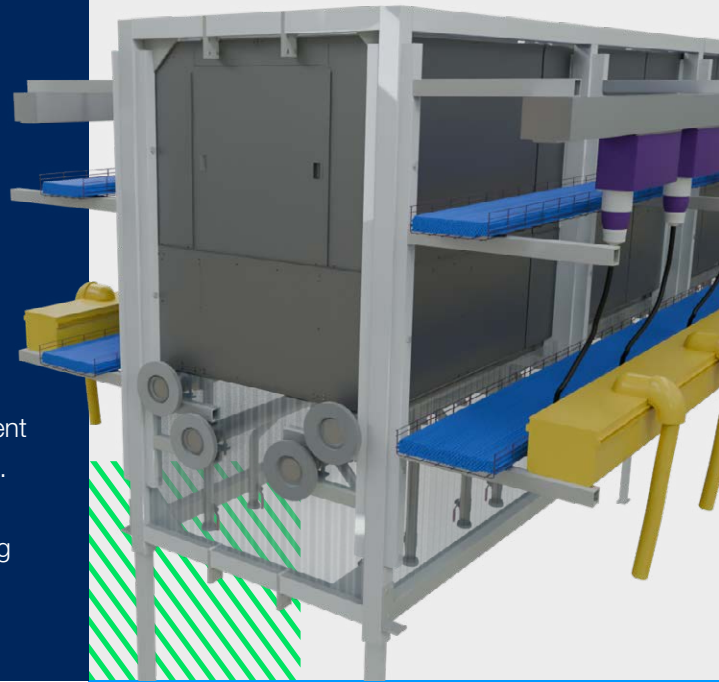


Cooling at the Source: HAC-Integrated Air Handling Units by Tate

Integrated Containment Cooling Engineered for High-Density Data Halls.

Tate HAC-Integrated Air Handling Units combine cooling and containment into a single solution that delivers conditioned air directly in the data hall. Designed for high-density environments, hybrid-cooling strategies, and pod-based deployments, HAC-Integrated AHUs deliver localized cooling while maximizing space efficiency.



Key Benefits

Maximize White Space

Increase usable white space and IT density by shifting away from traditional centralized cooling architectures and eliminating dedicated cooling support areas.

Integrated System Design

Simplify procurement, improve compatibility, and lower installation costs.

Simplified Data Hall Design

Remove the need for plenum spaces to create a cleaner, more efficient layout, and reduce complexity across the build.

Localized Cooling Performance

Deliver cooling exactly where it is needed to improve efficiency and reduce waste.

Deploy Faster

Accelerate implementation with a modular, pre-engineered design that plugs and plays for more predictable deployment.

Flexible Cooling Strategies

Operate air and liquid cooling seamlessly within the same data hall.

Key Features

Modular Construction

Sectional design simplifies handling, transport, and installation.

Double-Wall Casing

Ensures structural strength, durability, and consistent thermal insulation.

Coil Systems

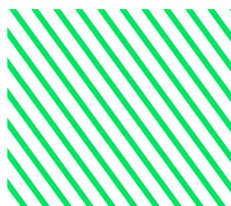
Support effective heat transfer and stable thermal performance.

Fan/Blower Systems

High-efficiency fans deliver controlled, scalable airflow across containment or open environments.

Integrated Connections

Designed for reliable mechanical and hydraulic integration across system types.



Airflow at Scale: Fan Wall Systems

Flexible, High-Volume Air Movement for Large-Scale Data Center Environments.

Tate Fan Wall Systems provide efficient, scalable airflow generation for enterprise, colocation, and hyperscale data centers.

Built around a modular fan architecture, the system delivers reliable air movement, operational resilience, and simplified expansion.

Key Benefits

Scale with Demand

Support airflow capacity as demand grows

Enhance Operational Resilience

Reduce single points of failure to improve overall cooling system availability

Lower Operating Costs

Match airflow output to actual demand and improve overall energy efficiency for performance across varying loads

Key Features

Modular Fan Array Architecture

Multiple fan modules for scalable airflow and flexible system configurations

Variable-Speed Operation

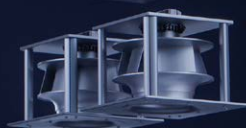
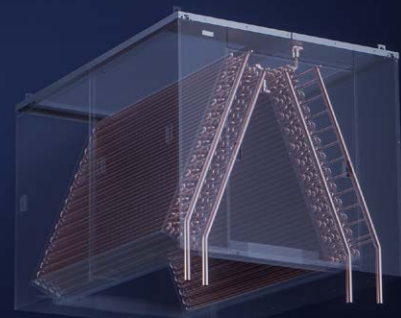
Demand-based airflow control and optimized energy consumption

Deployment Flexibility

Adapts to a wide range of facility designs, including new construction and retrofit projects

Targeted High-Density Support

Support hotspots and higher-density zones with controlled, consistent airflow



Why Tate?

- ✓ 120+ years of engineering expertise
- ✓ Integrated portfolio spanning airflow, containment, power, and liquid cooling
- ✓ Global manufacturing and delivery capabilities
- ✓ Trusted partner for enterprise, colocation, hyperscale, and AI-ready deployments

[CLICK HERE TO LEARN MORE ABOUT
TATE'S PORTFOLIO OF AHU SOLUTIONS](#)

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