



Green Data Centre: P-12 Solution Overview

Introduction

Challenged with limited budgets and IT personnel, P-12 organizations are under increasing pressure to maximize the value of existing investments while supporting the content-rich, collaboration tools that are shaping the minds of students today. From interactive white-boards to virtual field trips, the technology inside classrooms is more sophisticated than ever, placing increasing performance, security and management demands on the network and IT staff.

With innovative virtual desktop management and provisioning solutions from Virtual Bridges, Green Data Centre solves this challenge, enabling IT to balance budget constraints with increasingly rapid changes in technology. Virtual Bridges VDI Gen2 product, VERDE, improves efficiency, delivers labor and support savings, extends PC life, improves security and control, and simplifies management across classrooms and schools. All while reducing power consumption.

VERDE

Key Capabilities of the P-12 Solution, powered by VERDE

VERDE is designed for school districts wrestling with budget constraints, aging desktops, small support staffs and increasing technology demand.

Use VERDE for P-12 to:

Eliminate the need to track, maintain, upgrade, repair and keep virus-free all the desktop and notebook computers scattered across the district. Operating systems and applications are maintained in a central location, managed by IT staff from a single console. Users can access virtual versions of their desktop from anywhere. Personal items such as documents, settings and bookmarks are stored separately, delivering a fully personalized desktop. It's fast, it's secure and its time and manpower savings are significant.

Extend the life of older desktops. Shift processing power to a central server and eliminate the need

to continually update desktops with new and more powerful PCs. Additionally, by increasing the lifespan, users can reduce unnecessary waste.

Reduce time and resources required to install, manage and maintain PCs. Virtual Bridges VERDE "takes care of itself." A single installed image is used across a broad range of software, including various iterations of Windows, Linux and Apple operating systems. It's now easier than ever to install, manage and maintain PCs. Additionally, the solution can be deployed on-premise within a customer's own infrastructure or hosted as managed service by GDC.

Provide greater flexibility to students and teachers. Users can access desktops regardless of location or device. Students can log on from home with just a browser connection and run applications on a simple home computer without the need for extensive processing power. Offline VDI capabilities push processing power to the client level. Students and faculty can continue to work even if the connection is lost, the desktop remains available.



VERDE P-12 features:

- Monitoring and management of desktops across online, offline and branch environments
- High-definition multimedia support
- Automatic bi-directional sync for true mobility
- Advanced cloud branch capabilities including disaster recovery and business continuity
- Available on-premise or hosted as a managed service

Support teachers' increasingly sophisticated use of technology. Districts can continue to use PC's already in place to support video presentations, virtual field trips and complex lab setups that require extensive computing power and management. IT can manage and control complex applications and uses from a central server and management console.

Benefits

The Green Data Centre P-12 Solution, powered by VERDE is changing the way districts manage desktops. P-12 organizations enjoy:

- Simplified management of technology across classrooms, labs and campuses.
- Improved control and security.
- Increased cost and environmental savings achieved by extending the life of valuable hardware investments.
- Flexible and reliable access to desktops where students can continue to learn regardless of where they are – school, library or home.
- Significant savings in both CAPEX and OPEX spending as well as energy costs. On average, Virtual Bridges education customers save \$400 per desktop and reduce their OPEX spending up to 50 percent due to centralized management provided by VERDE.
- Reduced total cost of ownership - up to 30 percent less than competitive solutions.