

District Cooling Market Size, Share, and Analysis, By Production Technique (Free Cooling, Absorption Cooling, Heat Pumps, Electric Chillers, Others), By Operation (Storage, Distribution, and Production), By Application (Residential, Commercial, and Industrial), and By Region (North America, Europe, Asia-Pacific, And Rest of the World) And Regional Forecast 2024-2034

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Abstracts

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PRODUCT OVERVIEW

District Cooling Market is anticipated to exhibit a Compound Annual Growth Rate (CAGR) of 7.4% during the forecast span from 2024 to 2034. In 2023, the market size was assessed at USD 28.5 billion and is projected to reach USD 62.6 billion by the completion of 2034.

District cooling is a centralized cooling system designed to provide chilled water for air conditioning within a specific region. It operates through a central plant that produces chilled water and distributes it to various buildings via underground pipes. The chilled water is then used to cool the air conditioning systems of building. Moreover, the

system has several benefits over separate cooling systems such as improved energy efficiency, lower environmental impact, and less maintenance costs. District cooling systems provide scalability which enables greater efficiency in cooling plants than individual units, resulting in cost savings. Furthermore, these cooling systems reduces the need for refrigerants in buildings, which contributes t%li%a low environmental footprint. Hence, district cooling is an innovative and sustainable approach that promotes energy conservation in urban settings while providing dependable cooling solutions t%li%large areas or population.

MARKET HIGHLIGHTS

District Cooling Market is projected t%li%achieve USD 62.6 billion during the forecast period, owing t%li%growing emphasis on energy-efficient and sustainable infrastructure solutions. The growth of district cooling market has been driven by rising urbanization & increasing demand for environmentally mindful cooling systems. Various government-led initiatives that promote energy conservation and carbon footprint reduction have accelerated market growth. Furthermore, improvements in technology, particularly in the areas of efficient chilling plants and distribution networks, have significantly contributed t%li%market growth. Additionally, significant investments from the public and private sectors have promoted innovations, especially in regions aiming for sustainable urban development. Therefore, the district cooling market will continue t%li%thrive as it meets the urgent demand for effective and sustainable cooling solutions in highly populated urban areas around the world.

District Cooling Market Segments:

By Production Technique

Free Cooling

Absorption Cooling

Heat Pumps

Electric Chillers

Others

By Operation

Storage

Distribution

Production

By Application

Residential

Commercial

Industrial

MARKET DYNAMICS

Growth Drivers

Urbanization and the Development of Infrastructure Will Fuel Market Growth

Initiatives for Environmental Sustainability Will Provide Opportunities for Market Growth

Restraint

High Initial Investments Could Prevent Market Expansion

Key Players

ENGIE

Veolia

Tabreed

Ramboll Group

Shinry Corporation

Stellar Energy

Logstor

Qatar District Cooling Company (Qatar Cool)

Fortum

Siemens AG

Vattenfall AB

Danfoss

SNC-Lavalin Group Inc.

Pal Group (PAL Technology)

Empower

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market
in the years to come

3-month post-sales analyst support.

Contents

1. EXECUTIVE SUMMARY

- 1.1. Regional Market Share
- 1.2. Business Trends
- 1.3. District Cooling Market: COVID-19 Outbreak
- 1.4. Regional Trends
- 1.5. Segmentation Snapshot

2. RESEARCH METHODOLOGY

- 2.1. Research Objective
- 2.2. Research Approach
- 2.3. Data Sourcing and Methodology
- 2.4. Primary Research
- 2.5. Secondary Research
 - 2.5.1. Paid Sources
 - 2.5.2. Public Sources
- 2.6. Market Size Estimation and Data Triangulation

3. MARKET CHARACTERISTICS

- 3.1. Market Definition
- 3.2. District Cooling Market: COVID-19 Impact
- 3.3. Key Segmentations
- 3.4. Key Developments
- 3.5. Allied Industry Data

4. DISTRICT COOLING MARKET – INDUSTRY INSIGHTS

- 4.1. Industry Segmentation
- 4.2. COVID-19 overview on world economy
- 4.3. Industry ecosystem Channel analysis
- 4.4. Innovation & Sustainability

5. MACROECONOMIC INDICATORS

6. RECENT DEVELOPMENTS

7.MARKET DYNAMICS

- 7.1. Introduction
- 7.2.Growth Drivers
- 7.3.Market Opportunities
- 7.4. Market Restraints
- 7.5.Market Trends

8. RISK ANALYSIS

9. MARKET ANALYSIS

- 9.1. Porters Five Forces
- 9.2.PEST Analysis
 - 9.2.1. Political
 - 9.2.2.Economic
 - 9.2.3.Social
 - 9.2.4.Technological

10. DISTRICT COOLING MARKET

- 10.1.Overview
- 10.2. Historical Analysis (2019-2022)
 - 10.2.1. Market Size, Y-o-Y Growth (%) and Market Forecast

11.DISTRICT COOLING MARKET SIZE & FORECAST 2024A-2034F

- 11.1.Overview
- 11.2. Key Findings
- 11.3. Market Segmentation
 - 11.3.1.By Production Technique
 - 11.3.1.1. Free Cooling
 - 11.3.1.1.1. By Value (USD Million) 2024-2034F
 - 11.3.1.1.2.Market Share (%) 2024-2034F
 - 11.3.1.1.3.Y-o-Y Growth (%) 2024-2034F
 - 11.3.1.2.Absorption Cooling
 - 11.3.1.2.1.By Value (USD Million) 2024-2034F
 - 11.3.1.2.2. Market Share (%) 2024-2034F

- 11.3.1.2.3. Y-o-Y Growth (%) 2024-2034F
- 11.3.1.3.Heat Pumps
 - 11.3.1.3.1.By Value (USD Million) 2024-2034F
 - 11.3.1.3.2. Market Share (%) 2024-2034F
 - 11.3.1.3.3. Y-o-Y Growth (%) 2024-2034F
- 11.3.1.4.Electric Chillers
 - 11.3.1.4.1.By Value (USD Million) 2024-2034F
 - 11.3.1.4.2. Market Share (%) 2024-2034F
 - 11.3.1.4.3. Y-o-Y Growth (%) 2024-2034F
- 11.3.1.5.Others
 - 11.3.1.5.1.By Value (USD Million) 2024-2034F
 - 11.3.1.5.2. Market Share (%) 2024-2034F
 - 11.3.1.5.3. Y-o-Y Growth (%) 2024-2034F
- 11.3.2. By Operation
 - 11.3.2.1.Storage
 - 11.3.2.1.1.By Value (USD Million) 2024-2034F
 - 11.3.2.1.2. Market Share (%) 2024-2034F
 - 11.3.2.1.3. Y-o-Y Growth (%) 2024-2034F
 - 11.3.2.2. Distribution
 - 11.3.2.2.1. By Value (USD Million) 2024-2034F
 - 11.3.2.2.2.Market Share (%) 2024-2034F
 - 11.3.2.2.3.Y-o-Y Growth (%) 2024-2034F
 - 11.3.2.3. Production
 - 11.3.2.3.1. By Value (USD Million) 2024-2034F
 - 11.3.2.3.2.Market Share (%) 2024-2034F
 - 11.3.2.3.3.Y-o-Y Growth (%) 2024-2034F
- 11.3.3. By Application
 - 11.3.3.1.Residential
 - 11.3.3.1.1.By Value (USD Million) 2024-2034F
 - 11.3.3.1.2. Market Share (%) 2024-2034F
 - 11.3.3.1.3. Y-o-Y Growth (%) 2024-2034F
 - 11.3.3.2. Commercial
 - 11.3.3.2.1. By Value (USD Million) 2024-2034F
 - 11.3.3.2.2.Market Share (%) 2024-2034F
 - 11.3.3.2.3.Y-o-Y Growth (%) 2024-2034F
 - 11.3.3.3. Industrial
 - 11.3.3.3.1. By Value (USD Million) 2024-2034F
 - 11.3.3.3.2.Market Share (%) 2024-2034F
 - 11.3.3.3.3.Y-o-Y Growth (%) 2024-2034F

12. NORTH AMERICA DISTRICT COOLING MARKET SIZE & FORECAST 2024A-2034F

- 12.1. Overview
- 12.2. Key Findings
- 12.3. Market Segmentation
 - 12.3.1. By Product Equipment
 - 12.3.2. By Operation
 - 12.3.3. By Application
- 12.4. Country
 - 12.4.1. United States
 - 12.4.2. Canada

13. EUROPE DISTRICT COOLING MARKET SIZE & FORECAST 2024A-2034F

- 13.1. Overview
- 13.2. Key Findings
- 13.3. Market Segmentation
 - 13.3.1. By Product Equipment
 - 13.3.2. By Operation
 - 13.3.3. By Application
- 13.4. Country
 - 13.4.1. Germany
 - 13.4.2. United Kingdom
 - 13.4.3. France
 - 13.4.4. Italy
 - 13.4.5. Spain
 - 13.4.6. Russia
 - 13.4.7. Rest of Europe (BENELUX, NORDIC, Hungary, Turkey & Poland)

14. ASIA-PACIFIC DISTRICT COOLING MARKET SIZE & FORECAST 2024A-2034F

- 14.1. Overview
- 14.2. Key Findings
- 14.3. Market Segmentation
 - 14.3.1. By Product Equipment
 - 14.3.2. By Operation
 - 14.3.3. By Application

14.4. Country

14.4.1. India

14.4.2. China

14.4.3. South Korea

14.4.4. Japan

14.4.5. Rest of APAC

15. MIDDLE EAST AND AFRICA DISTRICT COOLING MARKET SIZE & FORECAST 2024A-2034F

15.1. Overview

15.2. Key Findings

15.3. Market Segmentation

15.3.1. By Product Equipment

15.3.2. By Operation

15.3.3. By Application

15.4. Country

15.4.1. Israel

15.4.2. GCC

15.4.3. North Africa

15.4.4. South Africa

15.4.5. Rest of Middle East and Africa

16. LATIN AMERICA DISTRICT COOLING MARKET SIZE & FORECAST 2024A-2034F

16.1. Overview

16.2. Key Findings

16.3. Market Segmentation

16.3.1. By Product Equipment

16.3.2. By Operation

16.3.3. By Application

16.4. Country

16.4.1. Mexico

16.4.2. Brazil

16.4.3. Rest of Latin America

17. COMPETITIVE LANDSCAPE

17.1. Company market share, 2023

17.2. Key player overview

17.3. Key stakeholders

18. COMPANY PROFILES

18.1. ENGIE

18.1.1. Company Overview

18.1.2. Financial Overview

18.1.3. Key Product; Analysis

18.1.4. Company Assessment

18.1.4.1. Product Portfolio

18.1.4.2. Key Clients

18.1.4.3. Market Share

18.1.4.4. Recent News & Development (Last 3 Yrs.)

18.1.4.5. Executive Team

18.2. Veolia

18.3. Tabreed (National Central Cooling Company PJSC)

18.4. Empower (Emirates Central Cooling Systems Corporation)

18.5. Ramboll Group

18.6. Shinryo Corporation

18.7. Stellar Energy

18.8. Logstor

18.9. Qatar District Cooling Company

18.10. Fortum

18.11. Siemens AG

18.12. Vattenfall AB

18.13. Danfoss

18.14. SNC-Lavalin Group Inc.

18.15. Pal Group

18.16. Other Prominent Players

19. APPENDIX

20. CONSULTANT RECOMMENDATION

I would like to order

Product name: District Cooling Market Size, Share, and Analysis, By Production Technique (Free Cooling, Absorption Cooling, Heat Pumps, Electric Chillers, Others), By Operation (Storage, Distribution, and Production), By Application (Residential, Commercial, and Industrial), and By Region (North America, Europe, Asia-Pacific, And Rest of the World) And Regional Forecast 2024-2034

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