

# Global Hybrid Cooling Towers Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G4DDB9540E9EN.html>

Date: July 2024

Pages: 95

Price: US\$ 3,480.00 (Single User License)

ID: G4DDB9540E9EN

## Abstracts

According to our (Global Info Research) latest study, the global Hybrid Cooling Towers market size was valued at USD 989.9 million in 2023 and is forecast to a readjusted size of USD 1246.7 million by 2030 with a CAGR of 3.3% during review period.

Cooling towers are devices that help in heat transfer and rejection into the atmosphere. The process involves the cooling of a water stream via evaporation. A small portion of the water that is being cooled gets evaporated and flows along with the air stream, which enables the process water to be cooled significantly. Hybrid cooling towers effectively radiate heat from the process equipment in major industries, such as the power generation industry, and emit it into the surrounding atmosphere. Unlike traditional cooling towers, hybrid ones take care of the visible plume and arrest it before rejecting it from the towers.

One driver in the market is intelligent hybrid cooling technology. The temperature of the water that is heated in process industries, power utilities, HVAC/R, data centers, and several other industries having high-heat applications is reduced by open cooling towers. The warm water is poured on the fill within the cooling towers, which provides a large surface area for the process of heat removal via evaporation. The process is known as a wet process. Thus, a constant supply of water is required to replace the evaporated water from the cooling tower. However, in several regions, continuing droughts and escalating competition for this vital resource restrict water availability.

The Global Info Research report includes an overview of the development of the Hybrid Cooling Towers industry chain, the market status of Power Generation (Direct Contact, Closed Circuit), Oil and Gas (Direct Contact, Closed Circuit), and key enterprises in

developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Hybrid Cooling Towers.

Regionally, the report analyzes the Hybrid Cooling Towers markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Hybrid Cooling Towers market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Hybrid Cooling Towers market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Hybrid Cooling Towers industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Direct Contact, Closed Circuit).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Hybrid Cooling Towers market.

**Regional Analysis:** The report involves examining the Hybrid Cooling Towers market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Hybrid Cooling Towers market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Hybrid Cooling Towers:

**Company Analysis:** Report covers individual Hybrid Cooling Towers manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Hybrid Cooling Towers. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Power Generation, Oil and Gas).

**Technology Analysis:** Report covers specific technologies relevant to Hybrid Cooling Towers. It assesses the current state, advancements, and potential future developments in Hybrid Cooling Towers areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Hybrid Cooling Towers market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Hybrid Cooling Towers market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Direct Contact

Closed Circuit

### Market segment by Application

Power Generation

Oil and Gas

Food and Beverage

HVAC

Chemical and Petrochemical

Others

#### Major players covered

Babcock & Wilcox Enterprises

ENEXIO MANAGEMENT

EVAPCO

Johnson Controls

SPX

#### Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Hybrid Cooling Towers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Hybrid Cooling Towers, with price, sales, revenue and global market share of Hybrid Cooling Towers from 2019 to 2024.

Chapter 3, the Hybrid Cooling Towers competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Hybrid Cooling Towers breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Hybrid Cooling Towers market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Hybrid Cooling Towers.

Chapter 14 and 15, to describe Hybrid Cooling Towers sales channel, distributors, customers, research findings and conclusion.

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