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   Nota di contenuto   Introduction and Background to Reskilling and Upskilling for Construction 4.0 technologies -- Construction 4.0 Technologies -- Reskilling and Roles of Stakeholders for Implementation of Construction 4.0.

   Sommario/riassunto  This book examines the burgeoning revolution in the construction industry known as Construction 4.0, the attendant need for re-skilling human resources, and key stakeholders' roles in developing the required skills for Construction 4.0. It views the lack of 21st-century skills and skills gap in the industry as significant challenges limiting the uptake and implementation of Construction 4.0 technologies, especially in developing countries. In order to determine the skills required, this book examines the critical technologies of Construction 4.0, such as building information modelling (BIM), robotic construction, 3D printing and drones, which have transformed the construction industry, thereby creating digital, intelligent and sustainable construction solutions.

Furthermore, the book considers the benefits, risks and relevant skills required to implement Construction 4.0 technologies. .