



Empowering education through digital transformation

Education is undergoing **complete digital transformation** as it strives to keep pace with IT innovations and embraces online learning. Today, this sector is completely reliant on digital infrastructure as a platform for educating students and supporting staff. However, incorporating new technologies comes with its challenges, as establishments do their best to cope with the increasing demands on their IT.

Many institutions are struggling with outdated facilities which limit operational efficiency and take up space. And budget constraints are often the reason for not adopting new technologies or maintaining existing systems. On top of this, the education sector must ensure strict data security and privacy for staff and students through robust cybersecurity that guarantees secure, uninterrupted learning. Finally, institutions must ensure equal access to technology, especially in underserved areas. However, integrating services across different systems can create complications in terms of effective data sharing.

APC by Schneider Electric understands these challenges and **offers a range of connected infrastructure solutions for IT professionals**, to ensure schools, colleges, and universities have the IT resiliency, security, and scalability required to successfully master their digital transformation.

+18%*

rise in European cybersecurity attacks, 2024 versus 2023.

The Education/Research sector was the most targeted industry globally, with an average of 3,086 attacks per organization per week.

Why APC?

APC, a flagship brand of Schneider Electric, provides clean battery backup power, surge protection, and IT physical infrastructure, ensuring data is available — whenever and wherever you need it. With APC products that are connected to Schneider Electric ecosystems, we provide a complete portfolio of data center solutions, software, and services that are sustainable, resilient, hyper-efficient, and adaptive in the cloud and at the edge. That's Certainty in a Connected World.

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Life Is  On

Schneider
Electric



Elementary education and the art of simplicity

Addressing IT Challenges in Elementary Schools with APC by Schneider Electric

Managing the complexities of IT in your elementary school can be daunting. APC is here to help you tackle these challenges head-on with our reliable power solutions designed specifically for educational environments.

Top 3 Challenges of IT Deployments



Space Constraints

With the limited space available in many elementary schools, IT setups should be designed as efficiently as possible.



Budget Constraints

Financial limitations are a key factor in determining how comprehensive and advanced the IT infrastructure can be.



Maintenance

A simple IT setup is often favored, as it makes maintenance easier, especially if there are few or no dedicated IT staff available.

How do APC Solutions address these challenges?



APC provides space-saving solutions, including rack-mountable UPS, compact server racks for multiple devices, and PDUs that optimize space in server racks. APC integrated units combine power distribution, UPS, and cooling to **maximize functionality while minimizing footprint**. Some products can also be wall-mounted to free up floor space.



APC provides cost-effective, energy-efficient UPS systems that safeguard IT equipment from power issues. **Investing in high-quality APC products minimizes replacement and repair costs**, ensuring long-term savings. Also, APC software enables remote monitoring and management, cutting down on on-site IT staff needs and labor costs.



Many APC UPS units have user-friendly interfaces and monitoring software, allowing non-technical staff to manage them easily. **Remote monitoring lets IT personnel check UPS status off-site**, which is ideal for limited staff. APC also provides warranties and support services reducing maintenance burdens.



Ensuring secure connectivity in secondary education

Empowering Secondary Education with APC by Schneider Electric

In today's rapidly evolving educational landscape, secondary education faces challenges particularly in managing the IT infrastructure and securing student data. APC's solutions address these challenges, helping this sector to thrive.

Top 3 Challenges of IT Deployments



Connectivity

Connecting so many student and staff devices requires a robust networking infrastructure to support both classroom activities and administrative functions.



Security and Compliance

IT specialists are responsible for implementing secure access controls, monitoring systems, and training, to protect sensitive student and staff data.



Budget Constraints

As with elementary schools, secondary schools may be faced with financial constraints that limit how advanced their IT infrastructure can be.

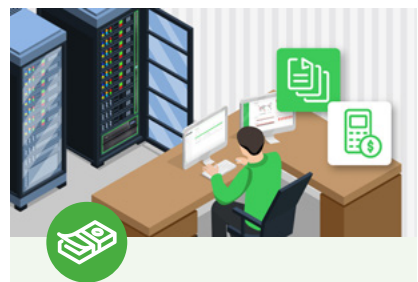
How do APC Solutions address these challenges?



APC UPSs ensure networking equipment stays powered during outages for reliable performance. APC PDUs manage power distribution to prevent overloads, while APC software simplifies IT monitoring and management through a single interface. APC racks enhance connectivity and organization, promoting an efficient and secure environment.



APC strengthens security by ensuring critical systems, like firewalls and monitoring systems, remain operational to safeguard sensitive student data. APC's management software enables real-time monitoring of power and environmental conditions for compliance. Additionally, APC's racks and enclosures are equipped with locks to protect against unauthorized access.



APC offers energy-efficient UPSs and PDUs to lower energy costs and protect equipment, extending lifespan. APC rack and cooling solutions optimize space and airflow. Modular designs enable colleges to scale IT infrastructure with minimal investment. Remote monitoring tools provide real-time insights, reducing the need for on-site staff and preventing downtime.



Robust and efficient connectivity in further education

Overcoming IT Challenges in Further Education with APC by Schneider Electric

As further education embraces digital transformation to the full, IT management and data security issues may arise. APC provides tailored solutions to help institutions navigate these obstacles effectively.

Top 3 Challenges of IT Deployments



Scalability

Further education often requires **scalable solutions** that can handle **significant traffic and data**, to accommodate fluctuating student numbers and academic programs.



Increased Complexity

Given the diverse needs across various departments and campuses, IT setups can be **complex**, requiring dedicated IT staff for maintenance and support.



Compliance & Cybersecurity

Further education institutions are often targets for cyberattacks, requiring **robust security measures** to protect sensitive information.

How do APC Solutions address these challenges?



APC's modular solutions enable institutions to scale their IT infrastructure as needed, reducing initial costs while enabling future expansion. **Our future-proof solutions can be configured for various applications**, from classrooms to data centers, ensuring comprehensive power support as your IT needs evolve.



APC management tools allow IT staff to **monitor multiple devices from a single interface**, simplifying operations and reducing maintenance time. With automated alerts for proactive issue resolution, they integrate seamlessly into existing setups for efficient management across all departments.



APC solutions enhance security by keeping critical systems like firewalls and monitoring equipment (cameras and access controls) powered, protecting sensitive student data. Additionally, **APC's software can generate regulatory standards compliance reports**, simplifying audits and assessments.

Empowering education with smart IT solutions

Uninterruptible Power Supplies (UPS)



APC-Back UPS

Provides essential battery backup to protect valuable equipment like computers and projectors during power outages, ensuring that classes can continue smoothly.



APC Smart-UPS

Goes a step further with advanced features and management capabilities, ensuring critical systems stay operational for both in-person and remote learning.



APC Smart-UPS Ultra

Up to 2.5x more power, 50% lighter, 50% smaller delivers higher power density in a smaller footprint with flexible mounting.

Racks & PDUs



NetShelter Wall-mount

Wall-mount server racks offer reliable, easy-to-deploy solutions for edge computing. Available in various sizes and configurations, and ships fully assembled.



NetShelter Soundproof

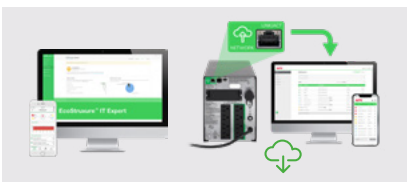
Deploy IT discreetly in customer areas with soundproofing, heavy server support, and an all-in-one design (fans, cable management, PDU, access control)—just add IT!



NetShelter SX & Easy Rack

NetShelter SX provides strength and organization for demanding IT environments, while Easy Rack offers fast installation with essential features at an affordable price.

Software



Smart Connect & IT Expert

Network-based secure remote monitoring for limited connected devices using SmartConnect and IT Expert for advanced vendor-neutral DCIM management.



PowerChute Network Shutdown

UPS management software with unattended graceful shutdown reducing downtime and protecting potential data loss or corruption during a power event.



NetBotz Appliances and Accessories

Integrated sensing and surveillance with access control, featuring various accessories for threat detection, including humidity, flood, fire and smoke.

Cybersecurity



APC boosts cybersecurity with its EcoStruxure IT platform and **Smart Network Services tool via Network Management Card (NMC)**, enabling real-time monitoring, advanced analytics, and optimized security for critical infrastructure, to protect sensitive data and ensure operational continuity.



Environmental Data Program

The Environmental Data Program by Schneider Electric is how we categorize, measure, and compare the environmental attributes and footprint of our products, **providing transparent access to different types of environmental data**. Click on the logo to find out more.