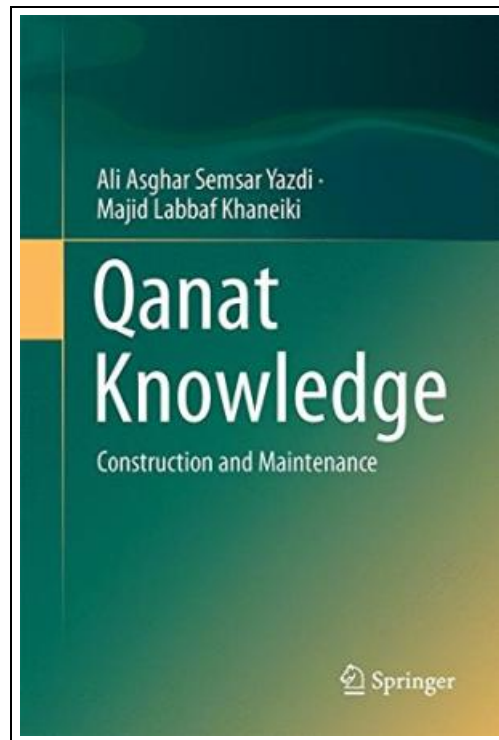


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Reviews

This publication is definitely not simple to begin on studying but quite fun to see. It really is full of knowledge and wisdom I am just effortlessly can get a satisfaction of studying a created pdf.
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QANAT KNOWLEDGE: CONSTRUCTION AND MAINTENANCE



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Springer-Verlag Gmbh Dez 2016, 2016. Buch. Condition: Neu. Neuware - This book offers a ready solution for those who wish to learn more about this fascinating part of our water history and makes accessible to the wider world the traditional knowledge gained from building and maintaining qanats for more than 2,500 years. There is much more here than a summary of the nature and distribution of qanats, and a more extensive journey through the philosophy, methods, tools, and terminology of qanat design and digging than previously assembled. Where does one begin to dig to ensure that the qanat tunnel will flow with water How are practical considerations of landscape factored into the design How are water quality and discharge measured How does excavation proceed through bedrock and unconsolidated soil and how is this knowledge of geology and pedology acquired How are vertical wells and tunnels excavated to maintain proper air supply, light, and water flow How does one deal with special problems like tunnel collapse, the accumulation of gasses and vapors, and the pooling of water during construction How are tools and gauges designed, maintained, and used How have qanats been incorporated into other structures like watermills, reservoirs, ice houses, and irrigation networks And how are qanats cleaned, extended, maintained through the ages, and incorporated into modern water supplies The great contribution of this work is the story it tells of the ingenuity and practical skills of the qanat masters who for centuries and generations have cut an uncountable number of tunnels through bedrock and alluvium using hand tools and homespun solutions to problems that would vex the most experienced university-trained engineers. 179 pp. Englisch.



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