



## Our Work

**Project/Client Name:** ISG Technology Data Center Condition Assessment

**Location:** Topeka, KS

**End Date:** March 2013

**Role:** Feasibility Study and Budget Exercise

## Scope of Work

**SITESPAN** performed a condition assessment of the mechanical, electrical, fire protection and security systems for a new data center facility acquired by ISG Technology, Inc. The facility includes a 10,000 square foot, slab on grade, data center within the 17,000 square foot building.

## Project Detail

The **SITESPAN** team evaluated the condition and current capacity of the data center systems, identifying several limiting factors for future growth and provided recommendations including:

- Dedicating the five, direct expansion CRAC units to the data center room, adding a common controller or building automation system and adding control isolation dampers on each unit's discharge.
- Identification of issues related to the FM-200 fire suppression system and pre-action sprinkler.
- Adding redundancy to the 300 kW UPS and 800 kW standby generator.
- Recommending upgrades to the existing physical security and intrusion detection systems.

In addition to evaluating existing systems, the **SITESPAN** team confirmed the technical requirements of the acquisition contract were met by the seller, provided industry guidelines for colocation facilities, provided analysis of future growth for the facility and systems and provided recommendations with probable costs and estimate ranges.

