

## AMGEN

### Abgenix (Amgen)

1,000 SF Data Center. To support increased heat load we added 10 Tons of cooling with all new ductwork, fire dampers and directional louvers. A redundant system was put in place in the event that there was a failure. Both systems were on a back up generator. In addition to increased cooling, a clean agent gas fire suppression system was also installed. This required that we isolate the area to contain the gas upon discharge, both architecturally as well as the HVAC System. The new and modified HVAC systems were added to the existing Siemens BMS. All work was completed while the room was in operation.

## FUJITSU

### Fujitsu

10,000 SF Data Center that was increasing heat load dramatically, requiring the installation of four (4) new Liebert Units as well as an elaborate anchoring and grounding system for the new cabinets. The cabinets had to be seismically anchored through the raised floor into the concrete with epoxy. All new dedicated power on UPS and back-up generator was installed, all being fed under floor. Above was a cable management system to keep all cable secure and organized. In addition, a fence was erected around the new server racks and secured with a card access system. The existing clean agent gas system was modified as needed.

## ASCENDENT<sup>SM</sup> SYSTEMS

Ascendent Systems is a Subsidiary of Research In Motion 

### Ascendent (Subsidiary of RIM)

Construction of a new 1,500 SF Data Center. The project included the installation of redundant 40 ton Liebert units as well as a redundant UPS/emergency power system. Construction included a raised floor system for power management and a gas fire suppression system. Cost approximately 1.2 million.

### Testimonial

"I wanted to personally take the time to reach out to you and let you know what a fantastic job you and your team have done on our building at Redwood Shores. Honestly without you and your team we would be in a really bad spot. We are thrilled to have worked with you and appreciate your responsiveness and excellence that you have demonstrated at our facility. You can be sure that if we ever need any additional work at our facility that we will contact you." Debbie Miller, CEO, Ascendent Systems

## BlueCoat

### CacheFlow (Blue Coat Systems, Inc.)

This project was to take an existing 66,000 SF two-story shell building and build offices and two data centers. The challenge with the project was the building owner was doing a seismic upgrade of the building as construction started, requiring a complete redesign of the structure supports for the two new 60 ton air handlers.



### Novo Nordisk

800 SF Data Center that need to be expanded into an existing vacant space. With only an 8 hour shut down, we expanded the data center to double the size as well as install redundant cooling, an air sampling system, clean agent gas and fire alarm upgrades. Structural supports were also needed to support the new Air Handling Unit that was installed. This system was also tied into the existing BMS by Siemens. All new racks were seismically anchored and new finishes were installed.

