+44 20 8123 2220
info@marketpublishers.com

NORTH AMERICA HARVESTING MARKET FORECAST 2017-2024

https://marketpublishers.com/r/N48642269B2EN.html
Date: April 2017
Pages: 78
Price: US$ 1,950.00 (Single User License)
ID: N48642269B2EN

Abstracts

KEY FINDINGS

The Europe energy harvesting market is anticipated to grow $2221.89 million by 2024. The market growth is expected at the CAGR of 22.46% in the forecast period. The base year considered for the market study is 2016. And the forecast period is between 2017 and 2024. The extensive application of IOT like growing demand for energy saving, consumer electronics, building automation and decrease the energy losses is the factor contributing to the high demand for the energy harvesting market devices.

MARKET INSIGHTS

The North America energy harvesting market is segmented on the basis of source, system, application, and geography. The North America energy harvesting market by the source is classified as a light energy source, mechanical energy source, electromagnetic/ radio frequency energy source, thermal energy and others. The system segment is further divided into electrodynamics, photovoltaic, piezoelectric, radio frequency transducers, and electromagnetic transducers. The application segment in North America energy harvesting is further bifurcated into the building and home automation, consumer electronics, industrial, transportation and security and defense. Rising Demand for the Smart Meters, Initiatives taken by the government for Energy Saving, Selected Renewable Energy Global Indicators, Demand for Sustainable Power, Rising Implementation of IoT Sensors, Increasing Green Environment Initiatives by the Governments, and Low Dependence on Fossil Fuels are the major drivers for the Energy Harvesting Market.

COMPETITIVE INSIGHTS

+44 20 8123 2220
info@marketpublishers.com

Major players for the Energy Harvesting market are ABB limited, Arveni, Convergence wireless, Cymbet corporation, EnOceangmbh, Fujitsu limited, Green teg, g24 innovations limited (acquired by g24i power Ltd), mouser electronics, Inc., Honeywell internationals Inc., microchip technology, laird technology (Nextreme thermal solutions), Schneider electric, Siemens ag, STMicroelectronics n.v., Texas instrument incorporated.

+44 20 8123 2220
info@marketpublishers.com

Contents

1. RESEARCH SCOPE

1.1. STUDY GOALS
1.2. SCOPE OF THE MARKET STUDY
1.3. WHO WILL FIND THIS REPORT USEFUL?
1.4. STUDY AND FORECASTING YEARS

2. RESEARCH METHODOLOGY

2.1. SOURCES OF DATA
  2.1.1. SECONDARY DATA
  2.1.2. PRIMARY DATA
2.2. TOP DOWN APPROACH
2.3. BOTTOM-UP APPROACH
2.4. DATA TRIANGULATION

3. EXECUTIVE SUMMARY

3.1. ESTIMATION METHODOLOGY

4. MARKET OVERVIEW

4.1. MARKET DEFINITION AND SCOPE
4.2. KEY FINDINGS
4.3. KEY MARKET INSIGHTS
  4.3.1. EMERGING MARKETS
4.4. PORTER'S FIVE FORCE MODEL
  4.4.1. THREAT OF NEW ENTRANTS
  4.4.2. THREAT OF SUBSTITUTE PRODUCTS OR SERVICES
  4.4.3. BARGAINING POWER OF BUYER
  4.4.4. BARGAINING POWER OF SUPPLIER
  4.4.5. INTENSITY OF COMPETITIVE RIVALRY
4.5. KEY BUYING CRITERIA
  4.5.1. DEVICE EFFICIENCY
  4.5.2. COST
  4.5.3. VIABILITY
  4.5.4. APPLICATIONS AND EFFECTIVENESS

4.6. STRATEGIC RECOMMENDATION & CONCLUSION

5. MARKET DETERMINANTS

5.1. MARKET DRIVERS
5.1.1. GROWING DEMAND FOR THE SMART METERS
5.1.2. GOVERNMENT INITIATIVES FOR ENERGY SAVING
5.1.3. SELECTED RENEWABLE ENERGY ASIA-PACIFIC INDICATORS
5.1.4. DEMAND FOR SUSTAINABLE POWER
5.1.5. RISING IMPLEMENTATION OF IOT SENSORS
5.1.6. INCREASING GREEN ENVIRONMENT INITIATIVES BY THE GOVERNMENTS
5.1.7. LOWER DEPENDENCE ON FOSSIL FUELS
5.2. MARKET RESTRAINTS
5.2.1. FEW DEVICES WHICH SUPPORT ENERGY HARVESTING
5.2.2. HIGH PRICES MAKES ENERGY HARVESTING DEVICES CURRENTLY UNVIABLE FOR MASS USAGE
5.3. MARKET OPPORTUNITIES
5.3.1. OCEAN ENERGY HARVESTING IS FAST GROWING
5.3.2. R&D DEVELOPMENT IN NANOTECHNOLOGY
5.4. MARKET CHALLENGES
5.4.1. MARKET KNOWLEDGE OF ENERGY HARVESTING IS LIMITED
5.4.2. HIGH INITIAL SET UP COST

6. MARKET SEGMENTATION

6.1. BY SOURCE
6.1.1. LIGHT ENERGY SOURCE
6.1.1.1. SOLAR ENERGY
6.1.1.2. INFRARED ENERGY
6.1.1.3. UV ENERGY
6.1.2. MECHANICAL ENERGY SOURCE
6.1.2.1. PRESSURE
6.1.2.2. VIBRATION
6.1.3. ELECTROMAGNETIC/ RADIO FREQUENCY ENERGY SOURCE
6.1.3.1. NEAR FIELD
6.1.3.2. FAR FIELD
6.1.4. THERMAL ENERGY
6.1.5. OTHERS

+44 20 8123 2220
info@marketpublishers.com

6.2. BY SYSTEM
6.2.1. ELECTRODYNAMIC
6.2.2. PHOTOVOLTAIC
6.2.3. THERMOELECTRIC
6.2.4. PIEZOELECTRIC
6.2.5. RADIO FREQUENCY (RF) TRANSDUCERS
6.2.6. ELECTROMAGNETIC TRANSDUCERS
6.3. BY APPLICATION
6.3.1. BY BUILDING AND HOME AUTOMATION
6.3.2. CONSUMER ELECTRONICS
6.3.3. INDUSTRIAL
6.3.4. TRANSPORTATION
6.3.5. SECURITY AND DEFENCE

7. GEOGRAPHICAL ANALYSIS

7.1. NORTH AMERICA
7.1.1. UNITED STATES
7.1.2. CANADA

8. COMPETITIVE LANDSCAPE

8.1. MARKET SHARE ANALYSIS
8.2. STRATEGIC MOVES

9. COMPANY PROFILES

9.1. ABB LIMITED
9.1.1. COMPANY OVERVIEW
9.1.2. PRODUCT PORTFOLIO
9.1.3. SCOT ANALYSIS
9.2. ARVENI
9.2.1. COMPANY OVERVIEW
9.2.2. PRODUCT PORTFOLIO
9.2.3. SCOT ANALYSIS
9.3. CONVERGENCE WIRELESS
9.3.1. COMPANY OVERVIEW
9.3.2. PRODUCT PORTFOLIO
9.3.3. STRATEGIC INITIATIVES

9.3.4. SCOT ANALYSIS
9.4. CYMBET CORPORATION
9.4.1. COMPANY OVERVIEW
9.4.2. PRODUCT PORTFOLIO
9.4.3. SCOT ANALYSIS
9.5. ENOCEAN GMBH
9.5.1. COMPANY OVERVIEW
9.5.2. PRODUCT PORTFOLIO
9.5.3. STRATEGIC INITIATIVES
9.5.4. SCOT ANALYSIS
9.6. FUJITSU LIMITED
9.6.1. COMPANY OVERVIEW
9.6.2. PRODUCT PORTFOLIO
9.6.3. STRATEGIC INITIATIVES
9.6.4. SCOT ANALYSIS
9.7. GREEN TEG
9.7.1. COMPANY OVERVIEW
9.7.2. PRODUCT PORTFOLIO
9.7.3. STRATEGIC INITIATIVES
9.7.4. SCOT ANALYSIS
9.8. G24 INNOVATIONS LIMITED (ACQUIRED BY G24I POWER LTD)
9.8.1. COMPANY OVERVIEW
9.8.2. PRODUCT PORTFOLIO
9.8.3. STRATEGIC INITIATIVES
9.8.4. SCOT ANALYSIS
9.9. MOUSER ELECTRONICS, INC.
9.9.1. COMPANY OVERVIEW
9.9.2. PRODUCT PORTFOLIO
9.9.3. STRATEGIC INITIATIVES
9.9.4. SCOT ANALYSIS
9.10. HONEYWELL INTERNATIONALS INC.
9.10.1. COMPANY OVERVIEW
9.10.2. PRODUCT PORTFOLIO
9.10.3. STRATEGIC INITIATIVES
9.10.4. SCOT ANALYSIS
9.11. MICROCHIP TECHNOLOGY
9.11.1. COMPANY OVERVIEW
9.11.2. PRODUCT PORTFOLIO
9.11.3. STRATEGIC INITIATIVES

9.11.4. SCOT ANALYSIS
9.12. LAIRD TECHNOLOGY (NEXTREME THERMAL SOLUTIONS)
9.12.1. COMPANY OVERVIEW
9.12.2. PRODUCT PORTFOLIO
9.12.3. STRATEGIC INITIATIVES
9.12.4. SCOT ANALYSIS
9.13. SCHNEIDER ELECTRIC
9.13.1. COMPANY PROFILE
9.13.2. PRODUCT PORTFOLIO
9.13.3. STRATEGIC INITIATIVE
9.13.4. SCOT ANALYSIS
9.14. SIEMENS AG
9.14.1. COMPANY OVERVIEW
9.14.2. PRODUCT PORTFOLIO
9.14.3. STRATEGIC INITIATIVES
9.14.4. SCOT ANALYSIS
9.15. STMICROELECTRONICS N.V.
9.15.1. COMPANY OVERVIEW
9.15.2. PRODUCT PORTFOLIO
9.15.3. STRATEGIC INITIATIVES
9.15.4. SCOT ANALYSIS
9.16. TEXAS INSTRUMENT INCORPORATED
9.16.1. COMPANY OVERVIEW
9.16.2. PRODUCT PORTFOLIO
9.16.3. STRATEGIC INITIATIVE
9.16.4. SCOT ANALYSIS

TABLE LIST

TABLE 1 NORTH AMERICA ENERGY HARVESTING MARKET 2017-2024($ MILLION)
TABLE 2 ENERGY HARVESTING WIRELESS STANDARD FOR BUILDING AUTOMATION
TABLE 3 NORTH AMERICA IOT MARKET
TABLE 4 GREEN INITIATIVES BY VARIOUS GOVERNMENTS ACROSS THE GLOBE
TABLE 5 CORPORATES HARNESSING ENERGY HARVESTING
TABLE 6 ONGOING RESEARCH IN OCEAN ENERGY HARVESTING
TABLE 7 COST OF PIEZOELECTRIC ENERGY HARVESTING SYSTEM
TABLE 8 NORTH AMERICA ENERGY HARVESTING MARKET BY SOURCE 2017-2024($ MILLION)

TABLE 9 NORTH AMERICA ENERGY HARVESTING MARKET BY LIGHT ENERGY SOURCE 2017-2024 ($ MILLION)
TABLE 10 NORTH AMERICA ENERGY HARVESTING MARKET BY MECHANICAL ENERGY SOURCE 2017-2024($ MILLION)
TABLE 11 NORTH AMERICA MECHANICAL ENERGY MARKET 2017-2024 ($ MILLION)
TABLE 12 NORTH AMERICA ENERGY HARVESTING MARKET BY ELECTROMAGNETIC/RADIO FREQUENCY ENERGY SOURCE 2017-2024 ($ MILLION)
TABLE 13 NORTH AMERICA ELECTROMAGNETIC ENERGY MARKET 2017-2024 ($ MILLION)
TABLE 14 NORTH AMERICA THERMAL ENERGY MARKET 2017-2024 ($ MILLION)
TABLE 15 NORTH AMERICA OTHER ENERGY SOURCES MARKET 2017-2024 ($ MILLION)
TABLE 16 NORTH AMERICA ENERGY HARVESTING MARKET BY SYSTEM 2017-2024 ($ MILLION)
TABLE 17 DEPLOYMENT OF ELECTRODYNAMIC SYSTEMS IN POPULAR APPLICATION SECTORS
TABLE 18 NORTH AMERICA ELECTRODYNAMIC SYSTEMS MARKET 2017-2024 ($ MILLION)
TABLE 19 PROS AND CONS OF PHOTOVOLTAIC PANELS
TABLE 20 GLIMPSE OF DEPLOYMENT OF PHOTOVOLTAIC SYSTEMS IN APPLICATION SECTORS
TABLE 21 NORTH AMERICA PHOTOVOLTAIC SYSTEMS MARKET 2017-2024 ($ MILLION)
TABLE 22 ADVANTAGES AND DISADVANTAGES OF THERMOELECTRIC TRANSDUCERS/GENERATORS
TABLE 23 NORTH AMERICA THERMOELECTRIC SYSTEMS MARKET 2017-2024 ($ MILLION)
TABLE 24 ADVANTAGES AND DISADVANTAGES OF PIEZOELECTRIC TRANSDUCERS
TABLE 25 ENERGY HARVESTING THROUGH PIEZOELECTRIC MATERIAL IN USE
TABLE 26 NORTH AMERICA PIEZOELECTRIC SYSTEMS MARKET 2017-2024 ($ MILLION)
TABLE 27 NORTH AMERICA RADIO FREQUENCY TRANSDUCERS MARKET 2017-2024 ($ MILLION)
TABLE 28 NORTH AMERICA ELECTROMAGNETIC TRANSDUCERS MARKET 2017-2024 ($ MILLION)
TABLE 29 NORTH AMERICA ENERGY HARVESTING MARKET BY APPLICATION

2017-2024 ($ MILLION)
TABLE 30 NORTH AMERICA ENERGY HARVESTING IN BUILDING AND HOME AUTOMATION MARKET 2017-2024 ($ MILLION)
TABLE 31 NORTH AMERICA ENERGY HARVESTING MARKET IN CONSUMER ELECTRONICS 2017-2024 ($ MILLION)
TABLE 32 NORTH AMERICA ENERGY HARVESTING MARKET IN INDUSTRIAL 2017-2024 ($ MILLION)
TABLE 33 NORTH AMERICA ENERGY HARVESTING MARKET IN TRANSPORTATION 2017-2024 ($ MILLION)
TABLE 34 NORTH AMERICA ENERGY HARVESTING MARKET IN SECURITY AND DEFENCE 2017-2024 ($ MILLION)
TABLE 35 NORTH AMERICA ENERGY HARVESTING MARKET 2017-2024 ($ MILLION)
TABLE 36 KEY PUSH AND PULL FACTOR OF ENERGY HARVESTING MARKET IN NORTH AMERICA
TABLE 37 NORTH AMERICA ENERGY HARVESTING MARKET BY COUNTRY 2017-2024 ($ MILLION)
TABLE 38 DROC ANALYSIS OF US ENERGY HARVESTING MARKET
TABLE 39 US ENERGY HARVESTING MARKET 2017-2024 ($ MILLION)
TABLE 40 DROC ANALYSIS OF CANADA ENERGY HARVESTING MARKET
TABLE 41 CANADA ENERGY HARVESTING MARKET 2017-2024 ($ MILLION)
TABLE 42 PATHWAYS ASSESSING PROGRESS TOWARDS RENEWABLE ENERGY TARGETS.
TABLE 43 KEY DRIVERS AND CHALLENGES
FIGURES LIST
FIGURE 1 PORTER’S FIVE FORCE MODEL IN ENERGY HARVESTING MARKET
FIGURE 2 KEY BUYING CRITERIA OF ENERGY HARVESTING MARKET
FIGURE 3 REVENUE GROWTH ATTRACTIVENESS
FIGURE 4 NORTH AMERICA ENERGY HARVESTING MARKET BY APPLICATION 2017 & 2024 ($ MILLION)
FIGURE 5 ENERGY-RELATED NORTH AMERICA CO2 EMISSIONS FROM 1990 TO 2040, BY FUEL (IN BILLION METRIC TONS)
FIGURE 6 NORTH AMERICA SMARTPHONE USERS, 2016-2020 (BILLION UNITS)
FIGURE 7 USE OF ENERGY HARVESTING DEVICES IN EMERGING COUNTRIES
FIGURE 8 RESOURCE POTENTIAL OF MARINE AND HYDROKINETICS IN THE U.S. IN 2015, BY RESOURCE (IN TERAWATT HOURS PER YEAR)
FIGURE 9 TECHNOLOGY MATURITY OF VARIOUS OCEAN ENERGY CONVERSION SCHEMES
FIGURE 10 US NANOTECHNOLOGY MARKET APPLICATION

+44 20 8123 2220
info@marketpublishers.com

FIGURE 11 NORTH AMERICA ENERGY HARVESTING MARKET BY THERMAL ENERGY 2017-2024 ($ MILLION)
FIGURE 12 NORTH AMERICA ENERGY HARVESTING MARKET BY OTHER SOURCES 2017-2024 ($ MILLION)
FIGURE 13 NORTH AMERICA ENERGY HARVESTING MARKET BY ELECTRODYNAMIC 2017-2024 ($ MILLION)
FIGURE 14 NORTH AMERICA ENERGY HARVESTING MARKET BY PHOTOVOLTAIC 2017-2024 ($ MILLION)
FIGURE 15 NORTH AMERICA ENERGY HARVESTING MARKET BY THERMOELECTRIC 2017-2024 ($ MILLION)
FIGURE 16 NORTH AMERICA ENERGY HARVESTING MARKET BY PIEZOELECTRIC 2017-2024 ($ MILLION)
FIGURE 17 NORTH AMERICA ENERGY HARVESTING MARKET BY RADIO FREQUENCY (RF) TRANSDUCERS 2017-2024 ($ MILLION)
FIGURE 18 NORTH AMERICA ENERGY HARVESTING MARKET BY ELECTROMAGNETIC TRANSDUCERS 2017-2024 ($ MILLION)
FIGURE 19 NORTH AMERICA ENERGY HARVESTING MARKET BY BUILDING AND HOME AUTOMATION 2017-2024 ($ MILLION)
FIGURE 20 NORTH AMERICA ENERGY HARVESTING MARKET BY CONSUMER ELECTRONICS 2017-2024 ($ MILLION)
FIGURE 21 WHOLESALE REVENUE CONSUMER ELECTRONICS SHIPMENTS IN THE U.S. FROM 2009 TO 2016 ($ BILLIONS)
FIGURE 22 NORTH AMERICA ENERGY HARVESTING MARKET BY INDUSTRIAL 2017-2024 ($ MILLION)
FIGURE 23 NORTH AMERICA ENERGY HARVESTING MARKET BY TRANSPORTATION 2017-2024 ($ MILLION)
FIGURE 24 NORTH AMERICA ENERGY HARVESTING MARKET BY SECURITY AND DEFENCE 2017-2024 ($ MILLION)

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: NORTH AMERICA HARVESTING MARKET FORECAST 2017-2024
Product link: https://marketpublishers.com/r/N48642269B2EN.html
Price: US$ 1,950.00 (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/N48642269B2EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970