BACKGROUND

For companies focused on maintaining existing or expanding into new markets, predicting usage and growth models is fast becoming a complex challenge. Connected by high-capacity private networks with end-user access via cloud on-ramps and next-generation internet exchange (IX) platforms, these organizations are increasing investments in existing sites, adjacent land parcels and established data center markets. However, unprecedented growth and scalability demands are outpacing what they can produce in their existing data centers.

CHALLENGES

Hyperscalers, platform and cloud providers, and enterprises using high-density computing face multiple risk factors when planning new data center deployments. Chief among these are financial risk and ensuring on-time project delivery. Staffing concerns and equipment quality issues that can lead to downstream operational liabilities are also at stake in platform delivery. Simply put, power and cooling equipment must arrive on time and be operational according to specified design parameters. Troubleshooting infrastructure in the field extends project timelines and inflates overall cost.

Additionally, new locations are becoming more difficult to predict even as access to green energy resources and the ability to accommodate exponential platform growth are becoming business critical.
RESULTS

By employing this advanced supply chain methodology, Aligned provides adaptable infrastructure that enables customers to deploy quickly and have the ability to scale in place as their businesses grow. Aligned can provision initial deployments of 2 to 20+ MWs of capacity, and scale beyond in as little as 12 weeks. Additionally, our advanced supply chain methodology enables scalability within the same footprint for years. This allows customers to truly future-proof their IT environments in the wake of unpredictable usage and growth models that are becoming table stakes due to dynamic and increasing business demands.

Aligned’s future-proof wholesale colocation and custom, build-to-scale data center solutions can support power densities up to 50 kW per rack, while maintaining industry-leading Power Usage Effectiveness (PUE). Reliable and sustainable, Aligned provides 100% uptime SLA in Tier III certified data centers, while our efficient platform saves energy and water.

Macquarie Infrastructure Partners

Aligned received a strategic investment from Macquarie Infrastructure Partners, an investment fund managed by Macquarie Infrastructure and Real Assets (MIRA). MIRA is a division of Macquarie Asset Management, the asset management arm of Macquarie Group, a diversified financial group providing clients with asset management, banking, advisory and risk and capital solutions across debt, equity and commodities. As of its most recent reporting date (March 31, 2018), MIRA had assets under management of ~$US119 billion invested in ~148 portfolio businesses, ~300 properties and ~4.5 million hectares of farmland, including ~5GW of renewable power generation projects.

Macquarie is one of the founding members of the Climate Finance Leadership Initiative (CFLI), convening six influential financial sector leaders to help facilitate the private financing objectives included in the landmark Paris Agreement. Macquarie CEO Shemara Wikramanayake is also a founding commissioner of the UN’s Global Commission on Adaptation. In April 2017 a Macquarie-led consortium invested in the Green Investment Bank creating one of Europe’s largest teams of green energy investment specialists.

ABOUT Aligned

To learn more about Aligned and its colocation and build-to-scale solutions to cloud, enterprise, and managed service providers, visit www.aligneddc.com or email sales@aligneddc.com.