

Analysis of Worldwide PV markets and five-year application forecast report

July 2008 – Comprehensive Report from Navigant Consulting

Report Authors

Paula Mints of Navigant Consulting's Photovoltaic Service Program is the author of this report.

Ms. Mints, Principal Analyst with the Photovoltaic Services Program and an Associate Director with Navigant Consulting, is widely recognized as an industry expert on photovoltaic technologies and markets.

Report Price

The report is available for \$5,500. (For subscribers of Navigant Consulting's Photovoltaic Service Program, this report is available as part of the annual subscription fee of \$13,600.)

Contact

Paula Mints
650.849.1142
pmints@navigantconsulting.com

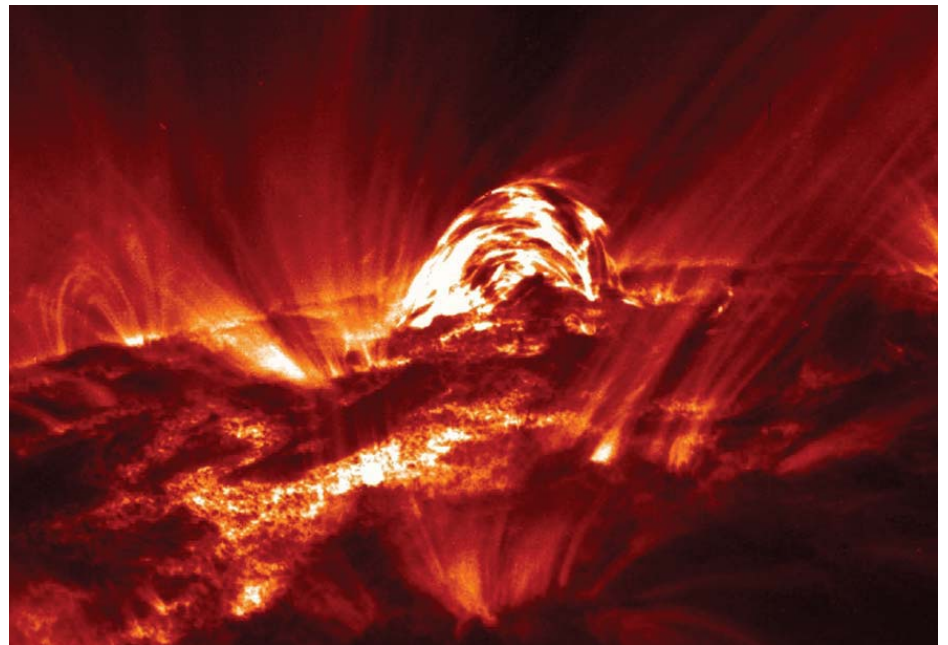
www.navigantconsulting.com

Navigant Consulting's Photovoltaic Service Program has released a comprehensive report about the global photovoltaic(PV) market. This extensive report, "*Analysis of Worldwide Photovoltaic Markets and Five-Year Application Forecast*," provides:

- » Detailed analysis of the market for PV technologies and products by selling channels, application segments, module size, regional markets, and countries – in both the industrialized and developing areas of the world
- » Global coverage that includes North America, Latin America, Asia Pacific, Europe, Africa, and the Middle East
- » 2007–2012 application forecasts, including selling channels, application details, marketshare and growth rates
- » 50+ detailed charts and graphics

This 200+ page analysis of the PV industry, technologies, and markets – which is essential to business planning – has been developed to benefit cell and module manufacturers, investors, governments, and other industry participants in need of a thorough and dependable analysis of the PV industry. Through primary survey data and market analysis, the report provides a comprehensive top-down and bottom-up view of the size of the market, the growth potential for national markets and applications, and the trends to anticipate in future years.

Please see the Table of Contents and List of Figures on the reverse side of this fact sheet.



Preliminary Table of Contents

1. Introduction

- » Objective, scope, format, methodology

2. Executive Summary

- 2.1 Overview of PV Industry Growth
- 2.2 Overview of PV Markets in Developed and Developing Areas of the World
- 2.3 Overview of Sales by Module Size and Average Prices
- 2.4 Overview of Selling Channels
- 2.5 Overview of Photovoltaic Application Segments

3. Regional Markets and Country Detail

- 3.1 Overview of the Worldwide Market for PV Products
- 3.2 North America
 - » North America Regional Overview
 - » United States
 - › U.S. Market Description
 - › Overview of Potential Emerging U.S. Markets
 - › U.S. Federal Incentive Programs
 - › U.S. State Incentive Programs
 - › California
 - › New Jersey
 - » Canada
 - › Overview of Canadian PV Incentive Programs
- 3.3 Latin America
 - » Latin America Regional Overview
 - » Caribbean
 - » Central America
 - » South America: Argentina
 - » South America: Bolivia
 - » South America: Brazil
 - » South America: Peru
 - » South America: Chile
- 3.4 Asia-Pacific (Including Oceania)
 - » Asia-Pacific/Oceania Regional Overview
 - » West Asia: India
 - » Asia: China
 - » Asia: Japan
 - » Southeast Asia: South Korea

- » Southeast Asia: The Philippines
- » Oceania: Australia
- 3.5 Europe
 - » Europe Regional Overview
 - » Germany
 - » The Netherlands
 - » Austria
 - » Spain
 - » France
 - » United Kingdom
 - » Italy
 - » Switzerland
 - » Portugal
- 3.6 Africa And The Middle East
 - » Africa and the Middle East Regional Overview
 - » Central and Southern Africa: Republic of South Africa
 - » Central and Southern Africa: Kenya
 - » North Africa: Morocco
 - » Middle East: Turkey
 - » Middle East: Saudi Arabia
 - » Middle East: Israel
- 4. Application Forecast: 2007–2012**
 - 4.1 Historical Industry Overview
 - 4.2 Market Share and Growth Rates Revenue Growth
 - 4.3 Selling Channels
 - 4.4 Forecast Shipment Volume 2007–2012
 - 4.5 Application Details
 - 4.6 Market Sector Analysis
 - » Market Share by Application and Module Size
 - » Remote Industrial: Communications and Telemetry
 - » Remote Industrial: Cathodic Protection
 - » Remote Industrial: Transportation Signals
 - » Remote Habitation: Water Pumping
 - » Remote Habitation: Village Power
 - » Remote Habitation: Outdoor Lighting
 - » Remote Habitation: Other
 - » Consumer Power
 - » Grid-Connected
 - » Consumer Indoor

Representative List of Figures

- 2.1 PV Industry Growth 2002–2017
- 2.2 Regional Growth 2002–2007
- 2.3 Worldwide Regional Market Demand, 2007
- 2.4 Market Shares by Module Size 2007 Demand
- 2.5 Photovoltaic Application Growth 1992–2007
- 2.6 Photovoltaic Application Contribution 1982–2017
- 2.7 Grid-Connected History and Forecast Business-as-Usual, 1982–2017
- 3.1 Growth of Remote and Grid-Connected Applications 1982–2007
- 3.2 Regional Growth 2002–2007
- 3.3 Worldwide Regional Market Demand 2004–2007
- 3.4 US Application Breakdown, 2006–2007
- 3.5 US Map of Rebate and Production Incentive Programs 2008
- 3.6 Canada Application Breakdown, 2006–2007
- 3.7 Caribbean Application Breakdown, 2006–2007
- 3.8 Mexico Application Breakdown, 2006–2007
- 3.9 Argentina Application Breakdown 2006–2007
- 3.10 Bolivia Application Breakdown, 2006–2007
- 3.11 Brazil Application Breakdown, 2006–2007
- 3.12 Peru Application Breakdown, 2006–2007
- 3.13 Chile Application Breakdown, 2006–2007
- 3.14 India Application Breakdown, 2006–2007
- 3.15 China Application Breakdown, 2006–2007
- 3.16 Japan Application Breakdown, 2006–2007
- 3.17 Japan PV Market Growth 2001–2007
- 3.18 South Korea Application Breakdown, 2006–2007
- 3.19 Philippines Application Breakdown, 2006–2007
- 3.20 Australia Application Breakdown, 2006–2007
- 3.21 2011 Europe Renewable Energy Targets by Country
- 3.22 Europe Market Demand Growth 2002–2008 (Est.)
- 3.23 Europe Application Demand 2005–2007
- 3.24 Germany Application Breakdown, 2006–2007
- 3.25 German Demand Growth 2002–2007
- 3.26 Evolution of German PV Roof Programs
- 3.27 The Netherlands Application Breakdown, 2006–2007
- 3.28 Austria Application Breakdown, 2006–2007
- 3.29 Spain Application Breakdown, 2006–2007
- 3.30 France Application Breakdown, 2006–2007
- 3.31 UK Application Breakdown, 2006–2007
- 3.32 Italy Application Breakdown, 2006–2007
- 3.33 Switzerland Application Breakdown, 2006–2007
- 3.34 Portugal Application Breakdown, 2006–2007
- 3.35 Republic of South Africa Application Breakdown, 2006–2007
- 3.36 Kenya Application Breakdown, 2006–2007
- 3.37 Morocco Application Breakdown, 2006–2007
- 3.38 Turkey Application Breakdown, 2006–2007
- 3.39 Saudi Arabia Application Breakdown, 2006–2007
- 3.40 Israel Application Breakdown, 2006–2007
- 4.1 Worldwide Module Dollar Volume Business-as-Usual vs. Accelerated Growth 1997–2012
- 4.2 PV Industry Application Growth 1982–2007
- 4.3 Application Shift, Remote vs Grid-Connected 2001–2011, Select Years Business-as-Usual Scenario
- 4.5 Market Shares By Module Size 2006 Demand
- 4.6 Market Shares By Module Size 2007 Demand
- 4.7 Grid-Connected History and Forecast Business-as-Usual, 1982–2012
- 4.8 PV Market Growth, 2002–2012 Business-as-Usual, Accelerated, and Decelerated Grid Scenarios
- 4.9 Long-Term Photovoltaic Forecast, MWp 1997–2017
- 4.10 Long-Term Market: Business-as-Usual 1982–2017
- 4.11 Long-Term Market: Accelerated 1982–2017