**PANDUIT** ®

### case study

## Johns Hopkins Bloomberg School of Public Health

**www.jhsph.edu**

*Location:*
**Baltimore, MD, USA**

*Vertical Market:*
**Education and Healthcare**

*Application:*
**Teaching and Research Facility**

**www.panduit.com**

# *PANDUIT Strategic Supplier for Largest School of Public Health in the World*



**Johns Hopkins Bloomberg School of Public Health Wolfe Street Building**

As a leading international authority on public health, the Johns Hopkins Bloomberg School of Public Health (JHSPH) is dedicated to protecting health and saving lives. Every day, the School works to keep millions around the world safe from illness and injury by pioneering new research, deploying its knowledge and expertise in the field, and educating tomorrow's scientists and practitioners in the global defense of human life.

High quality Information Systems support is an integral factor in the success of today's public health professional. The JHSPH Information Systems team deploys technology to enhance the productivity, learning and research experience of the School's faculty, staff and students. In deploying their Anytime-Anywhere strategy, they make the computing, networking and communications resources of the School available 24 hours a day, 7 days a week, 365 days a year both on-campus and off. The Information Systems team also provides comprehensive and customized services to faculty and administrators that streamline and secure survey data collection, project management, computer purchasing and networking.

# Johns Hopkins Bloomberg School of Public Health

## The Challenge

The initial project for JHSPH began with the cabling infrastructure upgrade at the Wolfe Street Building in Baltimore, MD. JHSPH needed to replace their existing unreliable thick-net and thin-net network cabling with a new high performance, scalable structured cabling solution. "It was very important to us to minimize troubleshooting and isolate problems to a single point of failure," stated JP Garvin, Assistant Director of Information Systems at JHSPH. This was the first in a series of installations as the organization grew.

## Criteria for Selection

When first evaluating potential solutions for the Teaching and Research facility, JHSPH had to take a number of factors into consideration. The primary objective was to implement a structured cabling solution that offered reliability and performance. This was essential to support mission critical data traveling on the network. From writing grants, to scientific experiments, to systems access for faculty, staff and students, a dependable, high performance infrastructure was required.

Flexibility and scalability were also important to meet the changing needs of JHSPH. The new solution had to be easy to upgrade, troubleshoot and maintain. Architectural obstacles had to be overcome. With space at a minimum, for example, two elevator shafts were converted into telecommunication closets. It was important that the new solution provide design flexibility and maximum port density in minimum floor space.

A single warranty point of contact for cable and connectivity was required. JHSPH wanted a solution that offered a comprehensive warranty based on open architecture. Length of warranty and product quality were also evaluated as JHSPH planned to utilize the new infrastructure for many years.

As the teaching and research facilities were breaking new ground in the scientific and health arenas, the Information Systems Department needed the ability to deliver technology to help JHSPH achieve their Anytime-Anywhere networking strategy. This mandated a partnership that proactively communicated new products and a collaborative venue to discuss optimal methods of implementation.

The criteria to select *PANDUIT* as a JHSPH Strategic Supplier was ultimately the end-to-end solution offering, design innovation and proactive relationship, as well as world-class installation and support.

### *PANDUIT* Preferred Products

*PATCHRUNNER*™ Vertical Cable Management System

*MINI-COM*® Jack Modules with *GIGA-TX*™ Technology

*MINI-COM*® SC and ST Fiber Optic Adapter Modules

*OPTICOM*® Fiber Optic Enclosures

*PAN-WAY*® LD Profile Non-Metallic Surface Raceway

## Why PANDUIT?

### Complete Solutions

PANDUIT is a global leader in network connectivity, delivering end-to-end solutions from the work area to the telecommunications room in support of the most demanding network requirements. The quality, performance and reliability of the PANDUIT offering ensure seamless integration and system operability from a single source supplier with global partners. Upon installing the PANDUIT structured cabling solution, JHSPH experienced these benefits and was able to immediately improve IT productivity and deliver new technologies. Some of the services running over PANDUIT structured cabling solutions include distance learning, desktop video conferencing and web portals.

### Reliability and Performance

From reliable jack terminations to cable management solutions that protect and manage cables with a proper bend radius, PANDUIT innovations have provided the school with a dependable, high performance warranted infrastructure. "PANDUIT provides us with a reliable infrastructure that allows us to focus on delivery of new technologies and services that operate above layer one. There are no troubleshooting issues, the solution works and we know it works," said JP Garvin.

### Flexibility

PANDUIT MINI-COM® modules work with outlets, boxes and patch panels to provide absolute modularity across the entire solution. Modularity combined with space saving features offered JHSPH design flexibility as well as convenient troubleshooting and maintenance. Built-in system scalability delivers the future ready features needed to support the evolving needs at JHSPH.

### World Class Dedicated Sales and Support

PANDUIT world-class quality and service includes a dedicated global Sales team as well as Certified Designers and Installers. The consultative approach and personal service from highly qualified industry experts made the JHSPH project a true success. The PANDUIT Certified Installer Program ensures that the Panduit Cabling System is installed properly and 100% tested to verify compliance with TIA/EIA standard performance requirements. "We know that when we get somebody who is PANDUIT certified to do the installation, it's going to be done right and be done right the first time," JP Garvin added.

*"The PANDUIT infrastructure supports streaming media that originates from our studio, and passes through our servers and out to the Internet through live talk sessions."*

*— JP Garvin*

## The PANDUIT Solution



Since the initial project over ten years ago, *PANDUIT* solutions have become the standard for the expansions throughout the school. Today over 20,000 drops spanning a total of five buildings have been installed. *PANDUIT* continues to be the strategic supplier for JHSPH. Future successes will build on the *PANDUIT* Architecture for Converged Technologies (*PACT*™) Program and opportunities surrounding a best in class solution.

"The products, programs and on-going support we receive make our vendor relationship with *PANDUIT* truly strategic for our organization," JP Garvin concludes.

Pictured, from left: JP Garvin (Assistant Director of Information Systems), Charles Moore (Structured Cabling Engineer) and Dean Manzoni (*PANDUIT* Data Comm Specialist).

## Framework for Convergence



The *PANDUIT* Architecture for Converged Technologies ( *PACT*™ ) program brings together a community of best-in-class technology leaders, including Cisco Systems and APC to address the infrastructure considerations surrounding IP telephony and other critical voice, video and data applications. The proven compatibility of these complementary solutions assures that the network will effectively support the technologies being deployed.

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## World Leading Technology World-Class Service



- Enterprise – Commercial
- Enterprise – Institutional
- Service Provider
- Original Equipment Manufacturer
- Electrical Construction & Maintenance

### WORLDWIDE SUBSIDIARIES AND SALES OFFICES

*PANDUIT* CANADA
Markham, Ontario
Phone: 800.777.3300

*PANDUIT* EUROPE LTD.
London, UK
Phone: 44.20.8601.7200

*PANDUIT* SINGAPORE PTE. LTD.
Republic of Singapore
Phone: 65.6379.6700

*PANDUIT* JAPAN
Tokyo, Japan
Phone: 81.3.3767.7011

*PANDUIT* LATIN AMERICA
Jalisco, Mexico
Phone: 52.333.666.2501

*PANDUIT* AUSTRALIA PTY. LTD.
Victoria, Australia
Phone: 61.3.9794.9020

For a copy of *PANDUIT* product warranties, log on to www.panduit.com/warranty

**For more information contact *PANDUIT***

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