



# Smart Schools Start Here

**INTELLIGENT  
ENERGY  
SOLUTIONS  
FOR K-12**

## **WHY K-12 SCHOOLS?**

K-12 schools are evolving, and so are the demands on their infrastructure. Rising energy costs, increasing sustainability mandates, and the need for safe, connected environments are driving a shift in how schools are powered and managed.

## **WHY NOW?**

- Maximizing energy efficiency is critical as utility rates continue to climb.
- Modern classrooms need to support focus, comfort, and productivity
- Safety and security systems must integrate seamlessly with power and data infrastructure

## **FAULT MANAGED POWER FROM PANDUIT**



- Supports safe, efficient long-distance DC power delivery that meets UL 1400-1 standards for performance and fault protection
- Reduces implementation risks and enables direct connection to PoE switches
- Engineered for fast deployment, scalable and efficient low-voltage school infrastructure

## **SMART BUILDING INTEGRATION WITH CISCO & MHT**

- Pairs MHT's Inspextor with Cisco's PoE for smart lighting, vape detection, shade automation, and energy monitoring.
- Provides measurable energy savings through LED PoE fixtures
- Delivers actionable insights into occupancy, usage, and system performance

**LET'S BUILD SMARTER SCHOOLS TOGETHER!**

# Benefits for K-12 Schools

- **Sustainability & Cost Savings** – Reduce lighting energy consumption by 75% or more
- **Student & Staff Well-Being** – Enhance comfort, focus, and safety in smart spaces with vape detection, occupancy monitoring, and system fault alerts.
- **Improved Security** – Leverage encrypted infrastructure for critical systems
- **Scalability & Future-Proofing** – Adapt easily to future technology needs
- **Fast Deployment** – Simplified installation minimizes cost, complexity and labor in new builds or retrofits



## Future-Proofing School Infrastructure

FMPS and PoE supports high-bandwidth applications and scalable power needs without expensive electrical upgrades. Whether integrating new smart technologies, upgrading lighting, or improving operational efficiency, this solution ensures a reliable foundation for the future of new and existing schools.

## Why This Matters for K-12 Decision-Makers

Traditional Lighting

FMPS + PoE

### Up to 14% Lower Installation Costs

Ideal for modernizing schools affordably, whether building a new school or retrofitting.

### Up to 40% Lower Operational Costs

Delivers long-term savings through efficient power and automation.

### Reduce Environmental Impact with Efficient Infrastructure

Align with sustainability initiatives and support long-term budget goals.



## LET'S BUILD SMARTER SCHOOLS TOGETHER

Schedule a consultation to learn how integrated PoE and FMP solutions can power the next generation of education.

Contact us today

