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| Nota di contenuto | Front Cover; Subsea Engineering Handbook; Copyright; Contents; Preface; About the Authors; List of Abbreviations; PART One - Subsea Production Systems; Chapter 1 - Overview of Subsea Engineering; 1.1. INTRODUCTION; 1.2. SUBSEA PRODUCTION SYSTEMS; 1.3. FLOW ASSURANCE AND SYSTEM ENGINEERING; 1.4. SUBSEA STRUCTURES AND EQUIPMENT; 1.5. SUBSEA PIPELINES; Chapter 2 - Subsea Field Development; 2.1. SUBSEA FIELD DEVELOPMENT OVERVIEW; 2.2. DEEPWATER OR SHALLOW-WATER DEVELOPMENT; 2.3. WET TREE AND DRY TREE SYSTEMS; 2.4. BSEA TIE-BACK DEVELOPMENT; 2.5. STAND-ALONE DEVELOPMENT 2.6. ARTIFICIAL LIFT METHODS AND CONSTRAINTS 2.7. SUBSEA PROCESSING; 2.8. TEMPLATE, CLUSTERED WELL SYSTEM, AND DAISY CHAIN; 2.9. SUBSEA FIELD DEVELOPMENT ASSESSMENT; REFERENCES; Chapter 3 - Subsea Distribution System; 3.1. INTRODUCTION; 3.2. DESIGN PARAMETERS; 3.3. SDS COMPONENT DESIGN REQUIREMENTS; REFERENCES; Chapter 4 - Subsea Surveying, Positioning, and Foundation; 4.1. INTRODUCTION; 4.2. SUBSEA SURVEY; 4.3. SUBSEA METROLOGY AND POSITIONING; 4.4. SUBSEA SOIL INVESTIGATION; 4.5. SUBSEA FOUNDATION; REFERENCES; Chapter 5 - Installation and Vessels; 5.1. INTRODUCTION 5.2. TYPICAL INSTALLATION VESSELS 5.3. VESSEL REQUIREMENTS AND |

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12.2. TYPICAL FLOW ASSURANCE PROCESS

Sommario/riassunto

Designing and building structures that will withstand the unique challenges that exist in Subsea operations is no easy task. As deepwater wells are drilled to greater depths, engineers are confronted with a new set of problems such as water depth, weather conditions, ocean currents, equipment reliability, and well accessibility, to name just a few. A definitive reference for engineers designing, analyzing and instilling offshore structures, Subsea Structural Engineering Handbook provides an expert guide to the key processes, technologies and equipment that comprise contemporary offshore structure
