



Objectives

- Position the company for long-term future growth
- Increase employee collaboration
- Serve an expanding global employee and customer base
- Create an environmentally sustainable and healthy place to work
- Act as a model that could be replicated in other Panduit facilities around the world

Awards

- LEED Gold Certified – April 2011
- Oracle – Enable the Eco-Enterprise Award
- Realcomm Digie – Best Use of Automation: Corporate Real Estate
- Security Technology Executive Innovation Award – Silver Medalist
- American Institute of Architects, Chicago – Award for Design Excellence
- Regional ASHRAE – Excellence in Engineering
- Illuminating Engineering Society (IES) of North America – Award of Merit

Unified Physical Infrastructure



PANDUIT[®]

building a smarter,
unified business foundation

Connect. Manage. Automate.

Panduit World Headquarters Quantified Benefits

Panduit has always looked to its people to create sustainable solutions that make a difference, and the WHQ project was no exception. The overall costs associated with meeting LEED Gold criteria were approximately 2% of the total construction budget, with an estimated payback period of less than 5 years.

Organizational Opportunities

Quantified Benefits

Enhanced Functionality and Cost Effectiveness

- UPI-based design and system implementation
- Enhanced reliability, building system efficiency, convergence
- Reduced materials cost
- Eliminate multiple levels of (sub)contractor markup
- Increased pricing leverage/simplified contract management
- Use PoE to reduce need for higher voltage power installation and deploy less conduit
- Use zone enclosures to reduce control systems footprint

- LEED Gold design standard based construction with payback < five years
- \$.63/square foot/year operational savings
- Reduce cabling cost by up to 10%
- Converge networks at design phase to reduce number of networks, cables, and associated contractors
- Reduce operational expenses
- Reduce outlet requirements by up to 25%
- Optimize connected building real estate, reduce required space by up to 67%

Energy Efficiency

- Smart data center with an intelligent infrastructure (60% virtualized)
- Light/shading controls
- Underfloor heating/cooling
- Water reclamation system

- 15% reduction on data center power costs, 38% reduction in cooling costs, 10% space savings
- \$70,000/year savings in energy
- More efficient to heat/cool inhabited space rather than upper ten plus feet
- Reduce annual water usage by 30%

Productivity

- Centralized/remote management enables efficient oversight
- Collaborative workspace environment
- Open workspace to promote creative thinking and teamwork

- Increase staff productivity up to 25% – 30%
- 300% increase in collaboration zones
- Migrated from 70% private office/30% open plan to 10% private office/90% open plan

Maintenance

- Real-time information sharing and intelligent fault detection
- Enable future reconfigurations

- Achieve utility savings up to 10%, reduce downtime
- New applications utilize converged network backbone, reduce reconfiguration costs up to 20%



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