

VSAS™

Velocity. Scalability. Adaptability. Sustainability.

Velocity, Scalability, Adaptability, and Sustainability

For hyperscalers, cloud and platform providers, and an increasingly sophisticated class of enterprise clients, predicting usage and growth models when expanding in new or existing markets is a complex challenge. Some risk overprovisioning, thus increasing CapEx and OpEx. Others may be unable to build or obtain data center capacity quickly enough where and when they need it, which can impede new revenue-generating initiatives.

Another challenge is that compute loads are becoming more dynamic since capacity demands can vary quarterly or even project by project. Additionally, these organizations, along large enterprises with high-density demands, seek to reduce the energy, water and space needed to operate their physical data center environments, as they strive to improve cost-efficiencies and enhance sustainability.

Speed and Scale, Where and When You Need It

Speed-to-market, flexibility, and scalability have become business-critical for hyperscalers, cloud and platform providers and sophisticated enterprises when expanding or upgrading existing infrastructure.

Aligned's data center platform and operations are underpinned by four pillars that we refer to as **VSAS™ – Velocity, Scalability, Adaptability, and Sustainability.**



VELOCITY

Leveraging a standardized supply chain methodology, proven technologies and best-of-breed partners, Aligned's data center builds can be delivered in as few as six months. We can also provision initial deployments of 2 to 20+ MWs of capacity, and scale beyond in as little as 12 weeks.

Aligned's supply chain methodology is founded on:

- Available inventory, ready for quick deployment and comprised of prefabricated, factory-built and tested power and cooling equipment
- Standardized electrical kit and complete cooling inventory program from heat rejection to heat absorption
- Broad and highly experienced talent pool

Aligned's standardized supply chain provides customers with a simple and repeatable model for expansion in new or existing markets. At any given point in time, Aligned's vendors hold approximately 50 MW's of available inventory in an auto-replenished pool, ready for immediate deployment.



SCALABILITY

Aligned's award-winning, patented cooling technology, Delta Cube (Delta³), allows customers to deploy infrastructure where and when they need it – and reconfigure quickly and seamlessly, and usually within the same footprint – to support their changing requirements.

- With Delta³, workload densities can scale in place without having to reconfigure existing infrastructure, disperse equipment, or require large-scale investments to augment floors for increasing heat loads
- Customers can initiate an infrastructure profile at one density and scale up to 50 kW per rack without disruption, all while maintaining industry-leading Power Usage Effectiveness (PUE)
- Aligned's Delta³ Array provides approximately 350 kW of heat rejection in just four feet, compared to the same amount provided by several large traditional Computer Room Air Conditioning (CRAC) units



ADAPTABILITY

Unpredictable usage and growth models require a new breed of adaptable infrastructure that enables customers to deploy infrastructure quickly as needed (and reconfigure seamlessly if necessary) as their businesses grow. This allows customers to truly future-proof their IT environments.

- Aligned's colocation and Build-to-Scale solutions are designed with flexibility in mind
- Intelligent infrastructure, combined with incrementally scalable technology and a nimble, standardized supply chain, allow us to more dynamically meet customer needs



SUSTAINABILITY

Aligned is committed to solving the world's toughest challenges associated with data center infrastructure, energy consumption and water usage. Our platform is focused on helping companies deliver greater business value with less costly energy and infrastructure resources.

- Aligned's data center offering requires up to 80% less power, significantly reducing tenant Total Cost of Operation (TCO)
- Utilizes up to 85% less water with the ability to run waterless as required, significantly reducing points of failure and expense
- Lowers the cost of infrastructure up to 40%



Contact Aligned to Learn More

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ABOUT ALIGNED

Aligned is an infrastructure technology company that offers adaptable colocation and build-to-scale solutions to cloud, enterprise, and managed service providers. Our intelligent infrastructure allows densification and vertical growth within the same footprint, enabling customers to scale up without disruption, all while maintaining industry-leading Power Usage Effectiveness (PUE). By reducing the energy, water and space needed to operate, our data center solutions, combined with our patented cooling technology, offer businesses a competitive advantage by improving sustainability, reliability and their bottom line. For more information, visit

www.aligneddc.com and connect with us on [Twitter](#), [LinkedIn](#) and [Facebook](#).