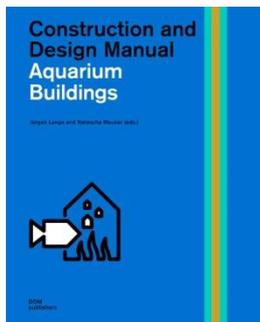
Aquarium Buildings

From historical pleasure aquariums to maritime education facilities: climate change and growing environmental awareness are the main reasons that maritime museums and aquariums are currently experiencing a boom in visitor numbers. And yet this - admittedly rather rare - type of building is almost non-existent in architectural discourse or the specialist literature. The task of designing a large aquarium, however, presents architects with a multiplicity of challenges - especially when it comes to the fundamental elements of interior design which must be meshed with special requirements concerning building technology - and therefore deserves a closer look.

Edited by Natascha Meuser and Jürgen Lange, the Construction and Design Manual *Aquarium Buildings* is the first publication to specifically highlight the necessary aspects regarding construction, interior design and technical details of the aquariums themselves when it comes to the best-possible animal welfare practices. The study follows the evolution of architecture and exhibition didactics of these artificial underwater worlds and analyses more than 50 historical and contemporary buildings, dating from 1853 to today, from all four corners of the globe. The descriptions are supplemented with layout plans, images, cross sections and detailed project data. On the basis of this analysis trends and reoccurring themes can be recognised which can be of relevance to the next generation of aquariums. It also allows the formulation of ten parameters which may serve as guidelines in the design of future buildings

The aim of this publication is to provide architects and their clients with planning parameters and quality criteria to help them in designing a sustainable building. It provides targeted support for the development of a design, but can also be used as a basis for communication between all parties involved in planning and construction, so that a project can be developed that satisfies the requirements of the animals and their caretakers as well as the visitors - and therefore the aquarium as a whole.

This book is the sixth volume in a series of publications by the Institute for Zoo Architecture at Anhalt University of Applied Sciences in Dessau.



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Aquarium Buildings

Construction and Design Manual

With forewords by Theo B. Pagel and Philippe Vallette and further contributions by Peter Chermayeff, Claudia Luxbacher, Motofumi Tai and Dieter Baklow

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The *Construction and Design Manuals* series by DOM publishers lists architectural handbooks that combine solid research with high aesthetic standards. These useful companions provide inspiration and valuable information for architects and their clients alike. Teachers and students of architecture will find them an easy-to-use learning tool. Internationally available. For further information please go to: www.dom-publishers.com