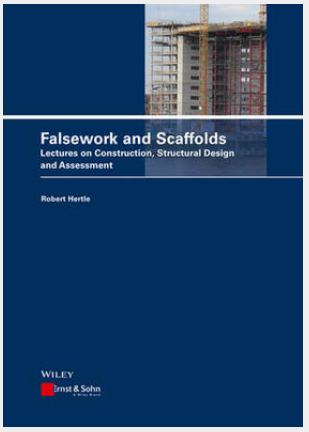
Hertle

Falsework and Scaffolds

Lectures on Construction, Structural Design and Assessment

When designing and realizing commercial buildings, plants, bridges, tunnels and other types of engineering constructions as well as when defining constructions sequences in ship yards and process oriented measurements in other industrial branches, it is crucial to take concern of the essential boundary conditions resulting from the choice of temporary works equipment, e.g. falsework, formwork and both working and access scaffolds, and protection scaffolds. In addition it is essential to comprehend temporary works equipment as an integral part of the building site technology. An appropriate analysis of the interaction between temporary works equipment and the future construction, considering structural aspects as well as work on site aspects, is essential for the overall success of a project. The European harmonization and standardization process results in updating and modernizing the generally acknowledged set of technical regulations for temporary works equipment. This book focuses on selected topics of temporary works equipment, especially on structural and safety aspects. It is based on twenty years of experience in planning and consultancy in structural engineering, e.g. bridges, industrial plants, temporary structures. The author brings in his background knowledge from the European and German standard committees.

Gerüste werden im Hoch-, Anlagen- und Brückenbau in großer Vielfalt verwendet. Dieses Handbuch fasst Grundlagen und praktische Erfahrungen für die Konstruktion, Bemessung und Prüfung der Tragwerksplanung sowie die komplexen Bauprozesse bei temporären Tragwerken zusammen.



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