

Global Zero-Energy Cooling Technology Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Zero-Energy Cooling Technology market size was valued at US\$ 35.25 million in 2025 and is forecast to a readjusted size of US\$ 98 million by 2032 with a CAGR of 11.3% during review period.

Zero-Energy Cooling Technology refers to cooling methods that minimize or eliminate the need for conventional electricity-driven refrigeration by using passive heat transfer, natural ventilation, radiative cooling, evaporative cooling, phase-change materials, geothermal exchange, or other energy-saving mechanisms. It is mainly used in buildings, data centers, cold-chain storage, electronics, and industrial facilities to reduce power consumption, carbon emissions, and operating costs while improving thermal comfort and equipment reliability.

Zero-Energy Cooling Technology market is growing as governments, building owners, data center operators, and industrial users seek low-carbon and energy-efficient cooling solutions. Demand is mainly driven by rising electricity costs, stricter energy-efficiency regulations, urban heat-island effects, and the rapid growth of heat-intensive infrastructure such as AI data centers and electronics. In the future, passive cooling materials, radiative cooling coatings, phase-change thermal storage, and hybrid low-energy cooling systems are expected to see wider adoption across green buildings, cold-chain logistics, and industrial cooling applications.

This report is a detailed and comprehensive analysis for global Zero-Energy Cooling Technology market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as

key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Zero-Energy Cooling Technology market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Zero-Energy Cooling Technology market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Zero-Energy Cooling Technology market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Zero-Energy Cooling Technology market shares of main players, in revenue (\$ Million), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Zero-Energy Cooling Technology

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Zero-Energy Cooling Technology market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Innofocus, Heat Inverse, Parasol Innovations, SolarMantle, SPACECOOL, Cryo X Co, Coldrays, i2Cool, Moguang Xinneng Technology, Ningbo Radi-Cool Advanced Energy Technologies, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Zero-Energy Cooling Technology market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Fiber-Based Film

Coating Film

Others

Market segment by Physics

Passive Radiative Cooling

Phase Change Material Cooling

Others

Market segment by Application

Architecture

Consumer Electronics

AI Servers / Data Centers

Others

Market segment by players, this report covers

Innofocus

Heat Inverse

Parasol Innovations

SolarMantle

SPACECOOL

Cryo X Co

Coldrays

i2Cool

Moguang Xinneng Technology

Ningbo Radi-Cool Advanced Energy Technologies

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Zero-Energy Cooling Technology product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Zero-Energy Cooling Technology, with

revenue, gross margin, and global market share of Zero-Energy Cooling Technology from 2021 to 2026.

Chapter 3, the Zero-Energy Cooling Technology competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Zero-Energy Cooling Technology market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Zero-Energy Cooling Technology.

Chapter 13, to describe Zero-Energy Cooling Technology research findings and conclusion.

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