

The Engineer's Contribution to Contemporary Architecture

PETER
RICE

André Brown



Thomas Telford

Endorsed by



RIBA Publications

  HOCHSCHULE
LIECHTENSTEIN
Bibliothek

Contents

One	Rice, engineering and architecture	11	Nine	Structural fabrics	103
	Confident, competent and a risk taker	12		Introduction	104
	Contribution to architecture and engineering	16		Lords Mound Stand	105
	Engineer or architect?	17		Les Nuages, Tête Défence, Paris	107
Two	Themes and influences	23	Ten	Glass and steel	113
	Materials	24		Pyramids at the Louvre	114
	Responding to qualities	26		Grand Ecran	119
	New ideas	27		Humans in transit	120
	Mathematics	27		TGV/RER railway station, Paris	120
	Mystery and potential instability	29		Paris Charles de Gaulle Airport	125
	...and Mastery	30		Kansai Airport	127
	Inventiveness and reflection	31		Stansted Airport	130
Three	Sydney Opera House	35	Eleven	Bridges and sculptures: artists and architects	133
	The project, the lessons	36		Bernard Tschumi	134
	The less obvious influences	41		Frank Stella	136
	Between the Opera House and Beaubourg	43		Marc Held	137
Four	Beaubourg	47		Kisho Kurokawa	139
	The engineer as designer	48	Twelve	Stone and tension	143
Five	France, language and RFR	59		Pavilion of the future: Seville	145
	France	60		The structure	148
	RFR	61		Final notes	151
	Language	62		Cathédral Notre Dame de la Treille, Lille	152
Six	La Villette	65		Chiesa Padre Pio	155
	The project	68	Thirteen	The legacy	159
	The Bioclimatic Façade: Les Serres	68		An archetypal Rice building	160
Seven	Piano and Rice	75		Luxembourg Museum	164
	IBM Travelling Pavillion	77	Fourteen	Conclusions	167
	The Menil Collection	80	Endnotes		172
	Bari Stadium	87	Selected List of Works		176
Eight	Rogers and Rice	93	Bibliography		182
	Lloyds of London	94	Index		184
	Building	97			