

Case Study Summary

Data Center: Installation in Chillers

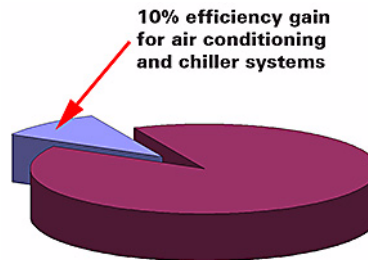


Layer42 is a company that operates data centers in Silicon Valley. Air conditioning is critical to the operation of the data center. If the a/c fails, the computers in the data center may fail denying service to hundreds of thousands of users.



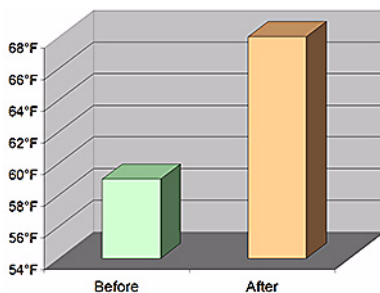
After a thorough review of the risks and benefits, Layer42 asked Power Knot to install the Synthetic Refrigerant Catalyst in the three chillers at their facility in Santa Clara, California. The chillers provide cold water to the data center which is then used to cool the air. One consideration for Layer42 is that this cooling of the data center is not disrupted.

Power Knot treated all three systems and recorded an increase in efficiency of 15% after about four weeks.

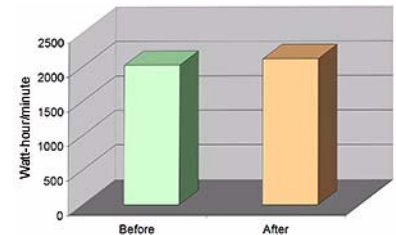


The picture to the left indicates what we said we would do.

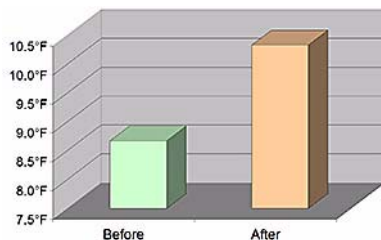
We had hotter weather after the treatment than before we treated the systems:



And as a consequence, the power increased by 4.5%:



However, the chiller produced colder water showing a gain in efficiency of 19.1%:



The net effect is an improvement in efficiency of nearly 15% despite the warmer weather.

Request a copy of the full report today from sales@powerknot.com.