The world's knowledge doubles every 12 hours – how is it managed?

Doing more with less has become the norm – electronic infrastructures make the most of resources. The lesson? Today's education requires connectivity which means power.

20%
of world's data comes from the education industry

The goal: an anytime/anywhere digitally-enabled learning environment

Trends

- Student records, lab equipment, even parking rely on power
- Power loss halts learning
- 24/7 security/surveillance is a reality
- Distance learning requires constant connectivity

K-12

- Increased use of laptops/tablets = need for constant uptime and power efficiency
- Reducing costs and complying with regulations = high priority
- Parent-teacher conferences now use video
- Standardized testing migrating online

Higher Education

- Virtual desktop integration essential for blended/distance learning
- Mobile access expansion, increased security
- Infrastructure upgrades coming more frequently to ensure stable connections and resilience
- Everything uses data – stadium, dorms, dining hall, library, etc.

Identifying Opportunities

- Consolidation can spell savings of money and space
- Use of predictive and proactive tools is on the rise
- Hybrid cloud solutions becoming more common

Uncovering Opportunities

- Each school, division and department has its own IT needs/staff
- Involve IT, facilities and project managers from the outset
- Open-ended questions maximize information sharing (e.g. "What are you actively doing today to drive efficiencies and cost savings?")
- E Rate Government programs help schools recoup up to 90% of costs related to providing internet access

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Powering Business Worldwide

As seen here, power needs exist throughout all campuses. Keep an open mind as you are doing site visits and consider inviting an Eaton Salesperson to tag along. You'd be amazed by the power needs that can arise.

1. Security office
2. Administration offices
3. Network closets near classrooms and labs
4. Lighting and security cameras throughout campus
5. Sports complex
6. Residence halls

Success Story: South Dakota, US

Challenge: The school was looking to put a comprehensive power protection solution in place that could not only allow students hands-on learning, but also safeguard all IT equipment.

Solution:

9PX UPSs for reliable power and future expansion

Monitored and metered ePDUs for precise control

Network cards enable communication from hardware and enhance cybersecurity

Rack enclosures protect and organize hardware

Environmental monitoring probes keep notify team about temperature and humidity issues

Results: The Eaton solution facilitates an end-to-end learning environment while simultaneously protecting equipment.

> **Click to read the full success story online**

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