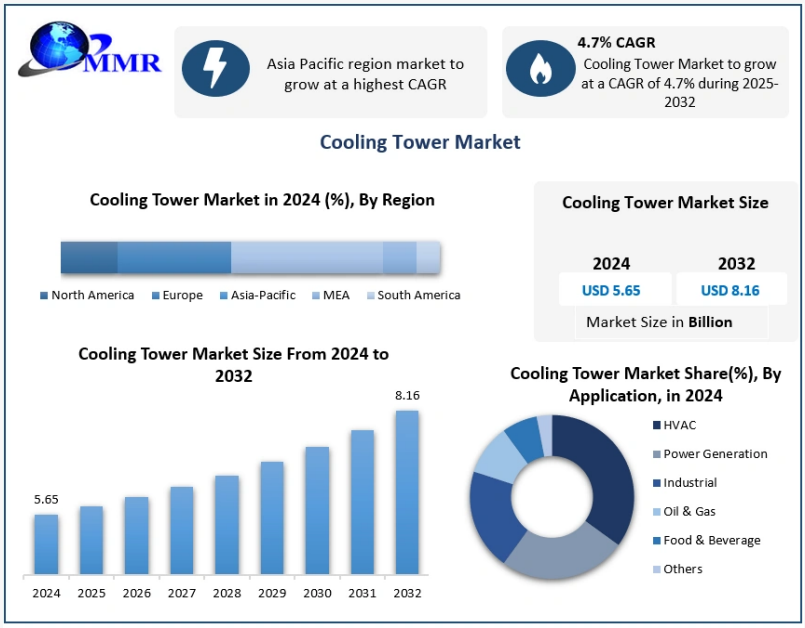
Cooling Tower Market Share and Size Surpass USD 5.65 Billion in 2024: Growth Trends, Forecast & Industry Demand Insights

Cooling tower market grows with rising industrial demand and focus on efficient heat management, driven by energy-saving and environmental needs.



Cooling Tower Market

WILMINGTON, DE, UNITED STATES, November 21, 2025 / EINPresswire.com/ -- Global Cooling Tower Market, valued at USD 5.65 billion in 2024, is poised for steady expansion, projected to grow at a CAGR of 4.7% from 2025 to 2032, ultimately reaching USD 8.16 billion by 2032.

Global Cooling Tower Market Overview 2025–2032: Unveiling Smart, Energy-Efficient, and Sustainable Industrial Cooling Trends

Global Cooling Tower Market Report 2025 provides an in-depth analysis of market trends, size, and forecasts through 2032. The industry is witnessing rapid growth driven by rising demand for smart, energy-efficient, and sustainable cooling solutions. Increasing adoption of hybrid and dry cooling systems, IoT-enabled monitoring, and corrosion-resistant FRP and HDPE materials is transforming the market landscape. Expansion in HVAC, power generation, oil & gas, and industrial sectors, along with eco-friendly innovations and regulatory compliance, continues to shape the future of the global Cooling Tower Market. Next-generation automation, sustainable technologies, and regional growth in Asia-Pacific and Europe are key factors fueling market

> Maximize Market Research reports booming global Cooling Tower Market innovations, smart IoT systems, and sustainable solutions reshaping HVAC and industrial sectors worldwide!”
>
> *Dharti Raut*

expansion worldwide.

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Global Cooling Tower Market Segments Covered	
By Type	Evaporate Dry Hybrid
By Technology	Open-circuit Closed-circuit Hybrid
By Material	Fiber-Reinforced Plastic (FRP) Steel Concrete Wood
By Application	High-Density Polyethylene (HDPE) HVAC Power Generation Oil & Gas Industrial Food & Beverage Others
By Region	**North America** (**United States**, Canada and Mexico) **Europe** (UK, France, Germany, Italy, Spain, Sweden, Austria, Turkey, Russi and Rest of Europe) **Asia Pacific** (**China**, India, Japan, South Korea, Australia, ASEAN (Indonesia Malaysia, Myanmar, Philippines, Singapore, Thailand, Viet Nam etc.) and of APAC) **Middle East and Africa** (South Africa, GCC, Egypt, Nigeria and Rest of ME **South America** (Brazil, Argentina, Colombia and Rest of South America)

What's Driving the Rise of the Global Cooling Tower Market? Explore How Smart, Sustainable, and Energy-Efficient Technologies Are Shaping 2032

Global Cooling Tower Market is growing rapidly as industries adopt smart IoT-enabled systems, energy-efficient hybrid and dry cooling towers, and eco-friendly materials like FRP and HDPE. Expansion across HVAC, power generation, oil & gas, and industrial sectors, along with sustainable innovations and regulatory compliance, is transforming the market landscape and driving next-generation growth worldwide.

Key Growth Drivers Powering the Global Cooling Tower Market: Emerging Trends, Rising Demand & Next-Gen Innovation

Cooling Tower Market is accelerating as industries embrace energy-efficient cooling solutions, hybrid cooling towers, water-saving technologies, and smart IoT-enabled systems. Rapid industrialization across Asia-Pacific, combined with rising demand in HVAC, power generation, and manufacturing, is reshaping global market size, share, trends, demand, and forecast, fueling strong growth momentum and next-generation cooling innovation.

Rising Costs, Water Scarcity & Compliance Challenges Disrupting Global Growth Trends

Cooling Tower Market faces notable challenges as high installation and maintenance costs, corrosion-related durability issues, and increasing water scarcity restrictions impact adoption rates. Stricter environmental regulations and complex compliance requirements continue to add operational pressure, influencing global market trends, demand shifts, competitive analysis, and long-term forecast stability.

Unleashing Next-Gen Growth Through Smart Automation, Sustainable Technologies & Global Demand Expansion

Cooling Tower Market is entering a high-growth phase as smart automated cooling towers,

sustainable cooling technologies, and a booming replacement and retrofit cycle unlock powerful new opportunities. Rapid data center expansion, renewable energy growth, and global power-generation upgrades are accelerating demand for high-efficiency, eco-friendly, next-gen cooling systems, boosting market size, forecast value, competitive advantage, and long-term industry expansion.

Cooling Tower Market Segmentation: Exploring Smart, Energy-Efficient & Hybrid Cooling Technologies

Global Cooling Tower Market segmentation showcases a fast-evolving landscape driven by surging demand for energy-efficient cooling tower systems, smart hybrid cooling towers, and closed-circuit cooling technologies. With rising adoption across HVAC, power generation, oil & gas, and industrial applications, the market is accelerating toward sustainable growth. Increasing preference for FRP cooling towers, water-saving hybrid cooling solutions, and corrosion-resistant cooling materials is unlocking high-value opportunities, positioning the industry for rapid global expansion.

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Top Cooling Tower Market Trends 2025–2032: Smart, Energy-Efficient & Sustainable Solutions Shaping Industries”

Surge in Sustainable and Water-Efficient Cooling Solutions: Growing environmental concerns and global water scarcity are accelerating demand for hybrid and dry cooling towers and water-saving industrial cooling systems. These eco-friendly cooling solutions minimize visible steam plumes while ensuring compliance with stringent government regulations, making them crucial for HVAC, power generation, oil & gas, and industrial applications worldwide.

Smart and IoT-Enabled Cooling Tower Technologies: Adoption of digital cooling tower systems, IoT-based monitoring, and automation solutions is transforming operational efficiency. Real-time tracking of energy consumption, water quality, and temperature enables predictive maintenance and up to 30% energy savings, establishing smart cooling towers as the next-generation choice for high-performance industrial cooling solutions.

Advanced and Eco-Friendly Materials Driving Durability: A shift toward corrosion-resistant FRP and HDPE cooling towers is enhancing longevity while reducing maintenance costs. Regulatory changes phasing out legacy materials create opportunities for sustainable, high-performance cooling tower systems, supporting growing demand across industrial, commercial, and power generation sectors globally.

2025 Global Cooling Tower Innovations: B&W, BAC & Cenk Driving Smart, Water-Saving, and High-Efficiency Cooling Technologies

In August 2024, B&W SPIG (Babcock & Wilcox) secured an $8 million contract to deliver a high efficiency, dry SPIG air cooled condenser for a U.K. renewable energy facility, a bold move in sustainable, water free cooling.

On June 27, 2025, Baltimore Aircoil Company (BAC) launched its groundbreaking AI driven Loop platform, enabling real time monitoring, predictive maintenance, and up to 30% energy savings in smart cooling tower systems.

Cenk Industrial Plants Manufacturing & Contracting, via its affiliate Niba, continues to scale its GRP (glass reinforced polyester) cooling towers, reinforcing its leadership in durable, corrosion resistant industrial cooling solutions poised to drive the high-performance cooling tower

Asia Pacific and Europe Lead the Way in Smart, Sustainable, and High-Efficiency Cooling Solutions

Asia Pacific dominates the Global Cooling Tower Market in 2024, driven by rapid industrialization, expanding power generation projects, and over 140 nuclear reactors. Booming HVAC, manufacturing, chemical, and industrial cooling installations are fueling demand for high-efficiency, sustainable, and smart cooling tower solutions, positioning the region as the fastest-growing market through 2032.

European Global Cooling Tower Market growth is propelled by stringent environmental regulations, energy-efficiency mandates, and modernization of aging industrial infrastructure. Rising heavy industries and the shift toward eco-friendly, smart, and high-performance cooling towers are unlocking lucrative opportunities for industrial cooling tower manufacturers and service providers, establishing Europe as a hub for technologically advanced and sustainable cooling solutions.

Cooling Tower Market, Key Players:

B&W SPIG (Babcock & Wilcox)
Baltimore Aircoil Company (BAC)
Cenk Industrial Plants Manufacturing and Contracting
Cooling Towers Systems; Inc.
Delta Cooling Towers
Engie Refrigeration GmbH
Hamon & CIE SA
Johnson Controls Inc
Mesan Cooling Towers Ltd
Bell Cooling Tower
Brentwood Industries Inc.

Enexio
Hamon & Cie International SA
Paharpur Cooling Towers
SPIG S.p.A
Star Cooling Towers Private Ltd
EVAPCO Inc.
SPX Cooling Technologies, Inc.
Thermax Limited
Mitsubishi Heavy Industries, Ltd.
Kelvion Holding GmbH
Reymsa Cooling Towers, Inc.
Tashin Industry Co., Ltd.
Composite Cooling Solutions, L.P. (CCS)
Whaley Products, Inc.
Advance Cooling Towers Pvt. Ltd.
SPX Thermal Product Solutions
Superchill Cooling Towers Pvt. Ltd.
Torrex Cooling Tower
Aeron Cooling Towers Pvt. Ltd.
Laxmi Engineering
Ceramica Cleia
Marley Cooling Technologies
Delta T Systems, Inc.
Pinnacle Industries Ltd.
Towertech Cooling System Pvt. Ltd.

Strategic Growth Drivers and Technological Advancements Shaping the Global Cooling Tower Market | Forecast 2025–2032
• 2024: Rising Industrialization in Asia-Pacific: Rapid expansion in HVAC, manufacturing, and chemical sectors is fueling demand for high-efficiency cooling towers.
• Smart and IoT-Enabled Systems: Integration of IoT, AI-driven monitoring, and automation is enhancing operational efficiency, predictive maintenance, and energy savings up to 30%.
• Sustainability Shift: Adoption of eco-friendly, water-saving hybrid and dry cooling solutions is reshaping industrial cooling strategies and regulatory compliance.
• Advanced Materials: Use of corrosion-resistant FRP and HDPE towers is improving longevity, reducing maintenance costs, and supporting high-performance industrial applications.
• Next-Generation Innovation: Smart, energy-efficient, and sustainable cooling tower solutions are driving modernization across power generation, oil & gas, and industrial sectors globally.

FAQs:

What is the current size of the Global Cooling Tower Market?
Ans: Global Cooling Tower Market was valued at USD 5.65 billion in 2024 and is projected to

reach USD 8.16 billion by 2032 with a CAGR of 4.7%.

What are the key growth drivers for the Cooling Tower Market?
Ans: Growth is driven by energy-efficient cooling solutions, hybrid and smart IoT-enabled cooling towers, water-saving technologies, and rapid industrialization, particularly in Asia-Pacific.

Which regions dominate the Cooling Tower Market?
Ans: Asia Pacific leads due to industrial expansion and nuclear projects, while Europe is growing through stringent environmental regulations and adoption of eco-friendly, high-performance cooling towers.

Who are the major players in the Cooling Tower Market?
Ans: Key players include B&W SPIG (Babcock & Wilcox), Baltimore Aircoil Company (BAC), Cenk Industrial Plants, Delta Cooling Towers, EVAPCO Inc., SPX Cooling Technologies, and several others.

What are the latest technological trends in cooling towers?
Ans: Global Cooling Tower Market is embracing smart automation, IoT-based monitoring, AI-driven predictive maintenance, hybrid and dry cooling systems, and durable, eco-friendly materials like FRP and HDPE.

Analyst Perspective:

Global Cooling Tower Market is evolving rapidly as industries pivot toward smart, high-efficiency, and sustainable cooling solutions. Key players like B&W SPIG, Baltimore Aircoil Company (BAC), and Cenk are driving innovation, while rising adoption across HVAC, power generation, and industrial sectors underscores strong growth potential. Strategic investments and technological advancements are positioning the sector for long-term opportunities.

Related Reports:

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Ultrasonic Heat Meters Market: https://www.maximizemarketresearch.com/market-report/ultrasonic-heat-meters-market/206022/

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