Description: A Thermoelectric generator, or TEG is a solid state device that converts heat to electrical energy through the Seebeck effect. These generators do not feature any moving parts and are fully silent unlike the traditional heat engines. Increasing demand for vehicles with improved fuel economy and stringent government legislations which limits the carbon emissions are some of the key drivers responsible the growth of this market. However, high cost of thermoelectric materials and lack of technological expertise may hamper the growth of thermoelectric generators market. At present, they are used in small applications due to their cost effective, simple, compact and scalable nature of operation. Their usage has also been featured in new applications of energy generation by thermoelectric harvesting. The new applications are diverse segment such as industrial and terrestrial applications. In addition, increasing automobile manufacturing, and rising demand for cleaner energy will create new opportunities for global thermoelectric generator market.

This report identifies the global thermoelectric generator market size in for the year 2014-2016, and forecast of the same for year 2021. It also highlights the potential growth opportunities in the coming years, while also reviewing the market drivers, restraints, growth indicators, challenges, market dynamics, competitive landscape, and other key aspects with respect to thermoelectric generator market.

Geographically North America dominated global thermoelectric generator market, and Asia-Pacific is projected to have fastest growth, owing to growth in automobile production. Among all the application areas, automotive is projected to be the high growth segment for this market owing to growth in automotive production.

This report segments global thermoelectric generator market on the basis of end-use, temperature, wattage, source, and regional market as follows:

- Thermoelectric Generator Market, by End-Use: Automobile, Aerospace & Defence, Industrial, Self-Powered Sensor, and Others
- Thermoelectric Generator Market, by Temperature: 500
- Thermoelectric Generator Market, by Wattage: 1kW
- Thermoelectric Generator Market, by Source: Bismuth Telluride, Lead Telluride, and Others

This report has been further segmented into major regions, which includes detailed analysis of each region such as: North America, Europe, Asia-Pacific (APAC), Rest of the World (RoW) covering all the major country level markets in each of the region.

This report identifies all the major companies operating in the global thermoelectric generator market. Some of the major companies’ profiles in detail are as follows:
- Gentherm, Inc.
- II-VI Incorporated
- Ferrotec Corporation
- Laird Plc
- Komatsu Corporation

Contents:
1. Thermoelectric Generator - Market Overview
2. Executive Summary
3. Market Landscape
   3.1. Market Share Analysis
   3.2. Comparative Analysis
   3.3. Product Benchmarking
   3.4. End User Profiling
   3.5. Top 5 Financials Analysis
3. Thermoelectric Generator - Market Forces
4.1. Drivers
4.1.1. Increasing fuel prices
4.1.2. Stringent carbon emission regulations
4.2. Restraints
4.2.1. Lack of Knowledge
4.2.2. Inadequacy to generate high output power
4.3. Opportunities
4.3.1. Increasing automobile manufacturing
4.3.2. Rising demand for cleaner energy
4.4. Challenges
4.5. Porter’s Five Forces Analysis
4.5.1. Bargaining Power of Suppliers
4.5.2. Bargaining Power of Buyers
4.5.3. Threat of New Entrants
4.5.4. Threat of Substitutes
4.5.5. Degree of Competition
5. Thermoelectric Generator Market, by End Use
5.1. Automobile
5.2. Aerospace & Defense
5.3. Industrial
5.4. Self-Powered Sensor
5.5. Others
6. Thermoelectric Generator Market, by Temperature
6.1. 500
7. Thermoelectric Generator Market, by Wattage
7.1. 1kW
8. Thermoelectric Generator Market, by Source
8.1. Waste Heat Recovery
8.2. Energy Harvesting
8.3. Direct Power Generation
8.4. Cogeneration
9. Thermoelectric Generator Market, by Material
9.1. Bismuth Telluride
9.2. Lead Telluride
9.3. Others
10.1. Europe
10.1.1. Germany
10.1.2. France
10.1.3. U.K.
10.1.4. Rest of Europe
10.2. Asia Pacific
10.2.1. China
10.2.2. India
10.2.3. Japan
10.2.4. Rest of Asia-Pacific
10.3. North America
10.3.1. U.S.
10.3.2. Canada
10.3.3. Mexico
10.4. Rest of the World (RoW)
10.4.1. Brazil
10.4.2. Rest of RoW
11. Thermoelectric Generator - Market Entropy
11.1. Expansion
11.2. Technological Developments
11.3. Merger & Acquisitions, and Joint Ventures
11.4. Supply-Contract
12. Company Profiles (Top 10 Companies)
12.1. Gentherm, Inc.
12.1.1. Introduction
12.1.2. Financials
12.1.3. Key Insights
12.1.4. Key Strategy
12.1.5. Product Portfolio
12.1.6. SWOT Analysis
12.2. II-VI Incorporated
12.2.1. Introduction
12.2.2. Financials
12.2.3. Key Insights
12.2.4. Key Strategy
12.2.5. Product Portfolio
12.2.6. SWOT Analysis
12.3. Ferrotec Corporation
12.3.1. Introduction
12.3.2. Financials
12.3.3. Key Insights
12.3.4. Key Strategy
12.3.5. Product Portfolio
12.3.6. SWOT Analysis
12.4. Laird PLC
12.4.1. Introduction
12.4.2. Financials
12.4.3. Key Insights
12.4.4. Key Strategy
12.4.5. Product Portfolio
12.4.6. SWOT Analysis
12.5. Komatsu Corporation
12.5.1. Introduction
12.5.2. Financials
12.5.3. Key Insights
12.5.4. Key Strategy
12.5.5. Product Portfolio
12.5.6. SWOT Analysis
12.6. Yamaha Corporation
12.6.1. Introduction
12.6.2. Financials
12.6.3. Key Insights
12.6.4. Key Strategy
12.6.5. Product Portfolio
12.6.6. SWOT Analysis
12.7. Evident Thermoelectrics
12.7.1. Introduction
12.7.2. Financials
12.7.3. Key Insights
12.7.4. Key Strategy
12.7.5. Product Portfolio
12.7.6. SWOT Analysis
12.8. Tecteg
12.8.1. Introduction
12.8.2. Financials
12.8.3. Key Insights
12.8.4. Key Strategy
12.8.5. Product Portfolio
12.8.6. SWOT Analysis
12.9. Alphabet Energy
12.9.1. Introduction
12.9.2. Financials
12.9.3. Key Insights
12.9.4. Key Strategy
12.9.5. Product Portfolio
12.9.6. SWOT Analysis
12.10. Tellurex Corporation
12.10.1. Introduction
12.10.2. Financials
12.10.3. Key Insights
12.10.4. Key Strategy
12.10.5. Product Portfolio
12.10.6. SWOT Analysis
*More than 40 Companies are profiled in this Research Report, Complete List available on Request*
**Financials would be provided on a best efforts basis for private companies”

13. Appendix
13.1. Abbreviations
13.2. Sources
13.3. Research Methodology
13.4. Expert Insights

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