Record Nr. UNINA9910460147403321 **Titolo** Transport fuels from Australia's gas resources / / edited by Robert Clark and Mark Thomson Pubbl/distr/stampa Sydney Australia:,: New South Publishing,, 2014 ©2014 **ISBN** 1-74224-718-0 Descrizione fisica 1 online resource (330 p.) Disciplina 333.8233 Soggetti Gas as fuel - Australia Motor fuels - Australia Natural gas - Economic aspects - Australia Natural resources - Australia - Management Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "A UNSW Press book"--T.p. verso. Note generali Includes bibliographical references at the end of each chapters and Nota di bibliografia index. Nota di contenuto CONTENTS; ABOUT THE CONTRIBUTORS; ACRONYMS; FOREWORD; INTRODUCTION: 1. STRATEGIC OVERVIEW; 2. AUSTRALIA'S OIL AND GAS RESOURCES AND INFRASTRUCTURE; 3. THE OUTLOOK FOR GAS IN THE TRANSPORT FUEL MARKET: 4. LNG FOR AUSTRALIAN ARTICULATED TRUCKS; 5. THE ECONOMICS OF GTL; 6. STRATEGIC CONSIDERATIONS; 7. GTL AND LNG TRANSPORT FUEL TECHNOLOGIES; 8. WELL TO WHEELS ENVIRONMENTAL CONSIDERATIONS; 9. EARNING A SOCIAL LICENCE FOR ALTERNATIVE TRANSPORT FUELS; 10 REGULATORY ISSUES; SCIENTIFIC AND ENGINEERING UNITS AND CONVERSIONS; GEOLOGICAL EPOCHS; GLOSSARY; ACKNOWLEDGMENTS; INDEX Sommario/riassunto The transport sector in Australia depends heavily on imported oilbased fuels. With this comes the ever-present risk of oil supply shortages. But Australia is gas-rich and oil-poor, so it makes practical sense to assess how our own gas resources can be used to produce these fuels. Natural gas can be used directly as a fuel, blended with diesel in modified diesel engines, and converted into a conventional

liquid fuel - all at a modest cost. This book, written by Australia's

leading experts in the field, demonstrates how using natural gas as a transport fuel could increase our fuel self-sufficie