



## QTS Realty Trust

**Client**  
DPR Construction

### Exterior equipment yard and building electrical infrastructure

When QTS Realty Trust selected DPR Construction to build its newest data center in Manassas, Virginia, the general contractor engaged Power Solutions to install the base building infrastructure and the exterior equipment yard. Over an aggressive 18-week construction schedule, Power Solutions delivered 3.6 MW of critical power to the 27,000 square foot facility.

As with every complex mission critical project, the construction team had to overcome multiple hurdles, not the least of which was severe weather conditions that wreaked havoc on the schedule. In response, Power Solutions developed and implemented a recovery schedule. The crew worked extended single and double shift hours to ensure that all original milestone dates were achieved. The aggressive schedule required careful coordination of feeder and conduit layout/installation as well as close coordination with the electrical engineer and client to ensure the expectations of all parties were met.

“True to the core value of Power Solutions, the team onsite exceeded expectations, handled multiple obstacles seamlessly, and met the clients turnover date while providing a concrete representation of the skilled labor needed in today’s demanding projects.”

**TED KURETH, PROJECT MANAGER**

The QTS project won a 2019 Craftsmanship Award from the Washington Building Congress in the category of Power Generation, Distribution and Switchgear.

#### By the Numbers

- 4** 2.25 MEGAWATT GENERATORS
- 4** 3000A MAIN SWITCHBOARDS
- 4** 2500 KVA PAD MOUNTED TRANSFORMERS
- 4** 1200KW UPS SYSTEMS
- 4** 1600A UPS OUTPUT BOARDS
- 14** 600A STATIC TRANSFER SWITCHES
- 12** 400A POWER DISTRIBUTION UNITS
- 60K+** SIX-INCH PVC FIBER RACEWAY THROUGHOUT SITE
- 10K+** SIX-INCH PVC MV RACEWAY THROUGHOUT SITE