

If we upgrade our current Tier I data center to a Tier III data center, our company would save nearly \$15 million over the course of three years. Our Tier I data center faces significant downtime that costs of \$24,114,528 per year. Downtime also affects order processing and can lead to a loss in sales. A Tier III data center will eliminate downtime and maximize the efficiency of the company.

Upgrading to a Tier III data system will eliminate any scheduled downtime that costs our company roughly \$15,000 per minute under our current system. A Tier III system is concurrently maintainable and has multiple distribution paths that allow infrastructure maintenance without having to shut down our site. Another benefit of a Tier III data center is the multiple power source function that our Tier I data center lacks. If one power source fails, a Tier III system provides a backup power source to keep the data center running until the issue is resolved.

Our current system is costing our company \$48,229,056 over a three year period. We can eliminate that expense with a one-time cost of \$35 million to implement a Tier III data center. In just three years we can save \$13,229,056 in unnecessary downtime costs to the company. A \$35 million investment will have an extraordinary impact on the well being of our company in the long run. The vast savings, and the elimination of unnecessary downtime is enough to make this investment worthwhile for our rapidly growing company.

	Year 1	Year 2	Year 3	Total
Cost	\$35,000,000	\$0	\$0	\$35,000,000
Benefit	\$0	\$24,114,528	\$24,114,528	\$48,229,056

References:

- <http://www.dpair.com/design-data-center/data-center-tier/tier-iii/>
- <http://my.gartner.com/portal/server.pt?open=512&objID=260&mode=2&PageID=3460702&resId=2186316&ref=QuickSearch&sthkw=benefits+of+tier+III>
- <http://my.gartner.com/portal/server.pt?open=512&objID=260&mode=2&PageID=3460702&resId=2575715&ref=QuickSearch&sthkw=tier+3>