

CONTENTS

Foreword	vii
Preface	ix
About the authors	xiii
 Introduction to project risk management	 1
 Part I The basics of project risk management	 11
1 The project risk management approach	13
2 Establish the context	19
3 Risk identification	37
4 Qualitative risk assessment	45
5 Semi-quantitative risk assessment	59
6 Risk treatment	73
7 Monitoring and review	89
8 Communication and reporting	93
9 Project processes and plans	101
10 Simplifying the process	109
11 Managing opportunities	125
12 Other approaches to project risk management	137
 Part II Extending the basic process	 145
13 Case study: tender evaluation	147
14 Contracts and risk allocation	161
15 Market testing and outsourcing	171
16 Public-private partnerships and private financing	183
17 Technical tools and techniques	203
18 Introduction to environmental risk management	225
 Part III Quantification of project risks	 249
19 Introduction to quantification for project risks	251
20 Cost-estimating case studies	263
21 Case study: planning a timber development	279
22 Capital evaluation for large resource projects	295

23	Risk analysis and economic appraisal	311
24	Conclusions	321
Part IV Additional information and supporting material		329
25	Risk management process checklist	331
26	Worksheets and evaluation tables	335
27	Examples of risks and treatments	357
Glossary		371
References		375
Index		379