1. Record Nr. UNINA9910438071603321

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Titolo	Lean and Cleaner Production : Applications in Prefabrication to Reduce Carbon Emissions / / by Peng Wu, Sui Pheng Low
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	3-642-42062-1
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (362 p.)
Disciplina	330 333.7 658.4/08 658.5
Soggetti	Production management Environmental economics Production Environmental Economics
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 at the end of each chapters.
Nota di contenuto	Introduction -- Sustainable Development and Global Climate Change -- Lean Production Philosophy -- The Precast Concrete Industry -- Modelling the Lean Production Philosophy -- Research Design and Methodology -- Applications in Precast Concrete Factories -- Case study of a Precast Concrete Factory -- Precast Concrete Products in Construction Sites -- Case study of a Construction Site -- Carbon Labelling and Reflections -- Conclusions and Recommendations -- References.
Sommario/riassunto	This book explains how in moving towards Cleaner Production, the Lean Production Philosophy can be applied to reduce carbon emissions in prefabrication - one major source of the Greenhouse Gas (GHG) emissions which contribute to global climate change. This book examines theories and principles in the Lean Production Philosophy to develop situation-based carbon reduction strategies for precast concrete manufacturers and contractors in terms of Site layout, Supply Chain, Production, Stocks and Installation Management. It presents the

empirical findings of surveys and case studies with managers and professionals working for precasters and contractors in Singapore, findings which provide good practical guidance for precast concrete manufacturers and contractors to achieve low carbon emissions and to perform better in many sustainability-based rating systems, such as the Singapore Green Labelling Scheme and the Building and Construction Authority (BCA) Green Mark Scheme.