

Contents

Part I General Overview of the Italian Water Sector	
The Pursuit of Excellence in the Water Industry	3
Andrea Gilardoni	
Water Regulation: An Innovative Approach	21
Lorenzo Bardelli	
Financing Infrastructures in the Water Industry	39
Simona Camerano	
Economic and Financial Performance of the Leading Companies	59
Massimiliano Cattozzi, Giovanni Costigliola and Nicola Tomaiuoli	
Part II Advanced Purification and Water Quality Solutions	
The Construction of the Boron and the Arsenic Removal Plants in Franciana	75
Ennio Marcello Trebino	
Arsenic Removal Technologies	89
Stefano Quaglino	
Experiences in Hexavalent Chromium Removal in the Treatment of Drinking Water	101
Paolo Romano	
Evolution of Laboratory Procedures for Water Quality Analysis	119
Vladimiro Agostini	
Part III Optimizing the Distribution Network	
Acea-WETNET: True Monitoring of Water Networks	131
Stefano Antonio Donnarumma	

Integrated Solution for a Smart Water Network	145
Andrea Gallina and Donato Gerardo Pasquale	
A Decision Support System for Acquedotto Pugliese	157
Nicola De Sanctis	
Real-Time Automatic Control and Management of the Network Distribution	173
Stefano Quaglino	
A Safe Model Thanks to Interconnections	187
Lorenzo Veronese	
High-Pressure Fire Prevention System in Venice	199
Vladimiro Agostini	
Part IV Wastewater in a Circular Economy Perspective	
Innovation and Circular Economy in Water Sector: The CAP Group	215
Alessandro Russo	
Waste Water Management in Seaside Tourism Areas: The Rimini Seawater Protection Plan	225
Stefano Venier	
Circular Economy and WWTPs: Water Reuse and Biogas Production	237
Massimiliano Bianco	
DEMOSOFC	259
Paolo Romano	
Part V Facing Financial and Managerial Challenges	
MM SpA: Integrated Water Service Investments and Financing Strategy for the City of Milan	271
Stefano Cetti	
Corporate Reorganization to Adapt to the Demand for Performance Improvement	285
Tullio Montagnoli	
Implementation of a Balanced Scorecard in the Water Industry. The Abbanoa S.p.A. Case	301
Alessandro Ramazzotti	
Appendix: Companies' Profiles	323



<http://www.springer.com/978-3-319-71335-9>

The Italian Water Industry

Cases of Excellence

Gilardoni, A. (Ed.)

2018, XII, 358 p. 239 illus., 100 illus. in color.,

Hardcover

ISBN: 978-3-319-71335-9