

CHEMSYSTEMS PPE PROGRAM

Petroleum Profitability Forecasts

Asia Pacific

December 2010



44 South Broadway, White Plains, New York 10601, USA
Tel: +1 914 609 0300 Fax: +1 914 609 0399

This Report was prepared by Nexant, Inc. ("Nexant") and is part of the ChemSystems Online® suite. Except where specifically stated otherwise in this Report, the information contained herein is prepared on the basis of information that is publicly available, and contains no confidential third party technical information to the best knowledge of Nexant. Aforesaid information has not been independently verified or otherwise examined to determine its accuracy, completeness, or financial feasibility. Neither NEXANT, Subscriber nor any person acting on behalf of either assumes any liabilities with respect to the use of or for damages resulting from the use of any information contained in this Report. Nexant does not represent or warrant that any assumed conditions will come to pass.

The Report is submitted on the understanding that the Subscriber will maintain the contents confidential except for the Subscriber's internal use. The Report should not be reproduced, distributed, or used without first obtaining prior written consent by Nexant. Each Subscriber agrees to use reasonable effort to protect the confidential nature of the Report.

Copyright © by Nexant Inc. 2010. All rights reserved.

Contents

Section	Page
1 Executive Summary	1-1
1.1 INTRODUCTION	1-1
1.2 SCENARIOS	1-2
1.3 REFINING MARGINS	1-4
1.4 PRICE PROJECTIONS	1-6
1.5 KEY PETROLEUM PRODUCT ISSUES	1-7
2 Forecasting Methodology	2-1
2.1 INTRODUCTION	2-1
2.2 ASSUMPTIONS	2-2
2.3 PRICESETTING MECHANISMS	2-5
3 Crude Oil	3-1
3.1 CRUDE OIL SCENARIOS	3-1
3.2 REGIONAL CRUDE OILS	3-4
4 Oil Refinery Margins	4-1
4.1 HISTORIC OIL REFINERY PROFITABILITY	4-1
4.2 GLOBAL OIL REFINING MARGINS	4-5
4.3 ASIAN OIL REFINERY MARGIN PROJECTIONS	4-9
5 Price Forecasts	5-1
5.1 REFINED PRODUCT PRICES	5-1
5.2 NATURAL GAS LIQUIDS (NGLs) AND LIQUEFIED PETROLEUM GAS (LPG)	5-20
 Appendix	 Page
A Price Forecasts	A-1