

# Quantum Engineering Co., P.C.

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## Data Center Experience

Project Name / Description	Mission Critical Equipment	UPS	Emergency Generator	HVAC System
<ul style="list-style-type: none"> <li>Office of The State Comptroller, Rensselaer Technology Park, 365 Jordan Rd. Replace UPS System</li> </ul>	4000 ft <sup>2</sup> data center	225 kVA	Existing 2000 kW	Existing Central Chilled Water
<ul style="list-style-type: none"> <li>Office of The State Comptroller, Rensselaer Technology Park, 200 Jordan Road Replace a rotary UPS system with new Static UPS System</li> </ul>	2000 ft <sup>2</sup> data center	80 kVA	Existing 2000 kW	Existing Central Chilled Water
<ul style="list-style-type: none"> <li>Office of Court Administration, Rensselaer Technology Park Installation of a new UPS and Emergency Generator to support the entire building.</li> </ul>	200 ft <sup>2</sup> server room plus entire building	100 kVA	400 kW	Stand alone dx system
<ul style="list-style-type: none"> <li>MAPINFO, Rensselaer Technology Park @ 1 Global View Design and installation of a new single module UPS and Emergency Generator</li> </ul>	400 ft <sup>2</sup> server room	300 kVA	75 kW	Stand alone dx system
<ul style="list-style-type: none"> <li>VP Net, Rensselaer Technology Park Installation of a new UPS system and back-up generator</li> </ul>	150 ft <sup>2</sup> server room	30 kVA upgraded to 40 kVA	120 kW	Stand alone dx system
<ul style="list-style-type: none"> <li>Empire Blue Cross Blue Shield, 11 CWB, Albany, NY Replace an 80 KVA and 50 KVA UPS's with an isolated redundant configuration</li> </ul>	2000 ft <sup>2</sup> data center	2 @ 225 kVA	No Generator	Combination stand alone dx split system & water cooled units
<ul style="list-style-type: none"> <li>WellChoice, 11 CWB, Albany, NY Installed distributed redundant UPS system &amp; back-up generator</li> </ul>	1800 ft <sup>2</sup> network control room	500 kVA	1100 kW	Stand alone dx system
<ul style="list-style-type: none"> <li>Empire Blue Cross Blue Shield, 11 CWB, VOIP upgrade</li> </ul>	Eleven (11) Cisco data switches	66 kVA	Existing 1100 kW	Stand alone dx system
<ul style="list-style-type: none"> <li>Empire Blue Cross Blue Shield @ Yorktown Heights, NY Upgrade network operations room</li> </ul>	800 ft <sup>2</sup> network control center	60 kVA	No Generator	Stand alone dx system
<ul style="list-style-type: none"> <li>Empire Blue Cross Blue Shield @ Bohemia, NY Upgrade network operations room</li> </ul>	400 ft <sup>2</sup> network control center	40 kVA	100 kW	Stand alone dx system

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• Empire Blue Cross Blue Shield 11 CWB, Web server room	300 ft <sup>2</sup> SUN Micro-system servers	APC Best 40 kVA +/-	Existing 1100 kW	Stand alone dx system
• KeyBank, 35 State Street, Albany, NY Relocate a UPS associated with a phone switch relocation	PBX & servers	12 kVA	No Generator	Stand alone dx system
• 22 Corporate Woods Blvd Office Building for KeyCorp	Server Room & (10) network closets	80 kVA	300 kW	Stand alone dx system
• NYS Teachers Retirement System, 10 CWB, Albany, NY Replace emergency generator to support existing loads	800 ft <sup>2</sup> data center	(2) Existing 125 kVA	400 kW	Stand alone dx system
• NYS Teachers Retirement System, 10 CWB, Albany, NY Replace UPS system	800 ft <sup>2</sup> data center	225 kVA	400 kW	Stand alone dx system
• First Albany Corporation – Boston, MA Modified house UPS & Generator System.	600 ft <sup>2</sup> data center	Existing House system	Existing House system	Existing House system
• First Albany Corporation – Albany Headquarters New UPS & Generator System.	800 ft <sup>2</sup> data center	150 kVA	Existing	Stand alone dx system
• DEC Building - 625 Broadway, Albany, NY Design and Installation of a new single module UPS and Emergency Generator	Server room & network closets	100 kVA	1250 kW	24/7 chiller system plus separate dx split system
• DOT Headquarters – 50 Wolf Rd, Albany, NY Design and Installation of a new UPS and Emergency Generator	2500 ft <sup>2</sup> data center & CAPNET room	225 kVA	1100 kW	24/7 chiller system plus separate dx split system
• PHOENIX Home Life, North Greenbush, NY Design and Installation of a new single module UPS and Emergency Generator	Server room & network closets	30 kVA	125 kW	Stand alone dx split system
• PHOENIX Home Life, East Greenbush, NY New Headquarters	400 ft <sup>2</sup> server room	24 kVA	No Generator	Stand alone dx system
• NYS United Teachers Headquarters, Colonie, NY	1000 ft <sup>2</sup> server room & PBX	80 kVA +/-	100 kW	Stand alone dx split system