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Nota di contenuto	Frontmatter -- Preface to the 2nd edition -- Preface -- Contents -- 1. Process Integration and Intensification: An Introduction -- 2. Setting energy targets and Heat Integration -- 3. Synthesis of Heat Exchanger Networks -- 4. Total Site Integration -- 5. An Integrated Pinch Analysis Framework for Low CO2 Industrial Site Planning -- 6. Introduction to Water Pinch Analysis -- 7. Setting the maximum water recovery targets -- 8. Water network design/retrofit -- 9. Design of Cost-Effective Minimum Water Network (CEMWN) -- 10. Conclusions and sources of further information -- Index
Sommario/riassunto	In its second edition, Sustainable Process Integration and Intensification continues the presentation of fundamentals of key areas of both fields. Thoroughly updated and extended to include the latest developments, the reader also finds illustrated working sessions for deeper understanding of the taught materials. The book is addressed to graduate students as well as professionals to help the effectively application in plant design and operation.