1. Record Nr. UNINA9910826328803321 Autore Sutherland John Titolo Energy efficient manufacturing: theory and applications / / edited by John W. Sutherland, David A. Dornfeld and Barbara S. Linke Pubbl/distr/stampa Hoboken, NJ:,: Wiley Beverly, MA:,: Scrivener Publishing,, 2018 **ISBN** 1-119-52137-8 1-119-51990-X 1-119-51981-0 Edizione [1st edition] Descrizione fisica 1 online resource (469 pages) Disciplina 658.2/6 Soggetti Manufacturing processes - Energy conservation Process control Fabricació - Estalvi d'energia Control de processos Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Sommario/riassunto Over the last several years, manufacturers have expressed increasing interest in reducing their energy consumption and have begun to search for opportunities to reduce their energy usage. In this book, the authors explore a variety of opportunities to reduce the energy footprint of manufacturing. These opportunities cover the entire spatial scale of the manufacturing enterprise: from unit process-oriented approaches to enterprise-level strategies. Each chapter examines some aspect of this spatial scale, and discusses and describes the opportunities that exist at that level. Case studies demonstrate how the opportunity may be acted on with practical guidance on how to

respond to these opportunities.