

Chilled Beam System Market with COVID-19 impact by Design (Active, Passive, Multi-Service), Business (New Construction, Renovation), Application (Commercial Offices, Educational Institutions, Healthcare, Hotels), Geography - Global Forecasts to 2025

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Abstracts

The global chilled beam system market size is estimated at USD 203 million in 2020. It is projected to reach USD 298 million by 2025; it is expected to grow at a CAGR of 7.9% from 2020 to 2025. Increasing need for energy savings coupled with various benefits offered by chilled beam systems such as thermal comfort, floor to floor savings, and improved air quality over traditional HVAC systems are expected drive the chilled beam system market during the forecast period. Additionally, the increasing need for reduction in the building lifecycle cost would expand the scale and scope of the chilled beam market. However, factors such as lack of consumer awareness and high initial costs are expected to act as a restraint for market growth.

COVID-19 has affected the operations and financial condition of chilled beam system providers. The pandemic has resulted in a widespread health crisis, which is adversely affecting the financial markets and economies of countries and end-users. This is expected to lead to an economic downturn and significantly affect the chilled beam system market.

“The market for multi-service chilled beams to witness high-growth potential during the forecast period”

The market for multi-service chilled beams is projected to grow at the highest CAGR

from 2020 to 2025. Multi-service chilled beam offers an alternative to suspended ceilings for ventilation, cooling, and heating, thereby fulfilling most needs for indoor climate. These chilled beams provide very economic cooling, acoustic baffling, as well as modern lighting and are incorporated with a variety of other services such as sprinkler systems, public address systems, Passive Infrared (PIR) sensors, smoke detectors, voice and data cables, and Closed-Circuit Television (CCTV). Increasing use of these products in commercial offices, hotels, and other applications is likely to drive the market for multi-service chilled beams.

“The chilled beam system market in hotel application to grow at highest CAGR during the forecast period”

The chilled beams can be fit in a way that it won't deter indoor ambiance or fixture of a hotel. Chilled beams offer low noise, great indoor air quality, and thermal comfort which are essential in a hotel environment. This makes the chilled beam systems as the most suitable indoor environment system for hotels thus complementing the market growth.

“Europe to be the largest market for chilled beam system during the forecast period”

The chilled beam systems have become prevalent in the European commercial offices due to its various compelling benefits such as excellent performance, dramatic energy savings for little or no additional costs over conventional systems, and high cooling capacities. These products are also gaining popularity in other end-user applications such as laboratories, healthcare facilities, and retail stores. Moreover, increasing construction activities in Nordic and Eastern Europe regions is likely to drive the regional chilled beam market.

The COVID-19 pandemic has severely hit the chilled beam system market in Europe. The pandemic has caused bottlenecks in the chilled beam market's supply chain. As manufacturing plants were closed or reduced operation and staff were put on furlough, it resulted in logistical challenges and disrupted contractor/ distributor activities which largely reduced inventories and the ability to serve customers on time.

Break-up of the profiles of primary participants:

By Company Type – Tier 1 – 20%, Tier 2 – 55%, and Tier 3 – 25%

By Designation – C-level Executives – 30%, Directors – 55%, and Managers – 15%

By Region – North America - 40%, Europe – 35%, APAC – 15%, and RoW – 10%

Key players in the market include Climate Technologies (Australia), FiktGroup Holding GmbH (Germany), FTF Group (UK), Halton Group (Finland), Lindab (Sweden), Price Industries (Canada), Swegon Group AB (Sweden), Systemair AB (Sweden), TROX GmbH (Germany), Johnson Controls International plc (Ireland), Titus (US), Krantz Limited (UK), Kiefer Klimatechnik GmbH (Germany), Barcol-Air Group AG (Switzerland), EB Air Control Inc. (Canada), Twa Panel Systems, Inc. (Canada), Carrier (US), AirFixture, LLC (US), Airvent (Hungary), NuClimate Air Quality Systems, Inc. (US), MADEL Air Technical Diffusion (US), Grada International (Belgium), Solid Air International (Netherlands), ROCCEGGIANI SPA (Italy), and Caverion Corporation (Finland).

The global chilled beam system market is segmented on the basis of design type, business, application, and geography. The market based on design type is segmented into active chilled beams, passive chilled beams, and multi-service chilled beams. Based on business, the market is segmented into new construction and renovation. Based on application, the market is segmented into commercial offices, educational institutions, healthcare facilities, hotels, and others. The chilled beam system market is segmented into four regions—North America, Europe, Asia Pacific (APAC), and the Rest of the World (RoW).

Reasons to buy the report:

Illustrative segmentation, analysis, and forecast for markets based on design type, business, application, and region have been conducted to give an overall view of the chilled beam system market.

The value chain analysis has been performed to provide an in-depth insight into the chilled beam system market.

Major drivers, restraints, opportunities, and challenges pertaining to the chilled beam system market have been detailed in this report.

Detailed information regarding the COVID-19 impact on the chilled beam system market has been provided in the report.

The report includes a detailed competitive landscape along with key players, in-depth analysis, and revenue of key players.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS AND EXCLUSIONS

1.3 STUDY SCOPE

1.3.1 MARKETS COVERED

FIGURE 1 CHILLED BEAM SYSTEM MARKET SEGMENTATION

1.3.2 GEOGRAPHIC SCOPE

1.3.3 YEARS CONSIDERED

1.4 CURRENCY

1.5 STAKEHOLDERS

1.6 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 RESEARCH DESIGN

2.1.1 SECONDARY AND PRIMARY RESEARCH

2.1.2 SECONDARY DATA

2.1.2.1 List of major secondary sources

2.1.2.2 Key data from secondary sources

2.1.3 PRIMARY DATA

2.1.3.1 Key data from primary sources

2.1.3.2 Key industry insights

2.1.3.3 Breakdown of primaries

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

2.2.1.1 Approach for arriving at market share by bottom-up approach (demand side):

FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

2.2.2.1 Approach for capturing market share by top-down analysis (supply side)

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: SUPPLY-SIDE ANALYSIS

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY FOR CHILLED BEAM SYSTEMS THROUGH SUPPLY-SIDE ANALYSIS

2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 7 MARKET BREAKDOWN AND DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS AND LIMITATIONS

2.4.1 ASSUMPTIONS

FIGURE 8 ASSUMPTIONS OF RESEARCH STUDY

2.4.2 LIMITATIONS

FIGURE 9 LIMITATIONS OF RESEARCH STUDY

3 EXECUTIVE SUMMARY

FIGURE 10 IMPACT OF COVID-19 ON CHILLED BEAM SYSTEM MARKET

3.1 REALISTIC SCENARIO

3.2 PESSIMISTIC SCENARIO

3.3 OPTIMISTIC SCENARIO

FIGURE 11 ACTIVE CHILLED BEAM SYSTEMS EXPECTED TO CAPTURE LARGEST MARKET SHARE BY 2025

FIGURE 12 NEW CONSTRUCTION SEGMENT EXPECTED TO CAPTURE LARGER MARKET SHARE BY 2025

FIGURE 13 COMMERCIAL OFFICES SEGMENT TO DOMINATE CHILLED BEAM SYSTEM MARKET, IN TERMS OF SIZE, DURING FORECAST PERIOD

FIGURE 14 EUROPE TO HOLD LARGEST SHARE OF CHILLED BEAM SYSTEM MARKET BY 2025

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE MARKET OPPORTUNITIES IN GLOBAL CHILLED BEAM SYSTEM MARKET

FIGURE 15 INCREASING NEED FOR ENERGY SAVINGS TO DRIVE GROWTH OF CHILLED BEAM SYSTEM MARKET, 2020–2025

4.2 CHILLED BEAM SYSTEM MARKET, BY DESIGN

FIGURE 16 MULTI-SERVICE CHILLED BEAM SYSTEM MARKET TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

4.3 CHILLED BEAM SYSTEM MARKET, BY BUSINESS

FIGURE 17 CHILLED BEAM SYSTEMS FOR NEW CONSTRUCTION BUSINESS TO ACCOUNT FOR LARGER SHARE BY 2025

4.4 CHILLED BEAM SYSTEM MARKET, BY APPLICATION

FIGURE 18 CHILLED BEAM SYSTEM MARKET FOR HOTELS IS EXPECTED TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

4.5 CHILLED BEAM SYSTEM MARKET, BY GEOGRAPHY

FIGURE 19 SWEDEN HELD LARGEST SHARE OF GLOBAL CHILLED BEAM

SYSTEM MARKET IN 2020

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 EVOLUTION

5.3 MARKET DYNAMICS

FIGURE 20 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES FOR GLOBAL CHILLED BEAM SYSTEM MARKET

5.3.1 DRIVERS

5.3.1.1 Rising need for energy savings

5.3.1.2 Several advantages offered by chilled beam systems over traditional HVAC systems

5.3.2 RESTRAINT

5.3.2.1 Lack of consumer awareness and high initial costs

5.3.3 OPPORTUNITY

5.3.3.1 Expected growth in adoption of chilled beam systems in North America

FIGURE 21 COMMERCIAL SECTOR DELIVERED ENERGY CONSUMPTION, 2010-2050

FIGURE 22 COMMERCIAL FLOOR SPACE GROWTH, 2019-2050

FIGURE 23 US COMMERCIAL ELECTRICITY CONSUMPTION, BY END USE, 2019 & 2050

5.3.4 CHALLENGES

5.3.4.1 Risk of condensation over chilled beam coil

5.3.4.2 Risk of water leaks and lack of filters used in chilled beams

5.4 VALUE CHAIN ANALYSIS

FIGURE 24 CHILLED BEAM SYSTEM MARKET: VALUE CHAIN ANALYSIS

5.5 ECOSYSTEM

FIGURE 25 CHILLED BEAMS: ECOSYSTEM ANALYSIS

5.6 PORTER'S FIVE FORCES MODEL

TABLE 1 IMPACT OF EACH FORCE ON CHILLED BEAM SYSTEM MARKET

5.6.1 THREAT OF NEW ENTRANTS

5.6.2 THREAT OF SUBSTITUTES

5.6.3 BARGAINING POWER OF SUPPLIERS

5.6.4 BARGAINING POWER OF BUYERS

5.6.5 DEGREE OF COMPETITION

5.7 CASE STUDIES

5.7.1 CASE STUDY: 250 S. WACKER – RENOVATION OF INDUCTION SYSTEM WITH ACTIVE CHILLED BEAMS

- 5.7.2 CASE STUDY: MEMORIAL HOSPITAL AND HEALTH CARE CENTER
- 5.7.3 CASE STUDY: MARSTON HALL AT IOWA STATE UNIVERSITY IN AMES
- 5.8 TECHNOLOGY TRENDS
 - 5.8.1 USE OF CONTROL SENSORS TO AVOID FORMATION OF CONDENSATE ON CHILLED BEAM SURFACES
 - 5.8.2 VIRTUAL REALITY PLATFORM
- 5.9 PRICING ANALYSIS
 - TABLE 2 AVERAGE SELLING PRICE RANGE OF CHILLED BEAMS
 - TABLE 3 AVERAGE SELLING PRICE RANGE OF CHILLERS
- 5.10 TRADE ANALYSIS
 - TABLE 4 EXPORT DATA, BY COUNTRY, 2015–2019 (USD MILLION)
 - TABLE 5 IMPORT DATA, BY COUNTRY, 2015–2019 (USD MILLION)
- 5.11 PATENT ANALYSIS
 - 5.11.1 PATENTS PERTAINING TO CHILLED BEAM SYSTEM MARKET
- 5.12 REGULATORY LANDSCAPE

6 CHILLED BEAM SYSTEM MARKET, BY FUNCTION

- 6.1 INTRODUCTION
 - FIGURE 26 GLOBAL CHILLED BEAM SYSTEM MARKET, BY FUNCTION
- 6.2 COOLING
- 6.3 COOLING AND HEATING

7 CHILLED BEAM SYSTEM MARKET, BY BUSINESS

- 7.1 INTRODUCTION
 - FIGURE 27 GLOBAL CHILLED BEAM SYSTEM MARKET, BY BUSINESS
 - TABLE 6 CHILLED BEAM SYSTEM MARKET, BY BUSINESS, 2016–2019 (USD MILLION)
 - TABLE 7 CHILLED BEAM SYSTEM MARKET, BY BUSINESS, 2020–2025 (USD MILLION)
- 7.2 NEW CONSTRUCTIONS
 - 7.2.1 SIGNIFICANT LONG-TERM COST SAVINGS AND HIGH ENERGY EFFICIENCY OFFERED BY CHILLED BEAM SYSTEMS TO DRIVE THEIR DEMAND IN NEW CONSTRUCTIONS
- 7.3 RENOVATIONS
 - 7.3.1 ENERGY SAVING POTENTIAL OF CHILLED BEAM SYSTEMS IS BOOSTING THEIR DEMAND IN RENOVATION BUSINESS

8 CHILLED BEAM SYSTEM MARKET, BY DESIGN

8.1 INTRODUCTION

FIGURE 28 ACTIVE CHILLED BEAM SYSTEMS TO LEAD OVERALL MARKET BY 2025

TABLE 8 CHILLED BEAM SYSTEM MARKET, BY DESIGN, 2016–2019 (USD MILLION)

TABLE 9 CHILLED BEAM SYSTEM MARKET, BY DESIGN, 2020–2025 (USD MILLION)

FIGURE 29 CHILLED BEAM SYSTEM MARKET, BY DESIGN

8.2 ACTIVE CHILLED BEAMS

8.2.1 STRINGENT REGULATIONS REGARDING ENERGY-EFFICIENT BUILDINGS IN US ARE LIKELY TO FUEL DEMAND FOR ACTIVE CHILLED BEAMS

TABLE 10 ACTIVE CHILLED BEAM MARKET, BY REGION, 2016–2019 (USD MILLION)

TABLE 11 ACTIVE CHILLED BEAM MARKET, BY REGION, 2020–2025 (USD MILLION)

TABLE 12 NORTH AMERICAN ACTIVE CHILLED BEAM MARKET, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 13 NORTH AMERICAN ACTIVE CHILLED BEAM MARKET, BY APPLICATION, 2020–2025 (USD MILLION)

TABLE 14 EUROPEAN ACTIVE CHILLED BEAM MARKET, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 15 EUROPEAN ACTIVE CHILLED BEAM MARKET, BY APPLICATION, 2020–2025 (USD MILLION)

TABLE 16 ACTIVE CHILLED BEAM MARKET IN APAC, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 17 ACTIVE CHILLED BEAM MARKET IN APAC, BY APPLICATION, 2020–2025 (USD MILLION)

TABLE 18 ACTIVE CHILLED BEAM MARKET IN ROW, BY APPLICATION, 2016–2019 (USD THOUSAND)

TABLE 19 ACTIVE CHILLED BEAM MARKET IN ROW, BY APPLICATION, 2020–2025 (USD THOUSAND)

8.3 PASSIVE CHILLED BEAMS

8.3.1 PASSIVE CHILLED BEAMS ARE INCREASINGLY BEING PREFERRED IN COMMERCIAL OFFICE SPACES DUE TO THEIR LOW RUNNING COSTS AND ENERGY CONSUMPTION

TABLE 20 PASSIVE CHILLED BEAM MARKET, BY REGION, 2016–2019 (USD MILLION)

TABLE 21 PASSIVE CHILLED BEAM MARKET, BY REGION, 2020–2025 (USD MILLION)

TABLE 22 NORTH AMERICAN PASSIVE CHILLED BEAM MARKET, BY APPLICATION, 2016–2019 (USD THOUSAND)

TABLE 23 NORTH AMERICAN PASSIVE CHILLED BEAM MARKET, BY APPLICATION, 2020–2025 (USD THOUSAND)

TABLE 24 EUROPEAN PASSIVE CHILLED BEAM MARKET, BY APPLICATION, 2016–2019 (USD THOUSAND)

TABLE 25 EUROPEAN PASSIVE CHILLED BEAM MARKET, BY APPLICATION, 2020–2025 (USD THOUSAND)

TABLE 26 PASSIVE CHILLED BEAM MARKET IN APAC, BY APPLICATION, 2016–2019 (USD THOUSAND)

TABLE 27 PASSIVE CHILLED BEAM MARKET IN APAC, BY APPLICATION, 2020–2025 (USD THOUSAND)

TABLE 28 PASSIVE CHILLED BEAM MARKET IN ROW, BY APPLICATION, 2016–2019 (USD THOUSAND)

TABLE 29 PASSIVE CHILLED BEAM MARKET IN ROW, BY APPLICATION, 2020–2025 (USD THOUSAND)

8.4 MULTI-SERVICE CHILLED BEAMS

8.4.1 MULTI-SERVICE CHILLED BEAM MARKET TO GROW AT HIGHEST RATE DURING FORECAST PERIOD

TABLE 30 MULTI-SERVICE CHILLED BEAM MARKET, BY REGION, 2016–2019 (USD MILLION)

TABLE 31 MULTI-SERVICE CHILLED BEAM MARKET, BY REGION, 2020–2025 (USD MILLION)

TABLE 32 NORTH AMERICAN MULTI-SERVICE CHILLED BEAM MARKET, BY APPLICATION, 2016–2019 (USD THOUSAND)

TABLE 33 NORTH AMERICAN MULTI-SERVICE CHILLED BEAM MARKET, BY APPLICATION, 2020–2025 (USD THOUSAND)

TABLE 34 EUROPEAN MULTI-SERVICE CHILLED BEAM MARKET, BY APPLICATION, 2016–2019 (USD THOUSAND)

TABLE 35 EUROPEAN MULTI-SERVICE CHILLED BEAM MARKET, BY APPLICATION, 2020–2025 (USD THOUSAND)

TABLE 36 MULTI-SERVICE CHILLED BEAM MARKET IN APAC, BY APPLICATION, 2016–2019 (USD THOUSAND)

TABLE 37 MULTI-SERVICE CHILLED BEAM MARKET IN APAC, BY APPLICATION, 2020–2025 (USD THOUSAND)

TABLE 38 MULTI-SERVICE CHILLED BEAM MARKET IN ROW, BY APPLICATION, 2016–2019 (USD THOUSAND)

TABLE 39 MULTI-SERVICE CHILLED BEAM MARKET IN ROW, BY APPLICATION, 2020–2025 (USD THOUSAND)

8.5 CHILLED BEAM SYSTEM ADOPTION BY INSTALLATION TYPE

FIGURE 30 CHILLED BEAM SYSTEM ADOPTION, BY INSTALLATION TYPE

8.5.1 EXPOSED CHILLED BEAMS

8.5.2 RECESSED CHILLED BEAMS

9 CHILLED BEAM SYSTEM MARKET, BY APPLICATION

9.1 INTRODUCTION

FIGURE 31 CHILLED BEAM SYSTEM MARKET, BY APPLICATION

FIGURE 32 COMMERCIAL OFFICES TO LEAD CHILLED BEAM SYSTEM MARKET BY 2025

TABLE 40 CHILLED BEAM SYSTEM MARKET, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 41 CHILLED BEAM SYSTEM MARKET, BY APPLICATION, 2020–2025 (USD MILLION)

9.2 COMMERCIAL OFFICES

9.2.1 CHILLED BEAM SYSTEMS ARE BROADLY ADOPTED IN COMMERCIAL OFFICES AS THEY OFFER INCREASED USABLE FLOOR SPACE

TABLE 42 CHILLED BEAM SYSTEM MARKET FOR COMMERCIAL OFFICES, BY DESIGN, 2016–2019 (USD MILLION)

TABLE 43 CHILLED BEAM SYSTEM MARKET FOR COMMERCIAL OFFICES, BY DESIGN, 2020–2025 (USD MILLION)

TABLE 44 CHILLED BEAM SYSTEM MARKET FOR COMMERCIAL OFFICES, BY REGION, 2016–2019 (USD MILLION)

TABLE 45 BEAM SYSTEM MARKET FOR COMMERCIAL OFFICES, BY REGION, 2020–2025 (USD MILLION)

9.3 EDUCATIONAL INSTITUTIONS

9.3.1 CHILLED BEAMS PROVIDE ENVIRONMENT WITH LOW NOISE AND IMPROVED VENTILATION, WHICH IS ESSENTIAL IN CASE OF EDUCATION SETUP

TABLE 46 CHILLED BEAM SYSTEM MARKET FOR EDUCATIONAL INSTITUTIONS, BY DESIGN, 2016–2019 (USD MILLION)

TABLE 47 CHILLED BEAM SYSTEM MARKET FOR EDUCATIONAL INSTITUTIONS, BY DESIGN, 2020–2025 (USD MILLION)

TABLE 48 CHILLED BEAM SYSTEM MARKET FOR EDUCATIONAL INSTITUTIONS, BY REGION, 2016–2019 (USD THOUSAND)

TABLE 49 CHILLED BEAM SYSTEM MARKET FOR EDUCATIONAL INSTITUTIONS, BY REGION, 2020–2025 (USD THOUSAND)

9.4 HEALTHCARE FACILITIES

9.4.1 CHILLED BEAMS' ENERGY-SAVING POTENTIAL, EASE OF USE, LOW MAINTENANCE, AND MINIMAL SPACE REQUIREMENTS DRIVE THEIR DEMAND IN HEALTHCARE FACILITIES

TABLE 50 CHILLED BEAM SYSTEM MARKET FOR HEALTHCARE FACILITIES, BY DESIGN, 2016–2019 (USD MILLION)

TABLE 51 CHILLED BEAM SYSTEM MARKET FOR HEALTHCARE FACILITIES, BY DESIGN, 2020–2025 (USD MILLION)

TABLE 52 CHILLED BEAM SYSTEM MARKET FOR HEALTHCARE FACILITIES, BY REGION, 2016–2019 (USD MILLION)

TABLE 53 CHILLED BEAM SYSTEM MARKET FOR HEALTHCARE FACILITIES, BY REGION, 2020–2025 (USD MILLION)

9.5 HOTELS

9.5.1 CHILLED BEAM SYSTEMS ARE GAINING POPULARITY IN HOTELS PRIMARILY FOR THEIR LOW SOUND AND MAINTENANCE

TABLE 54 CHILLED BEAM SYSTEM MARKET FOR HOTELS, BY DESIGN, 2016–2019 (USD MILLION)

TABLE 55 CHILLED BEAM SYSTEM MARKET FOR HOTELS, BY DESIGN, 2020–2025 (USD MILLION)

TABLE 56 CHILLED BEAM SYSTEM MARKET FOR HOTELS, BY REGION, 2016–2019 (USD MILLION)

TABLE 57 CHILLED BEAM SYSTEM MARKET FOR HOTELS, BY REGION, 2020–2025 (USD MILLION)

9.6 OTHERS

TABLE 58 CHILLED BEAM SYSTEM MARKET FOR OTHER APPLICATIONS, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 59 CHILLED BEAM SYSTEM MARKET FOR OTHER APPLICATIONS, BY DESIGN, 2020–2025 (USD THOUSAND)

TABLE 60 CHILLED BEAM SYSTEM MARKET FOR OTHER APPLICATIONS, BY REGION, 2016–2019 (USD THOUSAND)

TABLE 61 CHILLED BEAM SYSTEM MARKET FOR OTHER APPLICATIONS, BY REGION, 2020–2025 (USD THOUSAND)

10 GEOGRAPHIC ANALYSIS

10.1 INTRODUCTION

FIGURE 33 CHILLED BEAM SYSTEM MARKET, BY REGION

FIGURE 34 CANADA IS EXPECTED TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 35 ACTIVE CHILLED BEAM SYSTEMS MARKET IN EUROPE TO LEAD OVERALL MARKET BY 2025

TABLE 62 CHILLED BEAM SYSTEM MARKET, BY REGION, 2016–2019 (USD MILLION)

TABLE 63 CHILLED BEAM SYSTEM MARKET, BY REGION, 2020–2025 (USD MILLION)

10.2 NORTH AMERICA

FIGURE 36 SNAPSHOT: CHILLED BEAM SYSTEM MARKET IN NORTH AMERICA

TABLE 64 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET, BY DESIGN, 2016–2019 (USD MILLION)

TABLE 65 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET, BY DESIGN, 2020–2025 (USD MILLION)

FIGURE 37 EDUCATIONAL INSTITUTIONS TO HOLD LARGEST SIZE OF CHILLED BEAM SYSTEM MARKET IN NORTH AMERICA BY 2025

TABLE 66 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 67 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET, BY APPLICATION, 2020–2025 (USD MILLION)

TABLE 68 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET FOR COMMERCIAL OFFICES, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 69 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET FOR COMMERCIAL OFFICES, BY DESIGN, 2020–2025 (USD THOUSAND)

TABLE 70 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET FOR EDUCATIONAL INSTITUTIONS, BY DESIGN, 2016–2019 (USD MILLION)

TABLE 71 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET FOR EDUCATIONAL INSTITUTIONS, BY DESIGN, 2020–2025 (USD MILLION)

TABLE 72 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET FOR HEALTHCARE FACILITIES, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 73 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET FOR HEALTHCARE FACILITIES, BY DESIGN, 2020–2025 (USD THOUSAND)

TABLE 74 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET FOR HOTELS, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 75 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET FOR HOTELS, BY DESIGN, 2020–2025 (USD THOUSAND)

TABLE 76 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET FOR OTHER APPLICATIONS, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 77 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET FOR OTHER APPLICATIONS, BY DESIGN, 2020–2025 (USD THOUSAND)

TABLE 78 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET, BY COUNTRY,

2016–2019 (USD MILLION)

TABLE 79 NORTH AMERICAN CHILLED BEAM SYSTEM MARKET, BY COUNTRY, 2020–2025 (USD MILLION)

10.2.1 US

10.2.1.1 Chilled beams are becoming popular as unique cost- and-energy-saving alternative to traditional air conditioning

10.2.2 CANADA

10.2.2.1 Market to grow at highest CAGR in North America

10.2.3 MEXICO

10.2.3.1 Growth in construction industry and increasing number of luxury offices to drive market

10.3 EUROPE

FIGURE 38 SNAPSHOT: CHILLED BEAM SYSTEM MARKET IN EUROPE

TABLE 80 EUROPEAN CHILLED BEAM SYSTEM MARKET, BY DESIGN, 2016–2019 (USD MILLION)

TABLE 81 EUROPEAN CHILLED BEAM SYSTEM MARKET, BY DESIGN, 2020–2025 (USD MILLION)

FIGURE 39 COMMERCIAL OFFICES TO HOLD LARGEST SIZE OF CHILLED BEAM SYSTEM MARKET IN EUROPE BY 2025

TABLE 82 EUROPEAN CHILLED BEAM SYSTEM MARKET, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 83 EUROPEAN CHILLED BEAM SYSTEM MARKET, BY APPLICATION, 2020–2025 (USD MILLION)

TABLE 84 EUROPEAN CHILLED BEAM SYSTEM MARKET FOR COMMERCIAL OFFICES, BY DESIGN, 2016–2019 (USD MILLION)

TABLE 85 EUROPEAN CHILLED BEAM SYSTEM MARKET FOR COMMERCIAL OFFICES, BY DESIGN, 2020–2025 (USD MILLION)

TABLE 86 EUROPEAN CHILLED BEAM SYSTEM MARKET FOR EDUCATIONAL INSTITUTIONS, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 87 EUROPEAN CHILLED BEAM SYSTEM MARKET FOR EDUCATIONAL INSTITUTIONS, BY DESIGN, 2020–2025 (USD THOUSAND)

TABLE 88 EUROPEAN CHILLED BEAM SYSTEM MARKET FOR HEALTHCARE FACILITIES, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 89 EUROPEAN CHILLED BEAM SYSTEM MARKET FOR HEALTHCARE FACILITIES, BY DESIGN, 2020–2025 (USD THOUSAND)

TABLE 90 EUROPEAN CHILLED BEAM SYSTEM MARKET FOR HOTELS, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 91 EUROPEAN CHILLED BEAM SYSTEM MARKET FOR HOTELS, BY

DESIGN, 2020–2025 (USD THOUSAND)

TABLE 92 EUROPEAN CHILLED BEAM SYSTEM MARKET FOR OTHER APPLICATIONS, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 93 EUROPEAN CHILLED BEAM SYSTEM MARKET FOR OTHER APPLICATIONS, BY DESIGN, 2020–2025 (USD THOUSAND)

TABLE 94 EUROPEAN CHILLED BEAM SYSTEM MARKET, BY COUNTRY, 2016–2019 (USD MILLION)

TABLE 95 EUROPEAN CHILLED BEAM SYSTEM MARKET, BY COUNTRY, 2020–2025 (USD MILLION)

10.3.1 SWEDEN

10.3.1.1 Market to grow at highest rate in Europe

10.3.2 GERMANY

10.3.2.1 Cool and dry climate favorable for market growth

10.3.3 UK

10.3.3.1 Stringent building laws to propel market growth

10.3.4 FRANCE

10.3.4.1 Growth in commercial offices sector to drive market for chilled beam systems

10.3.5 NORWAY

10.3.5.1 Stringent building energy performance standards to drive market

10.3.6 REST OF EUROPE

10.4 ASIA PACIFIC

FIGURE 40 SNAPSHOT: CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC

TABLE 96 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC, BY DESIGN, 2016–2019 (USD MILLION)

TABLE 97 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC, BY DESIGN, 2020–2025 (USD MILLION)

FIGURE 41 MARKET FOR HOTELS TO GROW AT HIGHEST RATE IN APAC FROM 2020 TO 2025

TABLE 98 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 99 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC, BY APPLICATION, 2020–2025 (USD MILLION)

TABLE 100 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC FOR COMMERCIAL OFFICES, BY DESIGN, 2016–2019 (USD MILLION)

TABLE 101 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC FOR COMMERCIAL OFFICES, BY DESIGN, 2020–2025 (USD MILLION)

TABLE 102 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC FOR EDUCATIONAL INSTITUTIONS, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 103 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC FOR EDUCATIONAL INSTITUTIONS, BY DESIGN, 2020–2025 (USD THOUSAND)

TABLE 104 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC FOR HEALTHCARE FACILITIES, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 105 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC FOR HEALTHCARE FACILITIES, BY DESIGN, 2020–2025 (USD THOUSAND)

TABLE 106 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC FOR HOTELS, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 107 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC FOR HOTELS, BY DESIGN, 2020–2025 (USD THOUSAND)

TABLE 108 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC FOR OTHER APPLICATIONS, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 109 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC FOR OTHER APPLICATIONS, BY DESIGN, 2020–2025 (USD THOUSAND)

TABLE 110 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC, BY COUNTRY, 2016–2019 (USD MILLION)

TABLE 111 CHILLED BEAM SYSTEM MARKET IN ASIA PACIFIC, BY COUNTRY, 2020–2025 (USD MILLION)

10.4.1 JAPAN

10.4.1.1 Replacement of traditional air condition and ventilation systems to reduce energy consumption is expected to create demand

10.4.2 AUSTRALIA

10.4.2.1 Chilled beam system market in Australia to dominate market in APAC during forecast period

10.4.3 INDIA

10.4.3.1 Booming construction industry, emerging smart building criteria, and growing consumer concerns toward energy savings to drive market

10.4.4 CHINA

10.4.4.1 Green construction initiatives to boost market growth

10.4.5 REST OF ASIA PACIFIC

10.5 REST OF THE WORLD (ROW)

FIGURE 42 ACTIVE CHILLED BEAMS TO HOLD LARGEST SIZE OF MARKET IN ROW BY 2025

TABLE 112 CHILLED BEAM SYSTEM MARKET IN ROW, BY DESIGN, 2016–2019 (USD THOUSAND)

TABLE 113 CHILLED BEAM SYSTEM MARKET IN ROW, BY DESIGN, 2020–2025 (USD THOUSAND)

TABLE 114 CHILLED BEAM SYSTEM MARKET IN ROW, BY APPLICATION, 2016–2019 (USD THOUSAND)

TABLE 115 CHILLED BEAM SYSTEM MARKET IN ROW, BY APPLICATION, 2020–2025 (USD THOUSAND)

TABLE 116 CHILLED BEAM SYSTEM MARKET IN ROW, BY REGION, 2016–2019 (USD MILLION)

TABLE 117 CHILLED BEAM SYSTEM MARKET IN ROW, BY REGION, 2020–2025 (USD MILLION)

10.5.1 MIDDLE EAST & AFRICA

10.5.1.1 Increasing focus on energy-efficient HVAC systems to drive market

10.5.2 SOUTH AMERICA

10.5.2.1 Development in commercial sector to contribute to market growth

11 COMPETITIVE LANDSCAPE

11.1 INTRODUCTION

11.2 TOP 5 COMPANY REVENUE ANALYSIS

FIGURE 43 CHILLED BEAM SYSTEM MARKET: REVENUE ANALYSIS (2019)

11.3 MARKET SHARE ANALYSIS, 2019

TABLE 118 CHILLED BEAM SYSTEM MARKET: MARKET SHARE ANALYSIS (2019)

11.4 COMPANY EVALUATION MATRIX

11.4.1 STAR

11.4.2 PERVASIVE

11.4.3 EMERGING LEADER

11.4.4 PARTICIPANT

FIGURE 44 CHILLED BEAM SYSTEM MARKET COMPANY EVALUATION MATRIX, 2019

11.5 SMALL AND MEDIUM ENTERPRISES (SME) EVALUATION QUADRANT, 2019

11.5.1 PROGRESSIVE COMPANIES

11.5.2 RESPONSIVE COMPANIES

11.5.3 DYNAMIC COMPANIES

11.5.4 STARTING BLOCKS

FIGURE 45 CHILLED BEAM SYSTEM MARKET, SME EVALUATION QUADRANT, 2019

11.6 CHILLED BEAM SYSTEM MARKET: PRODUCT FOOTPRINT

TABLE 119 PRODUCT FOOTPRINT OF COMPANIES

TABLE 120 APPLICATION FOOTPRINT OF COMPANIES

TABLE 121 REGIONAL FOOTPRINT OF COMPANIES

11.7 COMPETITIVE SITUATIONS AND TRENDS

TABLE 122 CHILLED BEAM SYSTEM MARKET: PRODUCT LAUNCHES

TABLE 123 CHILLED BEAM SYSTEM MARKET: DEALS

TABLE 124 CHILLED BEAM SYSTEM MARKET: OTHER RECENT DEVELOPMENTS**12 COMPANY PROFILES**

(Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*

12.1 KEY PLAYERS**12.1.1 HALTON GROUP****TABLE 125 HALTON GROUP: BUSINESS OVERVIEW****12.1.2 LINDAB****FIGURE 46 LINDAB: COMPANY SNAPSHOT****12.1.3 SWEGON GROUP AB****TABLE 126 SWEGON GROUP AB: BUSINESS OVERVIEW****12.1.4 CLIMATE TECHNOLOGIES****TABLE 127 CLIMATE TECHNOLOGIES: BUSINESS OVERVIEW****12.1.5 FL?KTGROUP HOLDING GMBH****TABLE 128 FL?KTGROUP HOLDING GMBH: BUSINESS OVERVIEW****12.1.6 FTF GROUP (FRENGER SYSTEMS)****TABLE 129 FTF GROUP: BUSINESS OVERVIEW****12.1.7 PRICE INDUSTRIES****TABLE 130 PRICE INDUSTRIES: BUSINESS OVERVIEW****12.1.8 SYSTEMAIR AB****FIGURE 47 SYSTEMAIR AB: COMPANY SNAPSHOT****12.1.9 TROX GMBH****TABLE 131 TROX GMBH BUSINESS OVERVIEW****12.1.10 JOHNSON CONTROLS INTERNATIONAL PLC****FIGURE 48 JOHNSON CONTROLS INTERNATIONAL PLC: COMPANY SNAPSHOT****12.2 OTHER PLAYERS****12.2.1 TITUS****12.2.2 KRANTZ LIMITED****12.2.3 KIEFER KLIMATECHNIK GMBH****12.2.4 BARCOL-AIR GROUP AG****12.2.5 EB AIR CONTROL INC.****12.2.6 TWA PANEL SYSTEMS, INC.****12.2.7 CARRIER****12.2.8 AIRFIXTURE, LLC****12.2.9 AIRVENT****12.2.10 NUCLIMATE AIR QUALITY SYSTEMS, INC.**

12.2.11 MADEL AIR TECHNICAL DIFFUSION

12.2.12 GRADA INTERNATIONAL INC.

12.2.13 SOLID AIR INTERNATIONAL

12.2.14 ROCCHEGGIANI SPA

12.2.15 CAVERION CORPORATION

*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

13 ADJACENT & RELATED REPORTS

13.1 INTRODUCTION

13.2 HVAC SYSTEM MARKET, BY COOLING EQUIPMENT

TABLE 132 HVAC SYSTEM MARKET, BY COOLING EQUIPMENT, 2017–2025 (USD BILLION)

TABLE 133 HVAC SYSTEM MARKET FOR COOLING EQUIPMENT, BY APPLICATION, 2017–2025 (USD BILLION)

TABLE 134 HVAC SYSTEM MARKET FOR COOLING EQUIPMENT, BY REGION, 2017–2025 (USD BILLION)

13.2.1 UNITARY AIR CONDITIONERS

TABLE 135 COOLING EQUIPMENT MARKET FOR UNITARY AIR CONDITIONERS, BY APPLICATION, 2017–2025 (USD BILLION)

TABLE 136 COOLING EQUIPMENT MARKET FOR UNITARY AIR CONDITIONERS, BY REGION, 2017–2025 (USD BILLION)

13.2.2 VRF SYSTEMS

TABLE 137 COOLING EQUIPMENT MARKET FOR VRF SYSTEMS, BY APPLICATION, 2017–2025 (USD BILLION)

TABLE 138 COOLING EQUIPMENT MARKET FOR VRF SYSTEMS, BY REGION, 2017–2025 (USD BILLION)

13.2.3 CHILLERS

TABLE 139 COOLING EQUIPMENT MARKET FOR CHILLERS, BY APPLICATION, 2017–2025 (USD BILLION)

TABLE 140 COOLING EQUIPMENT MARKET FOR CHILLERS, BY REGION, 2017–2025 (USD BILLION)

13.2.4 ROOM AIR CONDITIONERS

TABLE 141 COOLING EQUIPMENT MARKET FOR ROOM AIR CONDITIONERS, BY APPLICATION, 2017–2025 (USD BILLION)

TABLE 142 COOLING EQUIPMENT MARKET FOR ROOM AIR CONDITIONERS, BY REGION, 2017–2025 (USD MILLION)

13.2.5 COOLERS

TABLE 143 COOLING EQUIPMENT MARKET FOR COOLERS, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 144 COOLING EQUIPMENT MARKET FOR COOLERS, BY REGION, 2017–2025 (USD MILLION)

13.2.6 COOLING TOWERS

TABLE 145 COOLING EQUIPMENT MARKET FOR COOLING TOWERS, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 146 COOLING EQUIPMENT MARKET FOR COOLING TOWERS, BY REGION, 2017–2025 (USD MILLION)

14 APPENDIX

14.1 INSIGHTS OF INDUSTRY EXPERTS

14.2 DISCUSSION GUIDE

14.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

14.4 AVAILABLE CUSTOMIZATIONS

14.5 RELATED REPORTS

14.6 AUTHOR DETAILS

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