

## Project Type

Data Center

## Size

230,000

## Services Provided

Engineer of record. Full HVAC and controls design. Taylor Engineering also performed a detailed simulation and lifecycle cost analysis of several cooling options including airside economizing with direct evap, air cooled chillers, and water-cooled chillers with integrated water economizer serving in-row coolers and passive CHW coils.

## Completion Date

2016

## Owner

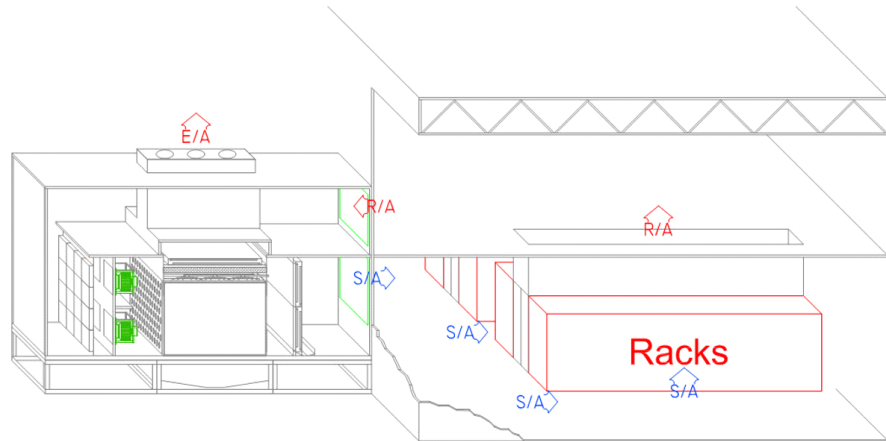
non-disclosure (a Fortune 100 company)

## Architect

Corgan Associates, Inc.

## References

Upon Request



This recent project provided HVAC for a 24 MW Tier IV data center, including multiple data halls, network rooms, electrical rooms, and office spaces through a phased build out.

Data hall cooling at this site is provided by redundant indirect evaporative cooling (IDEC) air handlers with evaporatively cooled trim DX. Additionally, humidity control is provided by sidestream air handlers with direct evaporative humidification and evaporatively cooled DX dehumidification. To bring HVAC to the rest of the building, separate network and office spaces are served by chilled water air handlers with full airside economizers. Heat recovery from the data halls provides heating for the offices and loading dock. The primary source of IDEC makeup water is a 40 acre stormwater recovery system. Additional sources include well water, storage tanks, and multiple utility sources.