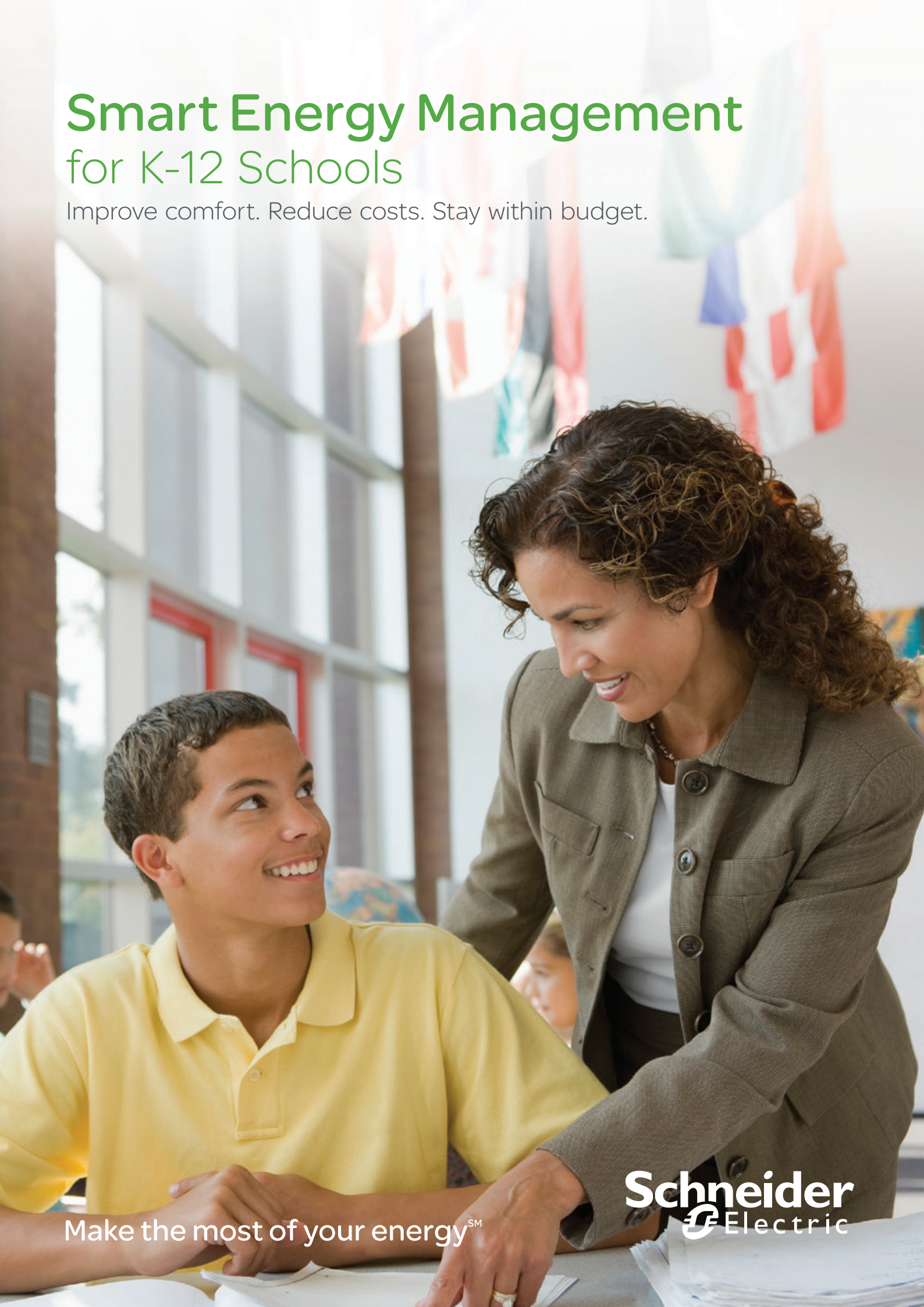# Smart Energy Management
for K-12 Schools

Improve comfort. Reduce costs. Stay within budget.

Make the most of your energy℠

Schneider Electric

Affordable building management is now within reach for most schools

K-12 schools face never-ending budget challenges. These challenges are made even harder by rising energy costs. Schools spend more on heating, air conditioning, and lighting than on any other expense except for personnel.* With only simple thermostats for temperature control, and on-off switches for lighting, the typical school has little choice but to keep paying the energy bills that continue to rise.

Now Schneider Electric, a global leader in energy management, has developed a solution that addresses this challenge—and it's a solution that fits within just about every school's budget constraints.

Enhance the learning environment

Cut energy waste & costs. Proactive energy management reduces energy waste in empty classrooms. Smart room controllers can be managed remotely, and can even sense when the classroom is unoccupied or in use.

Create a better learning environment. Maintain classroom environments at optimum levels for enhanced comfort – and learning.

Adjust to changing schedules. The Schneider Electric solution adapts easily to unexpected school cancellations and other schedule changes – so no energy is wasted.

Reduce repair costs. If the HVAC unit gives out, repair costs are high and schedules are disrupted. Get alerts about equipment performance and avoid costly emergencies.

Make your maintenance team more effective. Our building management solutions do more, allowing your maintenance staff to do more too.

Manage your energy use. Manage HVAC and lighting from anywhere. Set up schedules. Even manage multiple classrooms and buildings from one location.

Achieve quick ROI. Our solutions respect your budget and save your school more money – all while delivering a faster ROI. Now, that's smart energy management.

Did you know?

> K-12 schools spend more than $8 billion (€7 billion) annually on energy.*

> Green schools save more than $12/f² (€ 105/m²) in energy costs.**

> Schneider Electric solutions can deliver up to 30% in energy savings.

*www.centerforgreenschools.org

"It is very important that we are energy efficient. Every dollar we don't spend on energy is one we can use toward educating our students." -Davis School District, Utah

Building control solutions that are tailor-made for schools

Schools must operate on strict annual budgets, yet advanced building management systems can require a sizeable investment. Schneider Electric solves this problem by offering a scalable approach that can be expanded year-by-year, generating energy savings that pay for the investment as you go.

Our application-specific room controllers can be used stand-alone, connected with remote sensors, wirelessly networked with our SmartStruxure Lite solution, or connected to a central BMS with building analytics, giving your school the solution and the growth path needed to fit your goals and your budget.

A fully scalable solution

> Start with smart controllers to manage lighting and air conditioning to create a perfect environment in each room.

> Include CO_2 sensors to monitor and control air-quality.

> Add occupancy sensors so lights and HVAC turn on and off automatically based on actual use.

> Add window and door sensors to adjust temperature settings automatically.

> Add a security option that alerts faculty of a "Shelter In Place" with a change in background color for the hearing impaired.

> Network wirelessly to monitor and control the school environment anytime, anywhere.

> Deploy across a campus or district and manage all your facilities holistically.

> Eliminate repair and maintenance headaches. Let our service bureau answer system alerts and dispatch repair teams, day or night.

Did you consider?

> It's not just about savings, it's about health and academic performance.

> Research shows that health and productivity are directly related to building design and operation.**

> Green schools have reduced absenteeism by 15% and increased student test scores by 5%.**

> Schneider Electric solutions can include CO_2 sensors to help ensure a healthy environment.

**Greening America's Schools Costs and benefits, G. Kats

Web-based dashboard. Manage your school environments anytime, anywhere.

From the classroom to the boardroom, choose the design that's right for you.

SE8000 Series Room Controllers

SE7000 Series Room Controllers