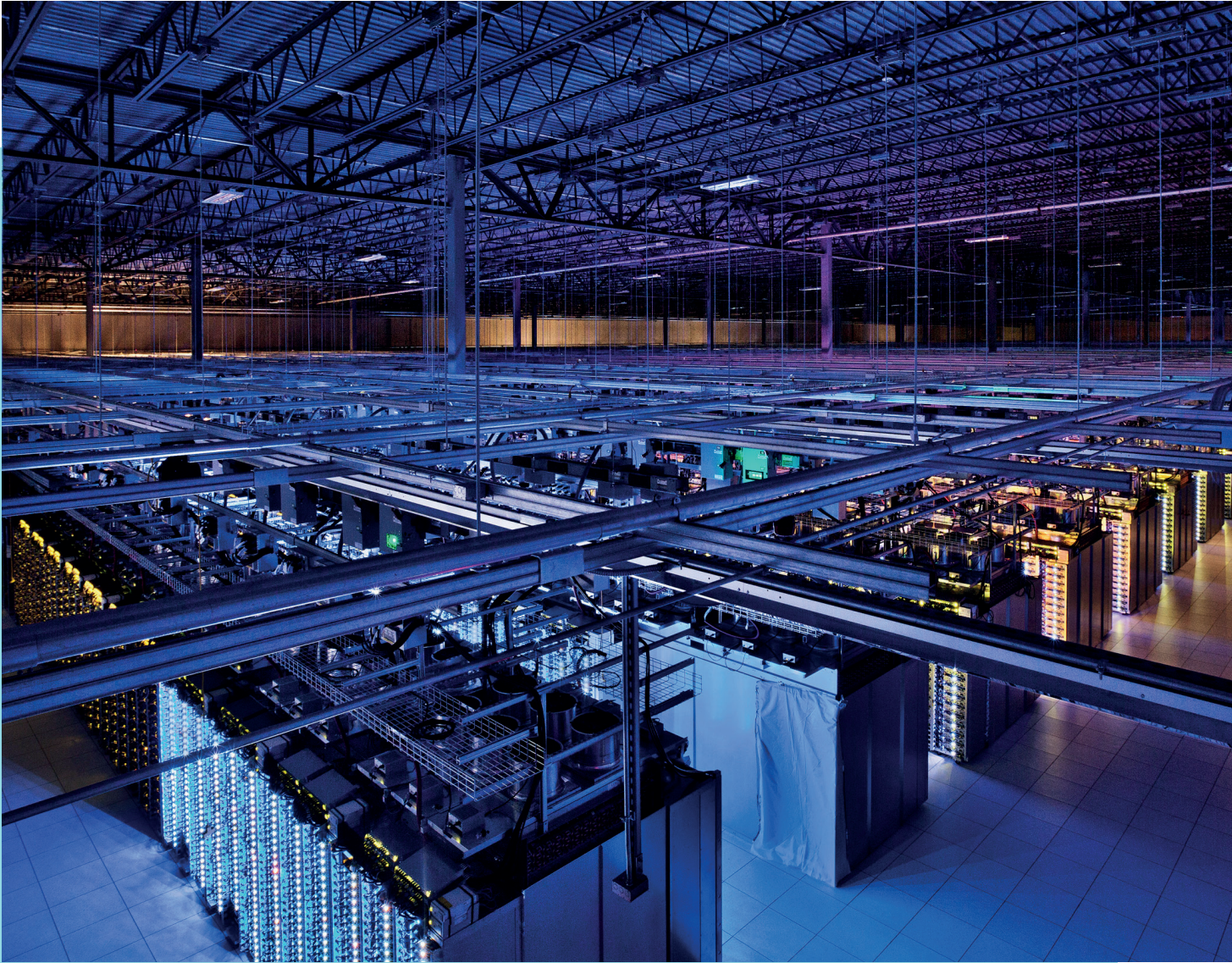


Data Center Cooling

High-Efficiency Hamon® Induced Draft Cooling Towers



The Power to Make the World Cooler!

Engineering Excellence in Cooling Solutions

John Cockerill Hamon is the world leader in the design, manufacture and maintenance of advanced cooling towers for industrial and energy intensive applications.



With more than 120 years of cooling experience and global references, we offer high-performance, reliable, and sustainable cooling solutions tailored to the most demanding environments-including mission-critical data centers.

Cooling for the Digital Era

The challenge: efficient cooling for the ever expanding digital infrastructure

Modern data centers require continuous, reliable, and silent cooling solutions to protect sensitive IT equipment. As facilities grow in capacity and density, traditional cooling systems struggle to meet energy and environmental targets.

Our solution

John Cockerill Hamon offers cutting-edge induced draft cooling towers with optimized noise attenuation and energy-efficient design, helping reduce Power Usage Effectiveness (PUE) while ensuring robust thermal performance.

While evaporative cooling consumes water, it greatly reduces the need for electricity to cool systems, typically cutting electricity demand by 3 to 4, depending on environmental conditions. As a result, in many cases, the net Water Savings are positive, as power plants that generate electricity for the grid also consume large amounts of water.

- More than 120 years of expertise in Hamon® Cooling Solutions
- Low noise emissions
- Lowest power consumption helping for an optimal data centers PUE with our energy saver device
- Robust and reliable 24/7 technology proven even in nuclear powers plants
- Water consumption minimized in a global approach and also at DC level, wet-dry, blowdown recovery, increase of number of cycles, ...

Induced Draft Cooling Towers

High-efficiency, low-noise, FRP-structure cooling towers

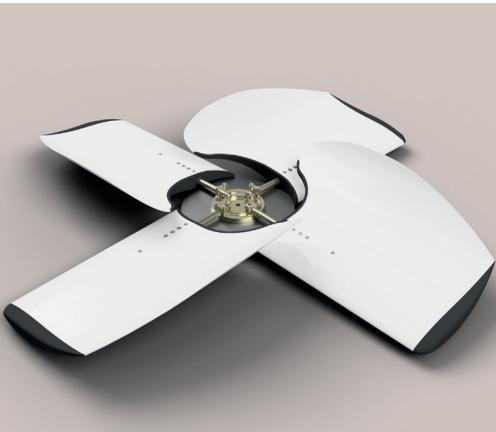
- Induced Draft Fans: top-mounted for optimal airflow management
- Fiberglass-Reinforced Plastic (FRP) Structure: corrosion/weather-resistant and lightweight
- Noise Attenuation Solutions: very low noise fans, integrated silencers and basin slanted plates
- Energy-Saving Drives: high-efficiency fans and motors, energy saving VFD
- Low Pumping Head with gravity sprayers
- Compact Footprint: designed for modular deployments in constrained urban or hyperscale sites
- Optimized tailor-made solutions, made once and scalable for future cost savings
- Maximum 24/7 availability

	Efficiency	vs. Conventional Towers
Metric	Hamon® Induced Draft Tower	Traditional Counterflow Tower
PUE Impact	Very low	Moderate
Noise (@ 1 m)	70-80 dB(A)	80-85 dB(A)
Fan Energy Consumption	15–25% lower	Baseline
Water Consumption (m³/h)	Optimized	Standard
Structural Weight	20–30% lighter (FRP)	Heavier (steel)

We build today the standard Cooling Towers of tomorrow

Applications in data centers

- Hyperscale: designed for large, centralized data processing facilities
- Colocation: compatible with flexible deployment models
- Edge: lightweight FRP makes it viable for rooftop or tight urban installations
- Enterprise: we can develop specific solutions meeting every enterprise business philosophy



We offer a range of induced draft cooling towers with heat evacuation capacities ranging from 2.5 MW to 45 MW per cell, fully configurable in:

- Number of cells
- Fan diameter and speed
- Noise level
- Water quality
- Structural material grades
- Water & energy saving packages (optional)

Contact us for detailed datasheets and custom configurations.

John Cockerill, our offices worldwide

120
YEARS
OF EXPERIENCE



**For ever more reliable,
high-performance and
environmentally-friendly
solutions.**

John Cockerill Energy Worldwide

Belgium – France – Spain – United Kingdom – Saudi Arabia – India – Vietnam – Indonesia – South Korea – USA – Brazil

Data Centers

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