



EMERGING APPLICATIONS:

THRIVING IN A GLOBAL DIGITAL ECONOMY

A CONNECTED FUTURE STARTS
INSIDE CORESITE'S DATA CENTERS

EMERGING TECHNOLOGIES ARE RESHAPING OUR WORLD

CoreSite is leading the charge to provide innovators with data center and cloud solutions that offer real-time connectivity; near-instant data transfer; and the operational flexibility needed to continue changing the world.





ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

AI is the backbone for technologies like customer service chatbots, automated financial services and advice, and deep-dive analytics capabilities that create insights for sustainable success across business, sports and consumer services. But these technologies rely on having real-time access to massive volumes of data, meaning that companies employing AI/ML need to quickly and cost-effectively move workloads between cloud environments.

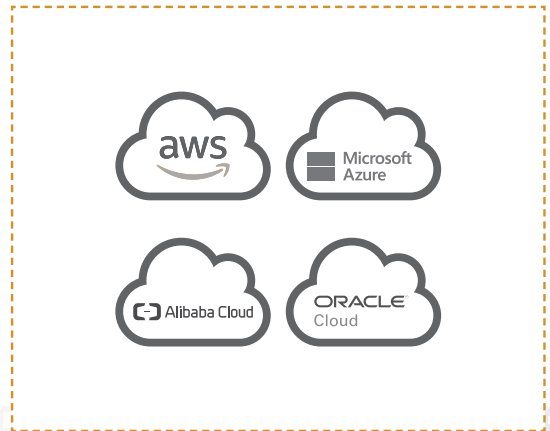
Did you know?

Nearly 40% of enterprises have implemented AI in some form to drive growth.¹

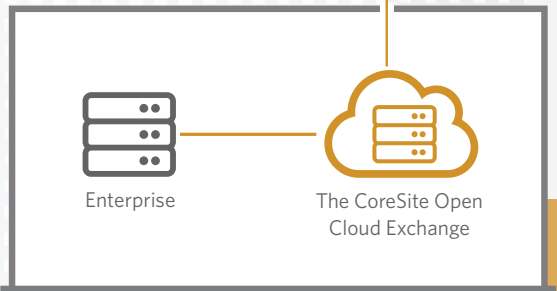
CoreSite solution: Colocation with multi-cloud connectivity through OCX

Solution in action: AI-powered chatbots sit on a cloud platform while connecting to core business applications with no latency.

Service Providers



CoreSite Data Center



1 "2019 CIO Survey." Gartner.com. January 21, 2019.

2 Munster, Gene; et al. "Next Mega Tech Theme is Virtual Reality." PiperJaffray.com. May, 2015.



AUTONOMOUS VEHICLES & DRONES

Self-driving vehicles are powered by petabytes of data, produced by microprocessors and dozens of sensors that collect data on everything from GPS locations and vehicle speed cross-referenced with on-board diagnostics to individual driver behaviors and preferences. All the data must be aggregated, analyzed and transmitted in real-time without fail, making the low-latency nature of additional compute and storage capacity available at strategically located edge facilities in other availability an absolute necessity.

Did you know?

*More than \$80 billion has been invested into autonomous vehicle technology in the last 3 years?*³

CoreSite solution: Hyper-connected colocation provides easy on-ramps to more compute and storage capacity to easily process and execute as much as 300TB of data per vehicle per year.⁴

Solution in action: Autonomous vehicles have driven more than 1,000,000 collective test miles with human-assist rates below .1 per 1,000 miles.



BLOCKCHAIN

The rise of blockchain technology means data center and cloud management services have to adjust to the changing realities on the ground such as the increased demand for GPUs. Colocation in hyper-connected data centers is an ideal solution for instantly tapping into excess capacity from public and private cloud providers to support the evolving demands of blockchain technologies.

Did you know?

*Today, over 90% of European and North American banks, along with more than 55% of healthcare organizations, are exploring blockchain technologies for their businesses.*⁵

CoreSite solution: Replace conventional local client-to-server interaction with high-performance network-to-network connectivity through Any2Exchange and global peering exchanges.

Solution in action: In healthcare, different blockchains enable patients to access and control the ownership of their medical records. The records are traceable on the blockchain, reducing the risk of deleted information, missing vaccinations and false medication claims.

- 3 Kerry, Cameron and Karsten, Jack. "Gauging investment in self-driving cars." Brookings.edu. October 16, 2017.
- 4 Dmitriev, Stan. "Autonomous cars will generate more than 300TB of data per year." Tuxera.com. Accessed June 10, 2019.
- 5 Petrov, Christo. "Blockchain Statistics: Understand Blockchain in 2019." Techjury.net. March 11, 2019.

CORESITE COLOCATION FOR A HYPER-CONNECTED FUTURE

CoreSite is a leader in hyper-connected data center facilities, edge computing and operational excellence. With nearly two dozen facilities located in eight strategic edge markets, CoreSite helps businesses physically locate core infrastructure closer to customers and end users while taking advantage of:

- 5 millisecond latency to 75% of U.S. businesses
- Ecosystem of more than 775 network, cloud and IT service providers
- Vendor agnostic with direct access to AWS, Microsoft, Google, Alibaba Cloud, IBM, and Oracle Cloud
- One-to-many interconnection through the CoreSite Open Cloud Exchange®
- A 100% uptime SLA with seven-9s uptime performance last year, delivered by a tenured operations team
- Ability to support up to 30kw density per cabinet in many markets



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