1. Record Nr. UNINA9910821660103321

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Titolo	The engineer's manual of construction site planning / / Juri Sutt, Irene Lill, Olev Muursepp
Pubbl/distr/stampa	Chichester, England : , : Wiley Blackwell, , 2013 ©2013
ISBN	1-118-55605-4 1-118-55607-0 1-118-55608-9
Descrizione fisica	1 online resource (197 p.)
Disciplina	692.1
Soggetti	Building sites - Planning Building - Superintendence Civil engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The Engineer's Manual of Construction Site Planning; Copyright; Contents; List of Figures; List of Tables; About the Authors; Preface; Introduction; Chapter 1 Initial data; 1.1 The project (design) documentation; 1.2 The bill of quantities and the bill of activities; 1.3 Job descriptions and specifications; 1.4 The contract conditions set out in the bidding invitation documents; 1.5 The report of the construction site inspection; Chapter 2 Outline of site management planning in the bidding stage; 2.1 The goal; 2.2 The explanatory note; 2.3 Construction site layout 2.4 The construction time schedule2.5 Cost estimation of temporary works and construction site set-up; Chapter 3 Outline of site management after contract signature; 3.1 The goal; 3.2 Initial data; 3.3 Construction site layout; 3.4 Construction scheduling; 3.5 Calculation of site work quantities and estimate of costs; Chapter 4 Suggestions for choosing construction cranes; 4.1 General; 4.2 Selection and positioning of tower cranes; 4.2.1 Selection of tower cranes; 4.2.2 Positioning the crane; 4.2.3 Crane impact areas; 4.2.4 Using several tower cranes simultaneously

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6.2 The duties of building contractors6.3 The obligations and rights of the labourer; 6.4 Ensuring safety on the construction site; 6.4.1 General; 6.4.2 Safety requirements in a work zone; 6.4.3 Special requirements for assembly works; 6.4.4 Special requirements for work in pits, wells, in tunnels and earthworks and underground; 6.4.5 Special requirements for working at height and on roofs; 6.4.6 Special requirements for demolition work; 6.4.7 Ventilation in the workplace; 6.4.8 Emergency exits from the workplace; Chapter 7 Requirements for work equipment; 7.1 General requirements
7.2 Mobile work equipment

Sommario/riassunto

This handbook addresses problems facing the engineer when preparing to build, both during the contract bidding phase and after a contract has been concluded. It offers clear guidelines for planning the resources and machinery on site, as well as the safe positioning of roads, cranes, storage and temporary buildings. Site planning activities are presented here in logical sequence, offering an efficient and safe design of the construction site and of the temporary works. The book describes the process of engineering preparation of on-site construction works in all phases of the co