

**BJC Data Center (LEED® Certified)
High Performance 'Green' Data Center
St. Louis, MO**



The Project:

The new 30,000 sq. ft. Tier 3 primary Data Center for BJC Healthcare, St. Louis, MO will be located on an existing hospital campus that is being developed as a green healthcare facility in accordance with LEED® criteria. The Data Center and all future buildings will be built with high performance sustainable design principles, creating an "integrated" green site.

CJL Engineering Solutions:

- The Data Center will incorporate a high density heat containment approach to minimize cooling energy requirements and maximize environmental control to meet increasing data equipment power and cooling loads.
- The Data Center cooling load heat rejection will also be recovered and used for various hospital heating needs, including boiler makeup water preheat, VAV reheat, Domestic Hot Water preheat.
- The Data Center will be built Tier 3 standards, including seismic and tornado hardened facilities, multiple utility power sources, and n+1 redundancy for normal and emergency MEP equipment.