This customer, a global, rapidly-growing provider of computing products and platforms, sought new colocation space in Silicon Valley to support the rollout of its HPC infrastructure. Despite being a tenant in multiple Silicon Valley colocation facilities, it could not find adequate power and cooling density to support an efficient deployment of its base compute infrastructure, which are 3U server nodes each drawing 3kW of power. The company required 550 kW of power across 35 contiguous cabinets—an average of 15 kW per rack.

Colovore has engineered its Santa Clara facility specifically to address the needs of HPC and dense IT infrastructure. With modern liquid cooling and power densities of 20 kW per rack, wall-to-wall, Colovore provided the customer with the smallest, yet most scalable colocation footprint in the marketplace.

**BENEFITS**

- Increased IT operating efficiency driven by fewer racks, all in a contiguous footprint
- Decreased costs as a result of less networking and cabling infrastructure
- Easy scalability from day 1 with additional power available in the existing racks to support growth
- Improved reliability with a modern cooling system built specifically to handle HPC heat loads