

CONTENTS

01	<u>THE HISTORY OF THE SHIPPING CONTAINER</u>	6		
	Background			
02	<u>FROM THE CONTAINER TO AN ARCHITECTURE</u>	8		
	Introduction			
03	<u>USE OF CONTAINERS</u>	11		
04	<u>CONTAINERS AS BUILDING MODULES</u>	14		
	Fundamentals			
	Definition	14		
	Principles	15		
	Foundation	16		
	Construction physics	17		
	Construction law	17		
	Economic aspects	18		
	Ecological aspects	18		
	International aspects	18		
05	<u>CONTAINERS AS BUILDING BLOCKS</u>	20		
	Type 1/Freight containers	21		
	Definition	22		
	Standard	22		
	Dimensions	22		
	Weights and loads	23		
	Types	24		
	Costs	25		
	Transportation	26		
	Production	26		
	Construction	27		
	Technical equipment	28		
	Security	29		
	Type 2/Building containers	30		
	Definition	30		
	Standard	30		
	Use	30		
	Types	32		
	Dimensions	32		
	Construction	33		
	Production	34		
	Transportation	34		
	Variants	36		
	Construction physics	36		
	Economic aspects	36		
	Special forms	37		
	Type 3/Container frames	38		
	Type 3A: Modular frame systems	38		
	Definition	38		
	Development	38		
	Use	38		
	Dimensions	39		
	Production	39		
	Construction	40		
	Transportation	40		
	Construction physics	40		
	Economic aspects	41		
	Ecological aspects	41		
	Type 3B: Container frame systems	42		
	Definition	42		
	Dimensions	42		
	Use	42		
	Construction	42		
	Technical fittings	44		
	Economic aspects	44		
	Ecological aspects	44		
	Remarks	45		
06	<u>STRUCTURAL DESIGN ASPECTS: FREIGHT CONTAINERS</u>	46		
	Guest contribution from the engineer Douwe de Jong			
07	<u>PROJECTS</u>	48		
	List of projects			
	Projects	50		
08	<u>OUTLOOK</u>	238		
09	<u>APPENDIX</u>	239		
	Timeline	240		
	Index of Images	242		
	Bibliography	243		
	Containers in general	243		
	Freight containers	243		
	Building containers	243		
	Container frames	243		
	List of companies	244		
	Freight containers	244		
	Building containers	244		
	Container frames	244		
	Organizations	245		
	Regulatory works	245		
	Standards	245		
	Guidelines	245		
	Glossary	246		
	Index of projects	248		
	Editors	255		
	Imprint	256		