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Titolo	Drone technology in architecture, engineering and construction : a strategic guide to unmanned aerial vehicle operation and implementation // Daniel Tal, Jon Altschuld
Pubbl/distr/stampa	Hoboken, NJ : , : Wiley, , [2021] Â©2021
ISBN	1-119-54589-7 1-119-54590-0 1-119-60915-1
Descrizione fisica	1 online resource (179 pages)
Disciplina	620.00284
Soggetti	Aerial photography in geomorphology Aerial photography in municipal engineering Drone aircraft in remote sensing Photogrammetry in architecture Micro air vehicles - Industrial applications Building sites - Location
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	How to use this book -- A paradigm shift in viewing the world -- Drone data visualization as a full cycle tool -- Buy in -- Getting started -- Documentation, permissions and license -- Best practices for flying drones -- Imagery and videos -- Photogrammetry -- Working with 3D models -- The future of UAV's.
Sommario/riassunto	"AEC firms of all sizes are integrating drone technology into their existing design and construction workflows. Drone footage is being used for site analysis, photo-matching of conceptual designs and 3D models, in-house site surveying, inspection, presentations, and project stakeholder discussions. During all stages of the construction process, drones are quickly redefining the way that data is collected for projects. From capturing building models, to generating terrain data or inspecting structures, drones can increase a firm's competitive edge

and profitability. Drones are cost-effective and greatly reduce safety risks as operators are able to reach previously inaccessible areas, while capturing a large amount of data in a short amount of time"--

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