

Project Type

Corporate Campus

Size

500,000

Services Provided

Design and optimization of HVAC, BAS, plumbing, and smoke control system through DD. Full commissioning of MEP systems.

Completion Date

2017

Owner

nVidia

Architect

Gensler

Contractors

Devcon Construction (GC)
ACCO (HVAC)
Sunbelt (BAS)

References

Nvidia: Bruce Thorpe Gensler:
Manan Shah SRGNC: Meris Ota
ACCO: Gregg Holbrook



Image Credit: Gensler

Taylor Engineering's project at nVidia's Corporate Campus brings mechanical systems to a new, cutting edge design, 500,000 sqft, 2-story office building with a 2-story underground parking garage, and 30,000 sqft of data labs assisted by integrated airside and waterside economizers.

This site uses an all variable speed chiller plant with series chillers and dual temperature distribution. Underfloor air distribution serves the 2nd floor, while VAV and radiant air distribution serves the 1st floor. The chillers at nVidia were pre-selected using a performance bid and lifecycle cost analysis. Additionally, the chiller plant was optimized using Taylor Engineering's Theoretical Optimum Plant Performance (TOPP) optimization technique to provide the most efficient and effective HVAC service available.