1. Record Nr. UNINA9910830560203321 Autore Woods Donald R Titolo Successful trouble shooting for process engineers [[electronic resource]]: a complete course in case studies / / Donald R. Woods Weinheim,: Wiley-VCH, c2006 Pubbl/distr/stampa **ISBN** 1-280-85415-4 9786610854158 3-527-60783-8 3-527-60707-2 Descrizione fisica 1 online resource (650 p.) Disciplina 660.2815 Soggetti Chemical plants - Design Chemical process control Chemical processes Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Successful Trouble Shooting for Process Engineers; Contents; Preface; 1 What is Trouble Shooting?: 1.1 Characteristics of a Trouble-Shooting Problem; 1.1.1 Similarities among TS Problems; 1.1.2 Differences between TS Problems; 1.2 Characteristics of the Process Used to Solve Trouble-Shooting Problems; 1.2.1 How the Type of Problem Guides the TS Process or Strategy; 1.2.2 Five Key Elements Common to the TS Process: 1.3 Self-Test and Reflections: 1.4 Overview of the Book: 1.5 Summary; 1.6 Cases to Consider; 2 The Mental Problem-Solving Process used in Trouble Shooting; 2.1 Problem Solving 2.2 Trouble Shooting2.2.1 Considerations when Applying the Strategy to Solve Trouble-Shooting Problems; 2.2.2 Problem-Solving Processes Used by Skilled Trouble Shooters; 2.2.3 Data Collection and Analysis: Approaches Used to Test Hypotheses; 2.3 Overall Summary of Major Skills and a Worksheet; 2.3.1 Getting Organized: the Use of a Trouble-Shooter's Worksheet; 2.3.2 Feedback about your Trouble Shooting; 2.4 Example Use of the Trouble-Shooter's Worksheet; 2.5 Summary; 2.6

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Sommario/riassunto

Chemical production processes consist of many complex apparatuses involving both moving and static parts as well as interconnecting pipes, control mechanisms and electronics, mechanical and thermal stages, heat exchangers, waste and side product processing units, power ducts and many others. Bringing such a complicated unit online and ensuring its continued productivity requires substantial skill at anticipating, detecting and solving acute problems. This book is the professional's and student's entrance to the fascinating and important world of trouble shooting for chemical, pharmaceutical an