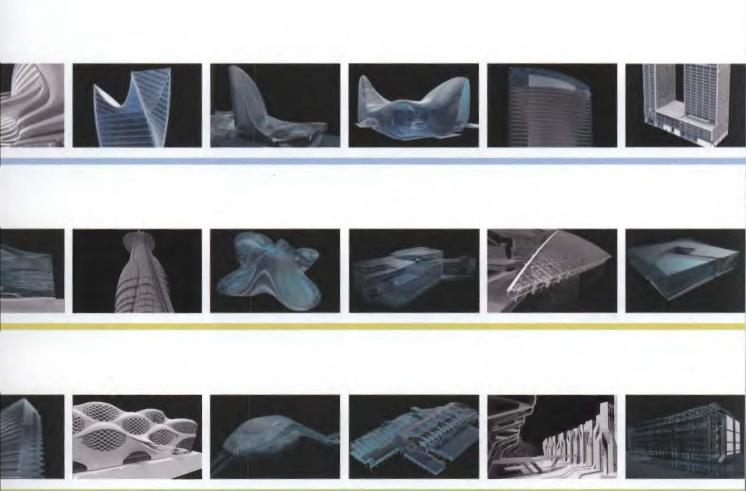
# MODERN CONSTRUCTION CASE STUDIES

Emerging Innovation in Building Techniques

## **ANDREW WATTS**



### INTRODUCTION

Foreword	4
Scope of this book	5
Comparison of projects	8
Current and emerging technologies	10
Design method and project management	13
Analysis method and scientific foundations	16
Design implementation and research method	2

### COMPLEX GEOMETRY



1 Galaxy Soho 24
Beijing, China.
Architect: Zaha Hadid Architects



2 Evolution Tower Moscow, Russia. Architect: RMJM



3 Hotel 44
Riyadh, Saudi Arabia.
Architect: Gensler



**4** Heydar Aliyev Cultural Centre 56 Baku, Azerbaijan. Architect: Zaha Hadid Architects



**5** Burjuman Tower 66 Dubai, UAE. Architect: Kohn Pedersen Fox

### REFERENCES

Authorship 220
Index 222
Further reading 223

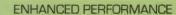


**6** Burj Alshaya Kuwait City, Kuwait. Architect: Gensler 76

34

# **CONTENTS**

### INNOVATIVE CONSTRUCTION





7 Dance & Music Centre
The Hague, Netherlands.
Architect: Zaha Hadid Architects



88

98

122

132

144

**13** Burjuman Apartments Dubai, UAE. Architect: Kohn Pedersen Fox

156

190



8 K. Çamlica TV Tower Istanbul, Turkey. Architect: Melike Altinisik



**14** KAFD Metro 166 Riyadh, Saudi Arabia. Architect: Zaha Hadid Architects



9 Meixihu IC&A Centre 110Changsha, China.Architect: Zaha Hadid Architects



**15** Grand Théatre 178
Rabat, Morocco.
Architect: Zaha Hadid Architects



10 Federation Square
Melbourne, Australia.
Architect: LAB Architecture



**16** The Avenues Kuwait City, Kuwait. Architect: Gensler



11 New Port Centre Doha, Qatar. Architect: LLewelyn Davies



17 Stone Towers 200
Cairo, Egypt.
Architect: Zaha Hadid Architects



**12** City Museum Istanbul Istanbul, Turkey. Architect: Salon Architects



**18** Holland Park School 210 London, England.
Architect: Aedas