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Nota di contenuto	Contents -- Preface -- Acknowledgements -- Nomenclature -- Abbreviations -- About the author -- 1. Overview of wave and tidal development -- 2. Resource -- 3. Reliability theory relevant to wave and tidal devices -- 4. Reliability prediction method for wave and tidal devices -- 5. Practical wave and tidal device reliability -- 6. Reliability and MEC device taxonomy -- 7. Availability and its effect on the cost of marine energy -- 8. Wave and tidal device layout and grid connection -- 9. Design and testing for wave and tidal devices -- 10. Operational experience and lessons learnt -- 11. Monitoring and its effect on O&M -- 12. Overall conclusions -- Appendix A: Terminologies -- Appendix B: Device configuration -- Appendix C: MEC reliability diagrams -- Appendix D: MEC reliability data collection, based on wind industry experience -- Appendix E: Reliability of key sub-assemblies, portfolio of surrogate data -- Appendix F: A clean energy technology timeline -- Appendix G: A tidal poem -- References -- Index
Sommario/riassunto	The new edition of this systematic reference about clean power from tides and waves. Chapters cover a wider range of wave and tidal devices, onshore AC sub-stations, practicability and deploy-ability, and lessons from offshore wind and other maritime industries.