

Customer Savings and Increased Productivity for Energy Firms

A V3 appliance combines high performance computing, increased productivity and green technology. Electrical energy savings of 80% or more are typical and End Users enjoy a computing experience that is 2 – 8X faster than traditional physical desktops. Beyond energy savings and increased performance, customers experience dramatic HVAC savings as well.

Desktop virtualization has been around for many years, yet it has never been a viable replacement for physical desktops until the V3 appliance. With V3, performance and green technology come standard, but there is more: centralized management, lower operating expenses, increased security, guaranteed computing availability, and efficient application deployment. V3 users are able to focus on their “core business,” not on IT or hardware management.

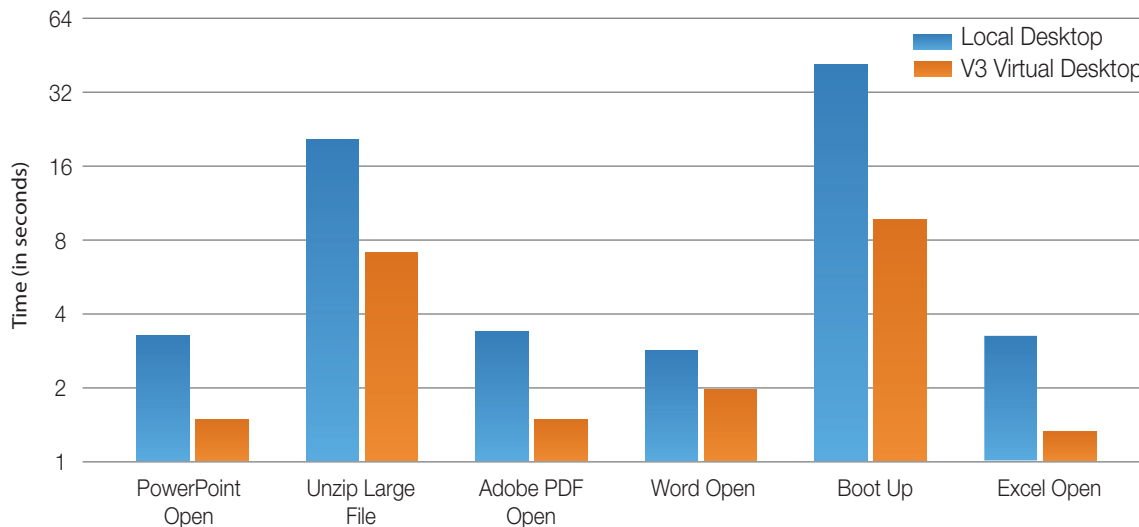
Increased Performance. V3 appliances use solid state as V3-certified storage. This provides faster access time for working data, and lower context switching, which minimizes unnecessary CPU usage when switching between applications to overcome the problems of slow performance and poor end user experience associated with VDI.

Add remote computing capabilities that exceed the performance experienced with local physical desktops that easily sync with any existing BYOD program, and green technology becomes the catalyst for dramatic improvement in company-wide performance, productivity and profit!

V3 Benefits

- Experience performance 2-8x faster than your local desktop even on a remote connections
- Manage Persistent Desktops with Desktops Cloud Orchestrator which easily creates, deleted, enables/disables or provisions them as failover/restore pools.
- Streamline desktop administration costs and return control where it belongs, with the desktop administrator.
- Improve scalability without high-density V3 Appliances
- Improve TCO by replacing high-density disk array with efficient V3 Appliances.

Virtual Desktop Acceleration



V3 Guaranteed Performance: Every V3 Appliance is guaranteed to outperform high-performance physical desktops.

V3 Guaranteed Utilization: Every V3 Appliance is guaranteed to maintain superior performance, even at full capacity with heavy workload users.

V3 Guaranteed Availability: Every V3 Appliance is compatible with V3's Management & Optimized Desktop Allocation ("ODA") Tools, which enable migrating and accessing persistent or non-persistent desktops locally or remotely, without sacrificing performance.

Dramatic TCO Savings. Replacing high-density disk arrays with more cost-efficient V3 Appliances lowers energy and operational costs in addition to lowering capital or "cost per seat" expenditures.

Dramatic Energy Savings. V3 appliances are designed to provide maximum performance output while requiring only minimal energy. The following example demonstrates significant energy savings when using a V3 appliance.

Energy Equation:

$$\text{(Number of Desktops)} \times \text{(Annual Energy Consumption (Kwh))} \times \text{(Cost of Kwh)} = \text{Cost of Energy Spent}$$

Annual Cost without V3:

Ex: 100 desktops X 1000 Kwh X \$0.12 per Kwh = \$12,000 cost of energy

Annual Energy Cost with V3:

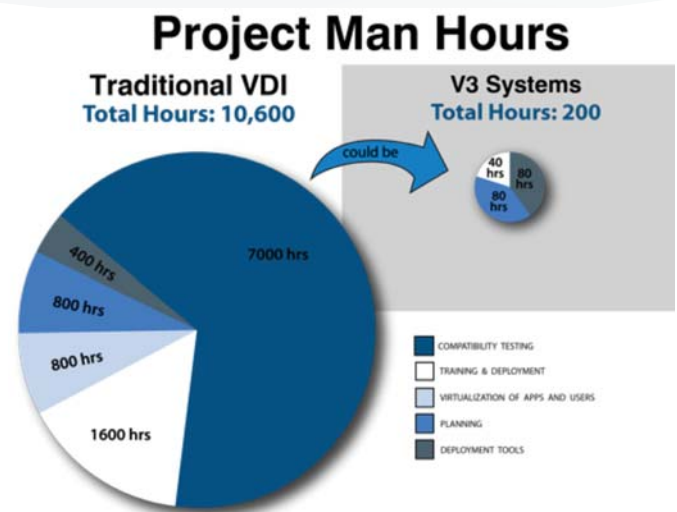
Ex: 100 desktops X 175 Kwh X \$0.12 per Kwh = \$ 2,100 cost of energy

Total Energy Savings for 100 Desktops with V3 = \$9,900

Don't Forget! With a V3 Solution, up to 80% of HVAC Electrical Costs associated with Computer-Generated Heat are eliminated.

Improved Manageability. Legacy virtual desktop management is performed by a combination of SAN, networking, and core infrastructure administrators, which is also complicated and expensive. It also leaves desktop administrators completely out of the equation. V3's appliance architecture returns control back to desktop administrators who can manage thousands of desktops remotely, from centralized or decentralized locations.

Improved Scalability. Because the V3 Appliance density and performance is so high, deployments result in lower sprawl with efficient hosts that "drop in" to scale from 100's, to 1000's even 10's of thousands without compromising performance.



Thick Client	\$ 800.00
TOTAL	\$ 800.00
V3 Appliance/Desktop	\$233.33
Thin Client	\$ 350.00
TOTAL	\$ 583.33
Total Savings	\$216.67

Source: Clearlink