1. Record Nr. UNINA9910140461503321 Autore Keane P. J (P. John) Titolo Delay analysis in construction contracts / / P.J. Keane & A.F. Caletka Chichester, West Sussex, United Kingdom; ; Hoboken, New Jersey:,: Pubbl/distr/stampa John Wiley and Sons, Inc., , 2015 1-118-63113-7 **ISBN** 1-118-63110-2 Edizione [Second edition.] Descrizione fisica 1 online resource (291 p.) Disciplina 690.068/5 Construction industry - Cost control Soggetti Construction industry - Planning Production scheduling Construction contracts Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Cover: Title Page: Copyright: Contents: About the Authors: Preface to the Second Edition; Preface to the First Edition; Chapter 1 Introduction; 1.1 General; 1.1.1 Purpose of this book; 1.1.2 Guidance; 1.1.3 Construction planning and programming; 1.2 Construction delays; 1.2.1 Identifying delays; 1.2.2 Analysing construction delays; 1.2.3 Delay claim life cycle; 1.3 Burning issues in delay analysis; 1.4 Presentation and case study; Chapter 2 Construction Programmes; 2.1 Introduction; 2.1.1 Planning, programming and project controls; 2.1.2 Elements of a successful project 2.2 Planning and programming2.2.1 Project planning; 2.2.2 Work breakdown structure; 2.3 CPM programming techniques: the fundamentals; 2.3.1 Activity durations; 2.3.2 Activity relationships; 2.3.3 Event date calculations; 2.3.4 Forward pass; 2.3.5 Backward pass; 2.3.6 Total float; 2.3.7 Constraints; 2.4 Baseline validation; 2.4.1 Joint baseline review; 2.4.2 Programme approval; 2.4.3 The project baseline; 2.5 Other planning techniques; 2.5.1 PERT - Project Evaluation and Review Technique; 2.5.2 Gantt charts (bar charts); 2.5.3 Line of

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Sommario/riassunto

The most significant unanticipated costs on many construction projects are the financial impacts associated with delay and disruption to the works. Assessing these, and establishing a causal link from each delay event to its effect, contractual liability and the damages experienced as a direct result of each event, can be difficult and complex. This book is a practical guide to the process of delay analysis and includes an indepth review of the primary methods of delay analysis, together with the assumptions that underlie the precise calculations required in any quantitative delay analysis. T