

Calculate and compare your current lab costs with a purpose built Vantage Data Center environment.

Effectively managing space and power investments in your lab environment is critically important. Balancing cost-efficiency and performance means evaluating a myriad of options, both internal

and external. Use our TCO calculator to understand just how important the space and power trade offs can be and uncover those areas of potential TCO savings in your lab strategy.

Simply fill in the data below, or contact us and we'll fill it with you. Spend a few minutes and see how much you might be saving with a purposed built lab powered by Vantage Data Centers.

## STEP 1: POWER COSTS

# How much access do you need?

POWER COSTS CALCULATIONS	YOUR ENVIRONMENT	VANTAGE DATA CENTERS
<p><b>1A REQUIRED POWER CAPACITY:</b></p> <p>Power capacity need is a major component of your overall data center costs. Enter in your assumed k/W need in the boxes provided.</p>	<p>_____ k/W</p> <p>Estimated k/W need</p>	<p>_____ k/W</p> <p>Estimated k/W need</p>
<p><b>2A MONTHLY ACCESS NEED:</b></p> <p>Normal power utilization runs at around 80%. Factor your k/W need down by 80% and then convert to a monthly power need (k/W x .80 x 24 hours a day x 30 days a month)</p>	<p>_____ k/W</p> <p>k/W Need [1A] x .8 x 24 x 30</p>	<p>_____ k/W</p> <p>k/W Need [1A] x .8 x 24 x 30</p>
<p><b>3A ESTIMATE YOUR UTILITY COSTS:</b></p> <p>Utility costs are a factor of your monthly power need x the average utility costs of your environment. Estimate your likely utility costs using average commercial rates (\$.150/k/W hr.) vs. Vantage Data Center rates (\$.096/k/W hr.)</p>	<p>\$ _____</p> <p>.15 x Monthly Power [2A]</p>	<p>\$ _____</p> <p>.096 x Monthly Power [2A]</p>
<p><b>4A ENTER YOUR ESTIMATED PUE:</b></p> <p>Next, calculate your PUE using average commercial rates (\$1.60) vs. average Vantage Data Center rates (\$1.30)</p>	<p>\$ _____</p> <p>1.6 x Monthly Power [2A]</p>	<p>\$ _____</p> <p>1.3 x Monthly Power [2A]</p>
<p><b>5A YOUR TOTAL POWER COSTS</b></p> <p>Savings realized from operating your lab in a purpose built environment can be significant. Add together your Utility and PUE costs to see how much more cost effective a Vantage Data Center lab environment can be.</p>	<p>\$ _____</p> <p>Utility [3A] + PUE Costs [4A]</p>	<p>\$ _____</p> <p>Utility [3A] + PUE Costs [4A]</p>

## STEP 2: FACILITIES COSTS

# What do you pay for facilities?

FACILITIES COSTS CALCULATIONS	YOUR ENVIRONMENT	VANTAGE DATA CENTERS
<b>1B ESTIMATE YOUR RENT/LEASE COSTS:</b> If you're currently renting or leasing, estimate your current costs using an industry average lease rate of \$2.50 per sq/ft.	\$ _____ Total Sq/ft x 2.50	N/A
<b>2B ESTIMATE YOUR OPERATING COSTS:</b> Your costs to operate your lab environment include security, equipment maintenance, facilities personnel janitorial, taxes and fees. Assume an average industry operating cost of \$35 per kW.	\$ _____ Monthly Power Need [2A] x 35	<b>0</b> Included in lease costs
<b>3B YOUR PLANNED CAPITAL INVESTMENT:</b> Your capital investments are a big part of running your lab environment (PDU, battery backup, UPS...). Estimate your planned capital investments in the space provided (exclude racks and related gear).	\$ _____ Capital Investment Estimate	<b>0</b> Included in lease costs
<b>4B CALCULATE VANTAGE RENT:</b> Facilities costs in our model are a factor of the access need required in your lab environment. To estimate likely Vantage costs, multiply your access need (from above) x \$135	N/A	\$ _____ Access need [2A] x 135
<b>5B YOUR TOTAL FACILITIES COSTS:</b> Compare your total costs for rent, operations and capital investment to the fees with a Vantage Data Center lease.	\$ _____ Rent [1B] + Operating Costs [2B] + Capital Investment [3B]	\$ _____ Vantage Rent [4B]
<b>THE BIG PICTURE SAVINGS</b> While facilities costs might be a bit higher in an outsourced lab environment, when coupled with power savings, the picture improves significantly.	\$ _____ Total Power Costs [5A] + Total Facilities [5B]	\$ _____ Total Power Costs [5A] + Total Facilities [5B]

Vantage Data Centers allow you to take advantage of advances in data center design while also affording the flexibility and customization needed to cost effectively innovate quickly and turn on a dime. If you run a lab of any reasonable size, consider adding a purpose built Vantage Data Center to your lab operations.

For more reasons on why you should consider a Vantage Data Center lab environment, read our white paper on "The Top 5 Reasons to Outsource your Lab Environment" or visit us at [www.vantagedatacenters.com](http://www.vantagedatacenters.com).