

PROJECTS

dsaencore



TURKEY DATA CENTER

CONFIDENTIAL CLIENT



PROJECT DATA CENTER

SIZE 12,500 FT²

REGION SOUTHWEST

STATUS COMPLETED APRIL 2008

CRITICAL EQUIPMENT

- 1200kW of critical power via a 3 x 750kVA UPS system
- 10 x 75kVA PDUs
- 3 x 1.5 Meg Standby Generators, parallel switchgear, ATS's
- Pre-action sprinkler and VESDA fire detection system
- **COOLING:** 12 x 30 ton air-cooled and condensers

SERVICES PROVIDED

- Design and Engineering
- Construction and Project Management
- Data Center Equipment
- Startup and Commissioning

PROJECT DETAILS

Demolished and converted existing warehouse space. Project included installing new medium voltage sub-station, and was completed on time and on budget.



Data center shown under construction.

WAKEFIELD DATA CENTER

DIGITAL REALTY TRUST



PROJECT DATA CENTER, POD 1 OF 6

SIZE 60,000 FT²

REGION NORTHEAST

STATUS UNDER CONSTRUCTION

CRITICAL EQUIPMENT

- Installation of new 13.8V/480v 8MVA substation
- 1200kW of critical power deployed via a 3 x 750kVA UPS system in an N+1 configuration
- 2 x 2 Meg standby generators, 6,000 Amp parallel switchgear
- **COOLING:** CRACs via a chilled water system with 2 x 400-ton air-cooled chillers

SERVICES PROVIDED

- Design and Engineering
- Construction and Project Management
- Data Center Equipment
- Startup

PROJECT DETAILS

Designed, built and equipped an 8,900 square foot datacenter in unoccupied space in a northeastern technology park. The project called for the build-out of infrastructure to support additional datacenter space contemplated by future development of the facility. The electrical basis of design required the delivery of up to 1200kW of critical power and ample cooling to power and cool the datacenter at densities of up to 120 watts/ft² in a raised floor environment.



PITTSBURGH DATA CENTER

AFFILIATED COMPUTER SYSTEMS



PROJECT DATA CENTER UPGRADE

SIZE 11,000 FT²

REGION NORTHEAST

STATUS COMPLETED NOVEMBER 2009

CRITICAL EQUIPMENT

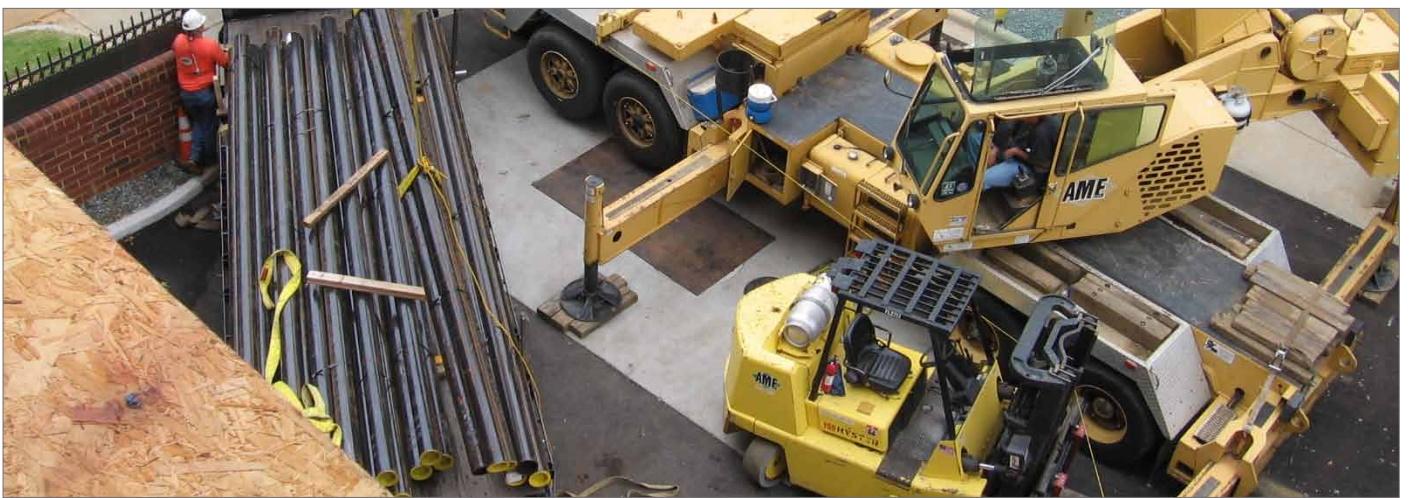
- 3 x 750kVA 12 pulse UPS system
- 2 x 2000kW Caterpillar Diesel generators
- 11 x 30 ton Liebert CRAC units

SERVICES PROVIDED

- Construction and Project Management
- Data Center Equipment
- Startup and Commissioning

PROJECT DETAILS

Executed a complete upgrade of existing site consisting of two fully-operational data centers. DSA also coordinated construction of a new 5,000 square-foot electrical services building with a new medium voltage utility process. The site's existing data centers were never taken off-line during the renovation and upgrade process.



Data center shown under construction. (above, right)

CHARLOTTE DATA CENTER

WINDSTREAM



PROJECT RAISED-FLOOR DATA CENTER

SIZE 7,200 FT²

REGION MID-ATLANTIC

STATUS UNDER CONSTRUCTION

CRITICAL EQUIPMENT

- 900kW of critical power deployed via a 4 x 550kVA UPS system in an 2N configuration
- 1 x 2.25 Meg standby generator with a 2 x 1600 Amp UPS parallel tie cabinet with maintenance bypass and distribution
- **COOLING:** CRACs via a chilled water system with 2 x 350 ton air-cooled chillers

SERVICES PROVIDED

- Design and Engineering
- Construction and Project Management
- Data Center Equipment
- Startup and Commissioning

PROJECT DETAILS

Project under construction includes design, build-out and equipment installation for an 7,200 square foot data center in an unoccupied communications and data center facility. The electrical basis of design required the delivery of up to 900kW of critical power in a concurrently maintainable, 2N configuration, as well as ample cooling to power and cool the datacenter at densities of up to 125 watts/ft² in a raised-floor environment.



DALLAS DATA CENTER

DIGITAL REALTY TRUST



PROJECT DATA CENTER

SIZE 4,400 FT²

REGION SOUTH CENTRAL

STATUS COMPLETED AUGUST 2010

CRITICAL EQUIPMENT

- Installation of new 4160/480v 2500kVA substation
- 800kW supplied via a 3 x 500kVA UPS system in an N+1 configuration
- 2 Meg standby generator, with provisions for a second roll-up generator or load bank
- **COOLING:** 9 x 30 ton CRACs in a Glycol closed loop system

SERVICES PROVIDED

- Design and Engineering
- Construction and Project Management
- Data Center Equipment
- Startup and Commissioning

PROJECT DETAILS

Designed, built and equipped a 4,400 square foot data center from unoccupied tenant space in one of the premier Internet gateway buildings in the United States. The project called for the delivery of up to 800kW of critical power and ample cooling for the primary datacenter at densities of up to 180 watts/ft² in a non-raised floor environment. The design also includes the capability to divert up to 360kW of unused critical power and cooling capacity to a second data center on the floor above, without disrupting operations of the core data center.



Data center shown under construction.

NORTHEAST DATA CENTER

HOSTED SOLUTIONS



PROJECT RAISED-FLOOR DATA CENTER

SIZE 10,000 FT²

REGION NORTHEAST

STATUS UNDER CONSTRUCTION

CRITICAL EQUIPMENT

- 3000kVA 13.8V outdoor substation with a 4000A 480V secondary switch
- 1350kW of critical power deployed via a 3 x 750kVA UPS system in an N+1 configuration
- 2 x 2 Meg standby generators, 6000 Amp parallel switchgear
- **COOLING:** Innovative 4 x 150 Ton air-cooled, compressorized, packaged roof-top system with no CRACs in data hall

SERVICES PROVIDED

- Design and Engineering
- Construction and Project Management
- Data Center Equipment
- Startup and Commissioning

PROJECT DETAILS

Project under construction includes design, build-out and equipment installation for a 10,000 square foot data center in unoccupied space in a northeastern industrial park. The project calls for the build-out of infrastructure in support of a showcase facility that in turn facilitates the customer's growth plans in the region. The electrical basis of design required the delivery of up to 1350 kW of critical power and ample cooling to power and cool the data center at densities of up to 135 watts/ft² in a raised-floor environment.

OTHER REPRESENTATIVE PROJECTS

Internap for Sabey/Softlayer

Tukwila, WA

NYNEX

Pearl River, NY

JP Morgan Chase

New York, NY

AT&T

Rochelle Park, NJ

Depository Trust

New York, NY

The Navy Depot

Brooklyn, NY

Globix

London, England

AT&T

Cheshire, CT

AT&T

Atlantic City, NJ

Bankers Trust

New York, NY

Avon Corporate Data Center

Rye, NY

Globix

New York, NY

AT&T

White Plains, NY

Affiliated Computer Systems

Blythewood, SC

Merrill Lynch

Multiple Locations

Connecticut State University System

Multiple Locations

DCI Technology Data Center

Charlotte, NC

Digital Realty Trust

Piscataway, NJ

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