

Global Oil Shale Market

<https://marketpublishers.com/r/G68DA562AD4EN.html>

Date: March 2010

Pages: 195

Price: US\$ 5,650.00 (Single User License)

ID: G68DA562AD4EN

Abstracts

The growing demand for energy is expected to exhaust the world's crude oil reserves in another 40 years. The market price of crude oil reached \$145 per barrel in the third quarter of 2008. Though the cost per barrel was around \$60 in 2009, it is expected to rise in the next few years. These factors and fluctuating costs have created the need for other resources to meet the growing demand for fuel oil.

Global oil shale resources can supply more than 2.8 trillion barrels of nonrenewable energy. This is almost three times the capacity of crude oil reserves. Currently, the cost of retorting oil from oil shale is higher than the cost of crude oil production. Although this factor has kept many companies out of the market so far, cutting-edge research is now being undertaken across the globe to reduce the cost of production. One such study by Shell seeks to cut production costs to less than \$25 per barrel. These developments within the oil shale industry can soon open up tremendous market opportunities for all the industry stakeholders. In addition to the extracted fuel oil, oil shale yields several other sub-products like lubricating oil which also possess huge market potential.

This report will be the first of its kind to study the oil shale market on the basis of each market segment. It provides vital market data and also strategically discusses market opportunities for the stakeholders in the oil shale market.

Scope and Format

The oil shale market or more specifically the Kerogen market is segmented according to the extracted products, applications, technologies, and geographies. Each section will provide market data, market drivers, trends and opportunities, and key players. In order to provide a comprehensive market insight, the report's market tables are also categorized on the basis of revenues generated by each product, application, technology, and geography. The report also highlights the strategic issues involved in

tapping the oil shale market, which is expected to dominate the world market for nonrenewable energy.

Stakeholders

The intended audiences will be:

- Oil shale companies
- Petroleum Companies
- Energy Companies
- Mining companies
- Technology Providers

Research Methodology

The global oil shale market is analyzed and forecasted for the period 2015 to 2030. The market forecasts are based on primary and secondary research data. The market structure is designed on the basis of secondary research on the product portfolios of oil shale and energy companies. This structure is cross-validated through primaries conducted with industry players. The secondary research was based on paid sources such as Factiva and basic internet search using associations, company websites and news articles.

Each section of the report offers market data with respect to segments and geography. It also provides market trends with respect to drivers, restraints and opportunities. The report contains strategic section with respect to competitive landscape and market overview. The report will encompass around 15 company profiles.

THE REPORT ANSWERS THE FOLLOWING QUESTIONS

- What are the key market dynamics influencing the market trends?
- Where are key opportunities available to the market players to capitalize on?
- What are the competitive strategies increasingly adopted to combat competition?

What makes our report unique?

- Provision of longest market segmentation in the industry.

- The report provides analysis of patents and more than 20 company profiles giving a competitive outlook.
- The report includes market data for segments such as tools, services and applications for the major geographies – North America, Europe, Asia-Pacific and ROW.
- The high level analysis provided by the report analyzes the market prospective for different major market segments along with the identification of opportunities.
- Provided competitive analysis stating the major segments focused by the global market players and the key developments – equipments, devices and technology.

Key questions answered

- Which are the high growth markets segments in terms of devices and consumables?
- What are the market forecasts and estimates from the period 2009-12?
- What are the major drivers and opportunities in the market?
- What is the competitive outlook, what are the major tools and services, who are the major players in the market segments?

Contents

1 INTRODUCTION

- 1.1 KEY TAKE AWAYS
- 1.2 REPORT DESCRIPTION
- 1.3 SCOPE AND FORMAT
- 1.4 STAKEHOLDERS
- 1.5 RESEARCH METHODOLOGY

2 SUMMARY

3 MARKET OVERVIEW

- 3.1 SOURCES OF ENERGY
- 3.2 GLOBAL ENERGY CONSUMPTION
- 3.3 CRUDE OIL
- 3.4 OPPORTUNITIES FOR SHALE OIL
- 3.5 OIL INDUSTRY LIFECYCLE
- 3.6 OIL SHALE RESERVES
- 3.7 OPPORTUNITIES FOR STAKEHOLDERS
- 3.8 DRIVERS
 - 3.8.1 DEPLETING CRUDE OIL RESOURCES
 - 3.8.2 INCREASING DEMAND FOR OIL
 - 3.8.3 COST BENEFIT OF OIL SHALE IN LONG RUN
- 3.9 RESTRAINTS
 - 3.9.1 LOWER COST OF CRUDE OIL
 - 3.9.2 ENVIRONMENTAL ISSUES
 - 3.9.3 LOW CARBON CONTENT
- 3.10 DEFINING THE OIL SHALE MARKET
 - 3.10.1 PRODUCTS AND BY-PRODUCTS
 - 3.10.2 BY APPLICATIONS
 - 3.10.3 BY TECHNOLOGY
 - 3.10.4 BY PROCESSES
- 3.11 MAJOR COMPANIES
- 3.12 PATENT ANALYSIS

4 GLOBAL OIL SHALE MARKET, BY PRODUCTS

4.1 GLOBAL MARKET FOR NON-BIOFUELS EXTRACTED FROM OIL SHALE

4.1.1 FACTORS INFLUENCING THE NON-BIOFUEL MARKET

4.1.1.1 Heavy demand from transportation and industrial sectors

4.1.1.2 Cartelization in the conventional crude oil industry

4.1.1.3 High cost of production of oil shale

4.1.2 GLOBAL SHALE PETROL MARKET

4.1.3 GLOBAL SHALE DIESEL MARKET

4.1.4 GLOBAL KEROSENE MARKET

4.2 GLOBAL MARKET FOR BIOFUELS EXTRACTED FROM SHALE OIL

4.2.1 DRIVERS & RESTRAINTS

4.2.1.1 Biofuels reduce energy dependence

4.2.1.2 EPA 2005 boosting the U.S. biofuel market

4.2.1.3 Use of ethanol in the U.S., Europe

4.2.2 GLOBAL BIODIESEL MARKET

4.2.2.1 Drivers & Restraints

4.2.2.1.1 Multiple benefits of biodiesel

4.2.2.1.2 No tax incentives for biodiesel from oil shale

4.2.3 GLOBAL SYNTHETIC FUEL MARKET

4.2.3.1 Drivers & restraints

4.2.3.1.1 High efficiency

4.2.3.1.2 Less polluting

4.2.3.1.3 High cost of extraction

4.2.4 GLOBAL OTHER BIOFUELS MARKET

4.3 GLOBAL MARKET FOR GASES FROM OIL SHALE

4.3.1 NATURAL GAS MARKET

4.3.2 LIQUID PETROLEUM GAS (LPG) MARKET

4.3.3 HYDROGEN MARKET

4.4 GLOBAL MARKET FOR OTHER OIL SHALE EXTRACTS

4.4.1 MINERALS

4.4.2 CHEMICALS

4.4.3 OTHER BY-PRODUCTS OF OIL SHALE

5 GLOBAL OIL SHALE MARKET, BY APPLICATIONS

5.1 FUEL APPLICATIONS MARKET

5.1.1 DEPLETING FOSSIL FUEL RESERVES & HIGH OIL PRICES

5.1.2 REGULATORY PROBLEMS

5.2 ELECTRICITY APPLICATION MARKET

- 5.2.1 DEPLETING FOSSIL FUELS
- 5.2.2 INCREASE IN ELECTRICITY CONSUMPTION
- 5.2.3 OTHER SOURCES OF ELECTRICITY
- 5.3 CEMENT AND CHEMICAL APPLICATION MARKET
 - 5.3.1 INFRASTRUCTURE DEVELOPMENT

6 GLOBAL OIL SHALE MARKET, BY PROCESS

- 6.1 GLOBAL MARKET FOR OIL SHALE EXPLORATION
 - 6.1.1 GOVERNMENT SUPPORT FOR EXPLORATION
 - 6.1.2 HUGE POTENTIAL IN EXPLORED COUNTRIES
- 6.2 ORE PREPARATION
- 6.3 OIL SHALE RETORTION
- 6.4 SHALE OIL REFINING
 - 6.4.1 SHALE OIL
 - 6.4.2 SHALE GAS
- 6.5 SPECIALTY SERVICES
 - 6.5.1 LOGISTICS & TECHNOLOGY OUTSOURCING
 - 6.5.2 WASTE MANAGEMENT AND POLLUTION CONTROL
 - 6.5.2.1 Land-Use and Waste Management Issues
 - 6.5.2.2 Water and Air Pollution Problems

7 GLOBAL OIL SHALE RETORTION MARKET, BY TECHNOLOGY

- 7.1 IN-SITU TECHNOLOGY
 - 7.1.1 SHELL'S IN-SITU CONVERSION PROCESS
- 7.2 EX-SITU TECHNOLOGY
 - 7.2.1 KIVITER PROCESS
 - 7.2.2 FUSHUN PROCESS
 - 7.2.3 GALOTER RETORT
 - 7.2.4 PETROSIX TECHNOLOGY
 - 7.2.5 PARAHO PROCESS

8 GLOBAL OIL SHALE MARKET, BY GEOGRAPHY

- 8.1 U.S. OIL SHALE MARKET
 - 8.1.1 DRIVERS & RESTRAINTS
- 8.2 RUSSIAN OIL SHALE MARKET
 - 8.2.1 DRIVERS

8.2.1.1 Large producer, exporter and consumer of oil

8.2.1.2 Large oil shale resource holder

8.3 EUROPEAN OIL SHALE MARKET

8.3.1 ESTONIA

8.3.2 GERMANY

8.3.3 SWEDEN

8.4 ROW OIL SHALE MARKET

8.4.1 AFRICA

8.4.2 CANADA

8.4.3 CHINA

8.4.4 INDIA

8.4.5 INDONESIA

8.4.6 JORDAN

8.4.7 THAILAND

8.4.8 TURKEY

8.4.9 AUSTRALIA

9 COMPANY PROFILES

9.1 AFSK HOM TOV

9.2 AMERICAN RESOURCE PETROLEUM CORP.

9.3 AMERICAN SHALE OIL CORP. (AMSO)

9.4 BLUE ENSIGN TECHNOLOGIES LTD.

9.5 CHATTANOOGA CORP.

9.6 CHEVRON SHALE OIL COMPANY

9.7 COMBUSTION RESOURCES ENERGY

9.8 EESTI P?LEVKIVI

9.9 ELECTRO-PETROLEUM INC.

9.10 EXXON MOBIL CORP.

9.11 GLOBAL RESOURCE CORP

9.12 IMPERIAL PETROLEUM RECOVERY CORP.

9.13 INDEPENDENT ENERGY PARTNERS

9.14 MILLENNIUM SYNFUELS, LLC

9.15 MOUNTAIN WEST ENERGY

9.16 NARVA OIL PLANT

9.17 PETRO PROBE, INC

9.18 PETROBRAS

9.19 QUEENSLAND ENERGY RESOURCES

9.20 SCHLUMBERGER

- 9.21 SHALE TECHNOLOGIES, LLC
- 9.22 SHELL OIL CO.
- 9.23 VIRU KEEMIA GROUP
- 9.24 XTRACT ENERGY PLC

APPENDIX

- COMPOSITION OF OIL SHALE
- CHEMICAL COMPOSITION OF OIL SHALE
- PRIMARY ENERGY CONSUMPTION
- PRIMARY ENERGY PRODUCTION
- FOSSIL FUEL RESERVES
- OIL RESERVES
- R/P RATIO FOR CRUDE OIL
- COAL RESERVES
- NATURAL GAS RESERVES
- PATENT TABLES
- US PATENTS
- EUROPE PATENTS

List Of Tables

LIST OF TABLES

SUMMARY TABLE GLOBAL OIL SHALE MARKET, BY PRODUCTS 2015-2030
(\$MILLIONS)

TABLE 1 GLOBAL CRUDE OIL PRODUCTION (MILLION BARRELS)

TABLE 2 GLOBAL OIL SHALE RESERVES

TABLE 3 GLOBAL OIL SHALE MARKET, BY APPLICATIONS 2015 – 2030
(\$MILLIONS)

TABLE 4 GLOBAL OIL SHALE MARKET, BY TECHNOLOGIES 2015 – 2030
(\$MILLIONS)

TABLE 5 GLOBAL OIL SHALE MARKET, BY PROCESSES 2015 –2030 (\$MILLIONS)

TABLE 6 TOP PLAYERS AND THEIR TECHNOLOGIES

TABLE 7 GLOBAL OIL SHALE MARKET, BY PRODUCTS 2015 –2030 (MILLION BOE)

TABLE 8 GLOBAL NON-BIOFUEL MARKET, BY PRODUCTS 2015 –2030
(\$MILLIONS)

TABLE 9 GLOBAL NON-BIOFUEL MARKET, BY PRODUCTS 2015 –2030 (MILLION
BARRELS)

TABLE 10 TOTAL POSSIBLE PRODUCTION OF SHALE PETROL (MILLION
BARRELS)

TABLE 11 TOTAL POSSIBLE PRODUCTION OF SHALE DIESEL (MILLION
BARRELS)

TABLE 12 TOTAL POSSIBLE PRODUCTION OF SHALE KEROSENE (MILLION
BARRELS)

TABLE 13 GLOBAL BIOFUEL MARKET, BY PRODUCTS 2015 –2030 (\$MILLIONS)

TABLE 14 GLOBAL BIOFUEL MARKET, BY PRODUCTS 2015 –2030 (MILLION
BARRELS)

TABLE 15 TOTAL POSSIBLE PRODUCTION OF ETHANOL (MILLION BARRELS)

TABLE 16 TOTAL POSSIBLE PRODUCTION OF SYNTHETIC FUEL (MILLION
BARRELS)

TABLE 17 GLOBAL GASES MARKET, BY PRODUCTS 2015-2030 (\$MILLIONS)

TABLE 18 GLOBAL GASES MARKET, BY PRODUCTS 2015-2030 (MILLION BOE)

TABLE 19 GLOBAL OTHER BY-PRODUCTS MARKET 2015-2030 (\$MILLIONS)

TABLE 20 GLOBAL OIL SHALE MARKET, BY TECHNOLOGY 2015 - 2030
(\$MILLIONS)

TABLE 21 GLOBAL OIL SHALE MARKET, BY TECHNOLOGY 2015-2030 (MILLION
BARRELS)

TABLE 22 GLOBAL OIL SHALE MARKET, BY GEOGRAPHY 2015-2030 (\$MILLIONS)

TABLE 23 U.S. OIL SHALE MARKET, BY PRODUCTS 2015-2030 (\$MILLIONS)

TABLE 24 TOTAL POSSIBLE PRODUCTION OF OIL SHALE IN U.S. (MILLION BOE)

TABLE 25 RUSSIAN OIL SHALE MARKET, BY PRODUCTS 2015-2030 (\$MILLIONS)

TABLE 26 TOTAL POSSIBLE PRODUCTION OF OIL SHALE IN RUSSIA (MILLION BOE)

TABLE 27 EUROPEAN OIL SHALE MARKET, BY PRODUCTS 2015-2030 (\$MILLIONS)

TABLE 28 TOTAL POSSIBLE PRODUCTION OF OIL SHALE IN EUROPE (MILLION BOE)

TABLE 29 ROW OIL SHALE MARKET, BY PRODUCTS 2015-2030 (\$MILLIONS)

TABLE 30 TOTAL POSSIBLE PRODUCTION OF OIL SHALE IN ROW (MILLION BOE)

TABLE 31 TOTAL POSSIBLE PRODUCTION OF OIL SHALE IN AUSTRALIA (MILLION BOE)

TABLE 32 COMPOSITION OF OIL SHALE (%)

TABLE 33 CHEMICAL COMPOSITION OF OIL SHALE (%)

TABLE 34 PRIMARY ENERGY CONSUMPTION (TRILLION BTU)

TABLE 35 WORLD PRIMARY ENERGY PRODUCTION (TRILLION BTU)

TABLE 36 OIL RESERVES OF THE WORLD (BILLION BARRELS)

TABLE 37 R/P RATIO OF CRUDE OIL (BILLION BARRELS, 2008)

TABLE 38 COAL RESERVES OF WORLD (MILLION TONNES OIL EQUIVALENT)

TABLE 39 NATURAL GAS RESERVES OF THE WORLD (TRILLION CUBIC METERS)

List Of Figures

LIST OF FIGURES

FIGURE 1 GLOBAL ENERGY UTILIZATION FORECASTS

FIGURE 2 GLOBAL ENERGY SOURCES

FIGURE 3 GLOBAL ENERGY UTILIZATION

FIGURE 4 VARIATION IN OIL PRICES (\$PER BARREL)

FIGURE 5 FORECASTED OIL PRICES AND SHALE OIL PRICES (\$PER BARREL)

FIGURE 6 APPLICATIONS OF SHALE OIL

FIGURE 7 INDUSTRY LIFE CYCLE

FIGURE 8 OPPORTUNITIES FOR STAKEHOLDERS IN THE PROCESS OF SHALE OIL PRODUCTION & DELIVERY

FIGURE 9 APPLICATIONS OF OIL

FIGURE 10 SEGMENTS OF OIL SHALE

FIGURE 11 GLOBAL MARKET FORECAST FOR OIL SHALE, BY PRODUCTS 2015 – 2030 (\$MILLIONS)

FIGURE 12 PATENTS BY GEOGRAPHY

FIGURE 13 GLOBAL OIL SHALE MARKET, BY APPLICATIONS 2015-2030 (\$MILLIONS)

FIGURE 14 GLOBAL OIL SHALE MARKET, BY PROCESSES 2015-2030 (\$MILLIONS)

FIGURE 15 OIL SHALE RETORTING & REFINING PROCESS

FIGURE 16 OIL SHALE REFINING PROCESS

FIGURE 17 KIVITER PROCESS

FIGURE 18 FUSHUN PROCESS

FIGURE 19 GALOTER PROCESS

FIGURE 20 PETROSIX PROCESS

FIGURE 21 AMSO-EGL'S OIL SHALE PROCESS

FIGURE 22 LAND UTILIZATION OF THE AMSO TECHNOLOGY PROCESS RETORT

FIGURE 23 THE RENDALL PROCESS OF BLUE ENSIGN TECHNOLOGIES

FIGURE 24 THE CHATTANOOGA PROCESS

FIGURE 25 THE CHEVRON TECHNOLOGY

FIGURE 26 THE MINING PROCESS AND ACTIVITIES IN EESTIA P?LEVKIVI

FIGURE 27 THE EEOR TECHNOLOGY OF ELECTRO-PETROLOEUM INC.

FIGURE 28 THE ELECTROFRAC TECHNOLOGY OF EXXON

FIGURE 29 THE PATRIOT-I TYPE PROTOTYPE TECHNOLOGY

FIGURE 30 MICROWAVE TECHNOLOGY OF IMPERIAL PETROLEUM RECOVERY CORP.

FIGURE 31 GEOTHERMIC FUEL CELL OF INDEPENDENT ENERGY PARTNERS

FIGURE 32 GFC PROCESS OF INDEPENDENT ENERGY PARTNERS

FIGURE 33 IN-SITU EXTRACTION TECHNOLOGY OF MOUNTAIN WEST ENERGY

FIGURE 34 TSK TECHNOLOGY OF NARVA OIL PLANT

FIGURE 35 SUPERHEATED AIR TECHNOLOGY OF PETRO PROBE

FIGURE 36 PETROSIX PROCESS OF PETROBRAS

FIGURE 37 FIGURE FOR THE PARAHO PROCESS OF SHALE TECH

FIGURE 38 THE IN-SITU CONVERSION PROCESS OF SHELL

FIGURE 39 CHEMICAL COMPOSITION OF OIL SHALE (%)

FIGURE 40 OIL RESERVES OF THE WORLD (%)

FIGURE 41 COAL RESERVES OF THE WORLD (%)

FIGURE 42 NATURAL GAS RESERVES OF WORLD (%)

I would like to order

Product name: Global Oil Shale Market

Product link: <https://marketpublishers.com/r/G68DA562AD4EN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G68DA562AD4EN.html>