Edward Shen

Our current company is operating under Tier 1 data center and switching to Tier 3 data center the company is saving over $24 million a year. The company has already experienced 10 unexpected outages, which cause the company to lose $14,800 per minute for every downtime. Under the Tier 3 data center we are able to increase productivity, decrease downtime in which lessen the company cost, and prevent unexpected outages for the data system.

The Tier 3 data center system offers a concurrently maintainable data center that fixes errors when it occurs, creating no or minimum downtime. Unlike the Tier 1, the Tier 3 data center system has redundant capability and multiple independent distribution paths for the computer equipment. The company is able to remove equipment and distribution paths on a planned basis and will not create any redundancy or distortion on the data center. The center will not be susceptible to disruption from a single planned or unplanned work activity. By switching to Tier 3 system the company is also able to sustain up to 72 hours of power outage with no downtime. The company is also able to increase the availability rate by 0.31% by switching to a Tier 3 data system.

Investing in a Tier 3 data center that cost an estimate of $35 million seems costly. However by implementing a Tier 3 Data center our company can save an estimate of $72 million dollar in three years' time. By having a Tier 3 data center we can reduce downtime, the cost for the company throughout a long period of time, and increase the data availability from 99.67% to 99.98% within just 1 years' time.

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