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CHAPTER 5. Natural Gas Transportation-Pipelines and Compressed Natural Gas5.1 Introduction; 5.2 Pipelines; 5.3 Marine CNG Transportation; 5.4 References; CHAPTER 6. Liquefied Natural Gas (LNG); 6.1 Introduction; 6.2 The LNG Process; 6.3 LNG Liquefaction; 6.4 LNG Carriers; 6.5 References; CHAPTER 7. Gas-To-Liquids (GTL); 7.1 Introduction; 7.2 Why GTL?; 7.3 GTL Processes; 7.4 GTL Based on Direct Conversion of Natural Gas; 7.5 GTL Based on Indirect Conversion of Natural Gas; 7.6 GTL economics and outlook; 7.7 References; 7.8 Appendix-Catalysis (Bartholomew and Farrauto, 2005)
CHAPTER 8. Underground Natural Gas Storage8.1 Introduction; 8.2 Types of Underground Storage; 8.3 Storage Measures; 8.4 Discussion; 8.5 References; CHAPTER 9. Natural Gas Supply, Alternative Energy Sources, and the Environment; 9.1 Introduction; 9.2 The Great Energy Dilemma; 9.3 Advantages of Fossil Fuels; 9.4 Energy Interchangeability versus Inflexibility; 9.5 Regional Gas Supply Potential; 9.6 Alternatives to Natural Gas Fired Electricity; 9.7 Fundamentals of Electricity Generation from Alternative Energy Sources; 9.8 Economics of Electricity Generation from Different Energy Sources
9.9 Environmental Impact of Fossil Fuels and Renewable Energy Sources9.10 References; Nomenclature; Index

Sommario/riassunto

Natural gas is playing an increasing role in meeting world energy demands because of its abundance, versatility, and its clean burning nature. As a result, lots of new gas exploration, field development and production activities are under way, especially in places where natural gas until recently was labeled as "stranded?". Because a significant portion of natural gas reserves worldwide are located across bodies of water, gas transportation in the form of LNG or CNG becomes an issue as well. Finally natural gas is viewed in comparison to the recently touted alternatives. Therefor

2. Record Nr.	UNINA9910820370803321
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Appendix 2. Charles Bell's Published Papers and LecturesAppendix 3. The Drawings and Paintings of Charles Bell; Appendix 4. Idea of a New Anatomy of the Brain; About the Author; Index
Sommario/riassunto	Sir Charles Bell (1774-1842), the Scottish anatomist-surgeon, was a true polymath. His original ideas on the nervous system have been likened to those of William Harvey on the circulation of blood, and his privately published pamphlet detailing his ideas about the brain has been called the Magna Carta of neurology. He described the separate functions of different parts of the nervous system, new nerves and muscles, and several previously unrecognized neurological disorders, and he characterized the features of the facial palsy and its associated features now named after him. His sketches and p