



## Enterprise Data Center

### PROBLEM

**A large global financial institution needed to do a wholesale refresh of their entire IT infrastructure.**

This necessity was due to their use of antiquated equipment that could not support certain modern IT applications; Applications that our governing bodies were requiring them to be able to support within a 12-month time frame. To support this it required a total IT stack and storage array replacement. The issue is that they had to maintain their current operational capacity during the refresh and due to the nature of their business an outage, planned or unplanned, was not something they were willing to accept. They were going to have to build new facilities to house and support this new infrastructure concurrent to their ongoing operations and they were going to have to get it completed and migrated within their 12-month deadline. They already owned significant properties that could be used to house these new facilities, but none of it was outfitted with what traditional data center construction methodology would deem necessary infrastructure. Corporate leadership mandated that they use this existing space. ***How could they utilize their already owned non-data center specific real estate and deploy a quick to market, construction-light, standardized solution?***

### SOLUTION

Subzero Engineering identified their key problems through a comprehensive consultative approach and designed an AisleFrame centric Data Center Solution. Utilizing AisleFrame's adaptive ground-supported grid system they no longer needed to worry about their existing real estate not data center specific. The fact that AisleFrame provided all of the necessary infrastructure to support fiber tray, ladder racking, busway, rack docking and containment eliminated any costly raised flooring and/or structural ceiling. And the fact that Subzero broke down the facility's middle infrastructure into manageable pods and eliminated the purchasing institutions need to work with multiple vendors, it created a standardized, replicable solution. Now the AisleFrame Data Center Solution could be deployed directly onto the existing space's raw slab and a data center could be created. AisleFrame's pre-engineered adaptability also allowed for extremely quick lead time and the first 30-rack solution, was delivered within 12 weeks of its initial design. This allowed the institutions IT team to begin to populate the racks with their new IT equipment and to begin the systems migration almost 6 months early. As more pod solutions were delivered they were also populated and applications were migrated. This "as we go" approach saved the institution almost 18% of their budgeted migration labor costs.

### SUMMARY

**Subzero created an Data Center Solution specifically tailored to the solve the end user's problems.**

The solution created a state-of-the-art data center out of an already owned non data center specific property. The solution's pre-engineered adaptability reduced construction costs by providing all the of the necessary middle infrastructure in easily deployed pods. The deployment of these pods allowed the end user to migrate from their existing data center space in an "as you go" fashion, dramatically reducing their labor to migrate costs. In the end they beat their deadline, used their already owned real estate and reduced their overall budget. The project went so well the end user's corporate leadership team approved the modernization and migration of the institution's remaining data centers which has allowed them to be poised to capitalize on their industry's advancement into the digital age.