

**District Heating and Cooling Market By Heat Source (Coal, Natural Gas, Renewables, Oil and Petroleum Products, Others), By Application (Residential, Commercial, Industrial) : Global Opportunity Analysis and Industry Forecast, 2024-2033**

Market Report | 2024-06-01 | 350 pages | Allied Market Research

**AVAILABLE LICENSES:**

- Cloud Access License \$2340.90
- Business User License \$5157.00
- Enterprise License \$6534.90

**Report description:**

The global district heating and cooling market was valued at \$191.5 billion in 2023, and is projected to reach \$251.3 billion by 2033, growing at a CAGR of 2.7% from 2024 to 2033.□

District heating and cooling (DHC) is a centralized energy distribution system that provides heating and/or cooling to multiple buildings or facilities within a defined geographic area, typically an urban or suburban district. In a district heating system, heat is generated centrally at a central plant, often through the combustion of fossil fuels, biomass, or by harnessing renewable energy sources such as geothermal energy or waste heat from industrial processes. This system enables the utilization of waste heat from various sources, improving overall energy efficiency and reducing greenhouse gas emissions.□

The growth of the district heating and cooling market is driven due to its quality of offering a more environmentally friendly alternative to conventional heating and cooling methods. They utilize waste heat from various sources such as industrial processes, power generation, and renewable energy systems, reducing greenhouse gas emissions and overall energy consumption. Moreover, rapid urbanization witnessed across the globe has led to increased energy demand in densely populated areas. For instance, according to a report published by the International Energy Agency in 2023, the global electricity demand rose by 2.3% in 2023. District heating and cooling systems are particularly well-suited for urban environments, where the concentration of buildings enables cost-effective implementation and efficient heat exchange, thus driving the market growth.□ However, high upfront investment required for infrastructure development hinders the growth of the market. Building the necessary networks of pipes, pumps, and heat exchange facilities is costly, especially in densely populated urban areas with existing infrastructure. On the other hand, the district heating and cooling market offers several opportunities for stakeholders to innovate, collaborate, and drive sustainable growth. For instance, in January 2024, Danfoss acquired Enfor's district heating and cooling technology, now sold under the name Danfoss Leanheat. This strategic acquisition is expected to enhance the footprint of Danfoss for district heating and cooling business.□

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## Segmentation Overview

The district heating and cooling market is segmented into heat source, application, and region. By heat source, the market is divided into coal, natural gas, renewables, oil & petroleum products, and others. As per application, it is categorized into residential, commercial, and industrial. Region wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

## Key Findings

By heat source, the coal segment is expected to dominate the market by 2033.

Depending on the application, the commercial segment is anticipated to witness substantial growth during the forecast period.

Region wise, Europe is predicted to maintain its dominance during the projection period.

## Competitive Scenario

The major players operating in the district heating and cooling market include Fortum, Vattenfall, ENGIE, Danfoss, Statkraft, Ramboll, General Electric, Uniper, FVB Energy Inc., and Helen. Other players in the district heating and cooling market include Dall Energy, Logstor A/S, Emirates District Cooling LLC, ADC Energy Systems LLC, KELAG Warme GmbH, Tekla Corporation, and Vitai Energi. These players have adopted several strategies, including mergers & acquisitions, partnerships, collaborations, and product development & innovation to maintain their position in the market.

Additional benefits you will get with this purchase are:

- Quarterly Update and\* (only available with a corporate license, on listed price)
- 5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.
- Free Upcoming Version on the Purchase of Five and Enterprise User License.
- 16 analyst hours of support\* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)
- 15% Free Customization\* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)
- Free data Pack on the Five and Enterprise User License. (Excel version of the report)
- Free Updated report if the report is 6-12 months old or older.
- 24-hour priority response\*
- Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)

- Consumer Buying Behavior Analysis
- Investment Opportunities
- Upcoming/New Entrant by Regions
- Technology Trend Analysis
- Patient/epidemiology data at country, region, global level
- Regulatory Guidelines
- Strategic Recommendations
- Additional company profiles with specific to client's interest
- Additional country or region analysis- market size and forecast
- Brands Share Analysis
- Criss-cross segment analysis- market size and forecast
- Expanded list for Company Profiles
- Historic market data
- Import Export Analysis/Data
- Key player details (including location, contact details, supplier/vendor network etc. in excel format)
- List of customers/consumers/raw material suppliers- value chain analysis
- SWOT Analysis

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## Key Market Segments

### By Heat Source

- Coal
- Natural Gas
- Renewables
- Oil and Petroleum Products
- Others

### By Application

- Residential
- Commercial
- Industrial

### By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- UK
- France
- Spain
- Italy
- Rest of Europe
- Asia-Pacific
- China
- India
- Japan
- South Korea
- Australia
- Rest of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- Fortum Oyj
- Vattenfall
- ENGIE
- Danfoss
- Statkraft,
- Ramboll
- General Electric
- Uniper
- FVB Energy Inc.
- Helen

## Table of Contents:

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
  - 1.4.1. Primary Research
  - 1.4.2. Secondary Research
  - 1.4.3. Analyst Tools and Models

## CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

## CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
  - 3.2.1. Top Investment Pockets
  - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
  - 3.3.1. Bargaining Power of Suppliers
  - 3.3.2. Threat of New Entrants
  - 3.3.3. Threat of Substitutes
  - 3.3.4. Competitive Rivalry
  - 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
  - 3.4.1. Drivers
  - 3.4.2. Restraints
  - 3.4.3. Opportunities

## CHAPTER 4: CLEAN ENERGY INFRASTRUCTURE MARKET, BY INFRASTRUCTURE TYPE

- 4.1. Market Overview
  - 4.1.1 Market Size and Forecast, By Infrastructure Type
- 4.2. Power Generation Facilities
  - 4.2.1. Key Market Trends, Growth Factors and Opportunities
  - 4.2.2. Market Size and Forecast, By Region
  - 4.2.3. Market Share Analysis, By Country
- 4.3. Energy Storage Systems
  - 4.3.1. Key Market Trends, Growth Factors and Opportunities
  - 4.3.2. Market Size and Forecast, By Region
  - 4.3.3. Market Share Analysis, By Country
- 4.4. Transmission
  - 4.4.1. Key Market Trends, Growth Factors and Opportunities
  - 4.4.2. Market Size and Forecast, By Region
  - 4.4.3. Market Share Analysis, By Country
- 4.5. Distribution Networks
  - 4.5.1. Key Market Trends, Growth Factors and Opportunities
  - 4.5.2. Market Size and Forecast, By Region
  - 4.5.3. Market Share Analysis, By Country

## CHAPTER 5: CLEAN ENERGY INFRASTRUCTURE MARKET, BY END-USE

- 5.1. Market Overview
  - 5.1.1 Market Size and Forecast, By End-use

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 5.2. Residential
  - 5.2.1. Key Market Trends, Growth Factors and Opportunities
  - 5.2.2. Market Size and Forecast, By Region
  - 5.2.3. Market Share Analysis, By Country
- 5.3. Commercial
  - 5.3.1. Key Market Trends, Growth Factors and Opportunities
  - 5.3.2. Market Size and Forecast, By Region
  - 5.3.3. Market Share Analysis, By Country
- 5.4. Industrial
  - 5.4.1. Key Market Trends, Growth Factors and Opportunities
  - 5.4.2. Market Size and Forecast, By Region
  - 5.4.3. Market Share Analysis, By Country
- CHAPTER 6: CLEAN ENERGY INFRASTRUCTURE MARKET, BY REGION
  - 6.1. Market Overview
    - 6.1.1 Market Size and Forecast, By Region
  - 6.2. North America
    - 6.2.1. Key Market Trends and Opportunities
    - 6.2.2. Market Size and Forecast, By Infrastructure Type
    - 6.2.3. Market Size and Forecast, By End-use
    - 6.2.4. Market Size and Forecast, By Country
    - 6.2.5. U.S. Clean Energy Infrastructure Market
      - 6.2.5.1. Market Size and Forecast, By Infrastructure Type
      - 6.2.5.2. Market Size and Forecast, By End-use
    - 6.2.6. Canada Clean Energy Infrastructure Market
      - 6.2.6.1. Market Size and Forecast, By Infrastructure Type
      - 6.2.6.2. Market Size and Forecast, By End-use
    - 6.2.7. Mexico Clean Energy Infrastructure Market
      - 6.2.7.1. Market Size and Forecast, By Infrastructure Type
      - 6.2.7.2. Market Size and Forecast, By End-use
  - 6.3. Europe
    - 6.3.1. Key Market Trends and Opportunities
    - 6.3.2. Market Size and Forecast, By Infrastructure Type
    - 6.3.3. Market Size and Forecast, By End-use
    - 6.3.4. Market Size and Forecast, By Country
    - 6.3.5. France Clean Energy Infrastructure Market
      - 6.3.5.1. Market Size and Forecast, By Infrastructure Type
      - 6.3.5.2. Market Size and Forecast, By End-use
    - 6.3.6. Germany Clean Energy Infrastructure Market
      - 6.3.6.1. Market Size and Forecast, By Infrastructure Type
      - 6.3.6.2. Market Size and Forecast, By End-use
    - 6.3.7. Italy Clean Energy Infrastructure Market
      - 6.3.7.1. Market Size and Forecast, By Infrastructure Type
      - 6.3.7.2. Market Size and Forecast, By End-use
    - 6.3.8. Spain Clean Energy Infrastructure Market
      - 6.3.8.1. Market Size and Forecast, By Infrastructure Type
      - 6.3.8.2. Market Size and Forecast, By End-use
    - 6.3.9. UK Clean Energy Infrastructure Market

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 6.3.9.1. Market Size and Forecast, By Infrastructure Type
  - 6.3.9.2. Market Size and Forecast, By End-use
  - 6.3.10. Rest of Europe Clean Energy Infrastructure Market
    - 6.3.10.1. Market Size and Forecast, By Infrastructure Type
    - 6.3.10.2. Market Size and Forecast, By End-use
  - 6.4. Asia-Pacific
    - 6.4.1. Key Market Trends and Opportunities
    - 6.4.2. Market Size and Forecast, By Infrastructure Type
    - 6.4.3. Market Size and Forecast, By End-use
    - 6.4.4. Market Size and Forecast, By Country
    - 6.4.5. China Clean Energy Infrastructure Market
      - 6.4.5.1. Market Size and Forecast, By Infrastructure Type
      - 6.4.5.2. Market Size and Forecast, By End-use
    - 6.4.6. Japan Clean Energy Infrastructure Market
      - 6.4.6.1. Market Size and Forecast, By Infrastructure Type
      - 6.4.6.2. Market Size and Forecast, By End-use
    - 6.4.7. India Clean Energy Infrastructure Market
      - 6.4.7.1. Market Size and Forecast, By Infrastructure Type
      - 6.4.7.2. Market Size and Forecast, By End-use
    - 6.4.8. South Korea Clean Energy Infrastructure Market
      - 6.4.8.1. Market Size and Forecast, By Infrastructure Type
      - 6.4.8.2. Market Size and Forecast, By End-use
    - 6.4.9. Australia Clean Energy Infrastructure Market
      - 6.4.9.1. Market Size and Forecast, By Infrastructure Type
      - 6.4.9.2. Market Size and Forecast, By End-use
    - 6.4.10. Rest of Asia-Pacific Clean Energy Infrastructure Market
      - 6.4.10.1. Market Size and Forecast, By Infrastructure Type
      - 6.4.10.2. Market Size and Forecast, By End-use
  - 6.5. LAMEA
    - 6.5.1. Key Market Trends and Opportunities
    - 6.5.2. Market Size and Forecast, By Infrastructure Type
    - 6.5.3. Market Size and Forecast, By End-use
    - 6.5.4. Market Size and Forecast, By Country
    - 6.5.5. Brazil Clean Energy Infrastructure Market
      - 6.5.5.1. Market Size and Forecast, By Infrastructure Type
      - 6.5.5.2. Market Size and Forecast, By End-use
    - 6.5.6. South Africa Clean Energy Infrastructure Market
      - 6.5.6.1. Market Size and Forecast, By Infrastructure Type
      - 6.5.6.2. Market Size and Forecast, By End-use
    - 6.5.7. Saudi Arabia Clean Energy Infrastructure Market
      - 6.5.7.1. Market Size and Forecast, By Infrastructure Type
      - 6.5.7.2. Market Size and Forecast, By End-use
    - 6.5.8. Rest of LAMEA Clean Energy Infrastructure Market
      - 6.5.8.1. Market Size and Forecast, By Infrastructure Type
      - 6.5.8.2. Market Size and Forecast, By End-use
- CHAPTER 7: COMPETITIVE LANDSCAPE
- 7.1. Introduction

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 7.2. Top Winning Strategies
- 7.3. Product Mapping of Top 10 Player
- 7.4. Competitive Dashboard
- 7.5. Competitive Heatmap
- 7.6. Top Player Positioning, 2023
- CHAPTER 8: COMPANY PROFILES
- 8.1. NextEra Energy, Inc.
  - 8.1.1. Company Overview
  - 8.1.2. Key Executives
  - 8.1.3. Company Snapshot
  - 8.1.4. Operating Business Segments
  - 8.1.5. Product Portfolio
  - 8.1.6. Business Performance
  - 8.1.7. Key Strategic Moves and Developments
- 8.2. Enel Spa
  - 8.2.1. Company Overview
  - 8.2.2. Key Executives
  - 8.2.3. Company Snapshot
  - 8.2.4. Operating Business Segments
  - 8.2.5. Product Portfolio
  - 8.2.6. Business Performance
  - 8.2.7. Key Strategic Moves and Developments
- 8.3. Iberdrola
  - 8.3.1. Company Overview
  - 8.3.2. Key Executives
  - 8.3.3. Company Snapshot
  - 8.3.4. Operating Business Segments
  - 8.3.5. Product Portfolio
  - 8.3.6. Business Performance
  - 8.3.7. Key Strategic Moves and Developments
- 8.4. Canadian Solar
  - 8.4.1. Company Overview
  - 8.4.2. Key Executives
  - 8.4.3. Company Snapshot
  - 8.4.4. Operating Business Segments
  - 8.4.5. Product Portfolio
  - 8.4.6. Business Performance
  - 8.4.7. Key Strategic Moves and Developments
- 8.5. First Solar
  - 8.5.1. Company Overview
  - 8.5.2. Key Executives
  - 8.5.3. Company Snapshot
  - 8.5.4. Operating Business Segments
  - 8.5.5. Product Portfolio
  - 8.5.6. Business Performance
  - 8.5.7. Key Strategic Moves and Developments
- 8.6. SunPower Corporation

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 8.6.1. Company Overview
- 8.6.2. Key Executives
- 8.6.3. Company Snapshot
- 8.6.4. Operating Business Segments
- 8.6.5. Product Portfolio
- 8.6.6. Business Performance
- 8.6.7. Key Strategic Moves and Developments
- 8.7. ACCIONA ENERGIA
- 8.7.1. Company Overview
- 8.7.2. Key Executives
- 8.7.3. Company Snapshot
- 8.7.4. Operating Business Segments
- 8.7.5. Product Portfolio
- 8.7.6. Business Performance
- 8.7.7. Key Strategic Moves and Developments
- 8.8. Suzlon Energy Limited
- 8.8.1. Company Overview
- 8.8.2. Key Executives
- 8.8.3. Company Snapshot
- 8.8.4. Operating Business Segments
- 8.8.5. Product Portfolio
- 8.8.6. Business Performance
- 8.8.7. Key Strategic Moves and Developments
- 8.9. Adani Group.
- 8.9.1. Company Overview
- 8.9.2. Key Executives
- 8.9.3. Company Snapshot
- 8.9.4. Operating Business Segments
- 8.9.5. Product Portfolio
- 8.9.6. Business Performance
- 8.9.7. Key Strategic Moves and Developments
- 8.10. Tata Power
- 8.10.1. Company Overview
- 8.10.2. Key Executives
- 8.10.3. Company Snapshot
- 8.10.4. Operating Business Segments
- 8.10.5. Product Portfolio
- 8.10.6. Business Performance
- 8.10.7. Key Strategic Moves and Developments

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)



**District Heating and Cooling Market By Heat Source (Coal, Natural Gas, Renewables, Oil and Petroleum Products, Others), By Application (Residential, Commercial, Industrial) : Global Opportunity Analysis and Industry Forecast, 2024-2033**

Market Report | 2024-06-01 | 350 pages | Allied Market Research

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Cloud Access License	\$2340.90
	Business User License	\$5157.00
	Enterprise License	\$6534.90
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ \*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-09"/>

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Signature

A large, empty rectangular box with a thin black border, intended for a signature.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)