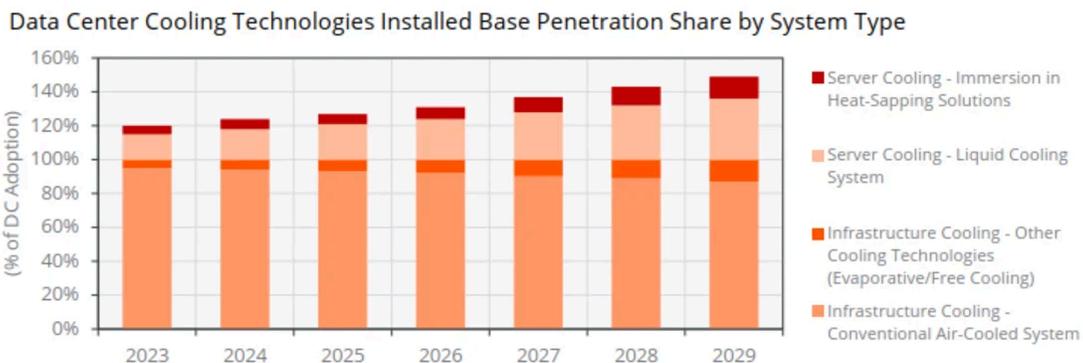


AI's Power Surge and the Future of Data Center Cooling

As AI continues to reshape industries, it's also significantly increasing the power consumption of data centers. Traditional air-cooling methods, once the industry standard, can no longer efficiently manage the enormous heat generated by AI workloads. This has led to a shift towards more sustainable and efficient liquid cooling solutions, especially immersion cooling, which is proving to be a game-changer.



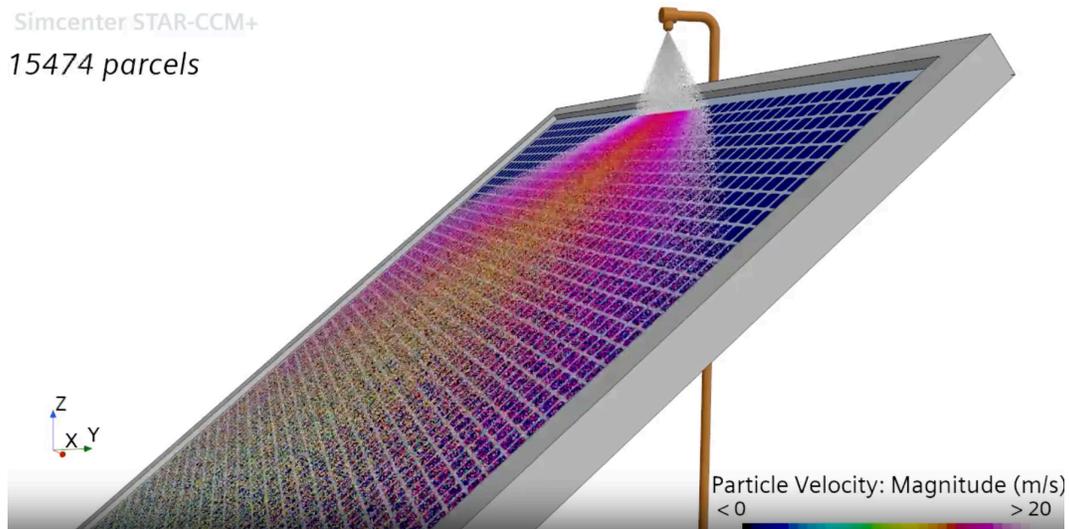
At TotalSim, we're committed to staying up to date with these advances, leveraging the power of AI and computational fluid dynamics (CFD) to drive efficiency and optimal performance in [cooling systems](#). With our team of CFD experts, we ensure that our solutions incorporate cutting-edge technologies to help data centers meet both environmental and operational challenges.

Want to dive deeper into how CFD can optimize cooling strategies and reduce energy consumption? Check out Siemens' full webinar on the topic and see how this innovative approach is revolutionizing data center management.

WEBINAR

Discover the Exciting New Features in Simcenter STAR-CCM+ 2502!

The Simcenter [STAR-CCM+](#) 2502 update is packed with exciting new features that will speed up your simulations, improve model accuracy, and make team collaboration easier than ever. Key improvements include efficient mesh motion for moving objects, faster vehicle thermal management simulations, and more advanced methods for modeling battery thermal runaway, corrosion, and non-Newtonian fluid behavior. The update also includes innovations like improved battery safety simulations, advanced corrosion analysis with high-fidelity data, and accurate non-Newtonian fluid modeling for industries like food processing.



Other updates include faster optimization with adjoint-based methods, improved simulations for moving objects, and quicker thermal management simulations using GPUs. Plus, there's a new tool to automate complex workflows in aerodynamics and turbomachinery, and a smoother way to share data between teams working on E-Machine designs.

Curious to learn more about how these enhancements can help you design better products faster? Click the [link](#) to dive into the full list of updates!

Upcoming Events

Work Truck Week // Indianapolis, IN // March 4 - 7

Industries Where We Excel



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