Flash Research Paper 1

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If the company invested in the redundancy that Tier 3 data centers offer, over a three-year period, we would see a net benefit of $13,229,056. The key capability that makes Tier 3 data centers so much more efficient than Tier 1 data centers is their redundancy.

It may not seem like much, but the difference between the 99.67% availability of a Tier 1 data center and the 99.98% availability of a Tier 3 data center saves 1,629.36 minutes of downtime a year. Tier 3 data centers can stay online for at least 72 hours after a power outage. This is achieved by having backup generators in case if an outage. Tier 3 data centers also get power from two geographically diverse sources. This minimizes the chances that regional issues such as strong storms disrupt business. This is good for unplanned outages but, also for planned outages. Redundant server parts, power, and cooling allows for maintenance to be performed on parts of the data center without interrupting the operations of the data center.

The cost of $35,000,000 to build the Tier 3 data center would be completely recouped by the end of a three-year period because the company will see a benefit of $48,229,056. Therefore, at the end of three-year period we will see a net benefit of $13,229,056. In the long run, upgrading to a Tier 3 data center reduces costs and increases the uptime of the data center.





Works Cited

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