Record Nr. UNINA9911009341703321 Autore L. C. Antoine Arthur Titolo Civil Engineering in the Developing World: A Guide to Successful and Sustainable Project Delivery / / by Dr. Arthur L. C. Antoine Cham:,: Springer Nature Switzerland:,: Imprint: Springer,, 2025 Pubbl/distr/stampa **ISBN** 3-031-91286-1 [1st ed. 2025.] Edizione Descrizione fisica 1 online resource (125 pages) Disciplina 690.06 Soggetti Construction industry - Management Buildings - Design and construction Civil engineering Sustainable architecture Industrial management Facility management **Construction Management Building Construction and Design** Civil Engineering Sustainable Architecture/Green Buildings Industrial Management **Facility Management** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Chapter 01 – How Dreams Come True: Project Delivery -- Chapter 02 – Schedule -- Chapter 03 - Quality -- Chapter 04 - Cost -- Chapter 05 -Procurement -- Chapter 06 - Embrace the Challenge - Building Tomorrow's Solutions -- Chapter 7 Epilogue. This book provides a pragmatic roadmap for mastering project delivery Sommario/riassunto in civil and infrastructure engineering—one that applies across both developing and industrialized nations. Dr. Arthur L.C. Antoine, an experienced civil engineer, project manager, and researcher, blends real-world case studies with empirical data to scrutinize current project

delivery methods and performance. With a focus on the foundational pillars of schedule, cost, and quality—alongside the critical but often

overlooked elements of procurement and risk—this book offers a fresh perspective for industry professionals, policymakers, and stakeholders. Through practical insights and rigorous analysis, Dr. Antoine challenges conventional approaches, highlights global best practices, and presents actionable recommendations for delivering infrastructure projects that are successfully delivered with a focus on long-term transformation. The book is ideal for engineers, project managers, public works leaders, and anyone invested in the future of infrastructure development. Blends real-world experience with empirical data to provide a comprehensive analysis of project delivery performance; Explores alternative and collaborative project delivery methods, good governance, transparency, accountability and value; Uncovers key trends in public procurement and contractor selection, featuring global case studies and practical examples.