A long-term solution was also a key objective for the hospital, as innovations and upgrades that impact daily operations are highly unstable in the hospital setting. Therefore, installing an infrastructure that is both innovative and long-term needs was a must. Today, EMHC uses only a fraction of its installed capacity, and no upgrades that interrupt day-to-day operations are highly undesirable in the hospital environment, and a foundation for continuous technological advancement.

Panduit’s Unified Physical Infrastructure approach to design and development integrates critical systems – communication, computing, power, control, and security – in a single, easy-to-manage network infrastructure. By standardizing on a UPI-based reference architecture and implementing Panduit technologies, healthcare facilities such as EMHC can achieve high availability and scalability, and keep-up with new advancements, thus providing the highest quality of medical care.

Panduit’s Unified Physical Infrastructure

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The hospital chose Panduit’s copper and fiber solutions to provide a secure and reliable network as the platform for centralized record-keeping, facility monitoring and management, control of information systems, and building functionality across the hospital campus. Panduit’s UPI approach has allowed EMHC to achieve nearly perfect reliability and quick scaling up to accommodate additional users, computers, and technologies. The powerful network provides underpinning across the networked environment, and a foundation for continuous technological advancements.

Real-World Solutions

With a proven reputation for excellence and innovation, Panduit and our partners work with you to overcome challenges and implement real-world solutions that create a competitive business advantage. Panduit offers the integrated range of solutions, from data centers and intelligent buildings to manufacturing operations, to help you build a smarter, unified business foundation.

Technology Leadership

Panduit develops innovative physical infrastructure solutions that meet the rapidly changing needs of our clients, from hardware and software to advisory services. This commitment is supported by investment in advanced research, solutions-focused product development, world-class manufacturing, and collaboration with customers at the forefront of technology.

Partner Ecosystem

Our team of partners offers a comprehensive portfolio of services that span the project lifecycle, from planning and design to delivery, deployment, maintenance, and operation. Panduit business partners – distributors, and certified architects, consultants, engineers, designers, system integrators, and contractors – are qualified to help you achieve your objectives and realize predictable and measurable results.

Strategic Alliances

Panduit partners long-term strategic alliances with industry leaders, including Cisco Systems, EMC, IBM and Rockwell Automation, to develop, optimize, and validate solutions for our customers. This investment in people and resources helps secure our customers’ greatest business challenges.

Global Business Commitment

Panduit is committed to delivering a consistently high level of quality and service worldwide. With a presence in more than 100 countries, local Panduit sales representatives and technical specialists offer guidance and support that bring value to your business. Our global supply chain, which includes in-house manufacturing, customer service, logistics, and distribution networks, ensures prompt responses to your inquiries and streamlined delivery to any worldwide destination.

Sustainability

With a commitment to environmental sustainability, Panduit develops and implements solutions that reduce, reuse, and recover the world’s waste. This commitment is demonstrated by Panduit’s ISO 14001 certified environmental management system, which leverages the Unified Physical Infrastructure approach to enable convergence of critical building systems to drive energy efficiency and ongoing operational improvements.

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Visit www.panduit.com/datacenter
Panduit Solution
Building an acute care hospital from the ground up offered EMHC a unique opportunity to closely scrutinize every detail to ensure its patients and staff are provided the highest quality of care. To that end, the hospital was designed with cutting-edge technology and best-in-class materials, ensure that the facility and its services would not only meet the needs in each closet. Cable management includes NetManager™ Horizontal Faceplates, Patch Cords, Patch panels, fiber faceplates, fiber adapter panels, and LC connectors create a complete end-to-end Panduit infrastructure solution.

Panduit cables and Cisco switches drive the infrastructure, which includes a number of high-speed “ corridons” within the hospital. These include an “ Oracle” corridor, which houses critical systems and provide staff and patients unimpeded access to resources.

Hospital Introduces Intelligent Design to the Strength of Panduit’s End-to-End Enterprise Solution
Emghurst Memorial Healthcare (EMHC) relied on a Panduit Unified Physical Infrastructure-based solution to create a campus-wide network that places the most advanced equipment and techniques in the hands of top medical talent, and creates a home for high-level medical services.

Strategic Objectives
Technology was an integral piece of the healthcare solution that EMHC wanted to offer to systems that make their stays more comfortable. These advances are smart from a Business Benefits
Panduit’s Unified Physical Infrastructure™-based Enterprise and Data Center Solutions enabled EMHC to optimize its infrastructure, helping EMHC to sustain its reputation of providing the highest quality of care in the community.

Emghurst Memorial Healthcare (EMHC) relies on a Panduit Unified Physical Infrastructure-based solution to create a campus-wide network that places the most advanced equipment and techniques in the hands of top medical talent, and creates a home for high-level medical services.

Business Benefits
To provide a robust, reliable, and scalable future growth.

To significantly enhance the hospital’s ability to support critical applications and technologies.

To streamline access and improve patient flow.

To improve patient care and reduce errors.

To improve patient care and reduce errors.

To reduce costs and improve efficiency.

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Panduit’s Unified Physical InfrastructureSM-based approach to design and build solutions takes a long-term view toward a project’s needs. For EMHC, this meant keeping the solution flexible enough to allow for growth and technology upgrades. "I know we've had concerns about the solution's future growth, but Panduit's UPI approach was very important," said Matt Sterling, EMHC's Director of Information Services. "As our needs changed, Panduit was able to evolve with us, expand the infrastructure, and always think ahead. This allowed us to get the solution we wanted up and running right away. Panduit understands our needs as a fast-growing healthcare facility and has provided us with the support and guidance to ensure that our infrastructure will meet our growing needs for the long term." Panduit’s commitment to support us and Elmhurst Memorial Healthcare officials have peace of mind that the solution will meet its long-term needs. A long-term solution was also a key objective for the hospital, as renovations and updates to the hospital facilities are expected to continue well into the future. Therefore, installing an infrastructure that met both immediate and long-term needs was a must. Today EMHC uses only a fraction of its installed capacity, and strategic planning in the past has allowed for additional expansion in the future. The hospital chose Panduit’s copper and fiber solutions to provide a secure and reliable network as the platform for centralized record-keeping, facility monitoring and management, control of information systems, and building functionality and communications across the hospital’s campus. Panduit’s Unified Physical Infrastructure approach is designed to reduce total cost of ownership (TCO) by deploying an architecture that integrates Panduit technologies, healthcare facilities such as EMHC can achieve high availability and scalability, and keep up with new advancements, thus providing the highest quality medical care.

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The new Elmhurst Memorial Hospital places the most advanced equipment and techniques in hands of the area’s top medical talent and creates a new home for high-level medical services to continue to grow and thrive,” said Leo Fronza, former CEO, Elmhurst Memorial Healthcare.

Panduit Solution
Building an acute care hospital from the ground up faced EMHC a unique opportunity to carefully study every detail before its patients were admitted. In this instance, the facility was designed with a purposeful focus around the unique needs of patients and the healthcare services EMHC provides.

• 10Gig™ UTP Copper Cabling System with TX6A™ 10Gig™ Copper and Opti-Com® Fiber backbone enable electronic medical record, IVs, lab results, and other test results to be cleared electronically.
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Elmhurst Memorial Healthcare (EMHC) relied on a Panduit Unified Physical Infrastructure®-based solution to create a campus-wide network that places the most advanced equipment and techniques in the hands of top medical talent, and creates a home for high-level medical services to continue to grow and thrive.

Business Challenges

Elmhurst Memorial Healthcare faced the challenge of creating a healing environment that would be functional years into the future. One of the key features in selecting the cable was headroom performance, which provides both superior internal electrical performance and alien crosstalk suppression beyond the TIA/EIA Cat 6a standard. In addition, thiscable allows the industry standard also eliminated the need for alien crosstalk testing that provided significant time and cost savings to the project.

The hospital introduces intelligent design built on the strength of panduit’s end-to-end enterprise solution

Panduit Solution

Building an acute care hospital from the ground up offered EMHC a unique opportunity to create a facility where staff and patients could work and live together.

Business Benefits

Elmhurst Memorial Healthcare (EMHC) relied on a Panduit Unified Physical Infrastructure®-based solution to create a campus-wide network that places the most advanced equipment and techniques in the hands of top medical talent, and creates a home for high-level medical services to continue to grow and thrive. The hospital introduces intelligent design built on the strength of panduit’s end-to-end enterprise solution.

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Panduit’s Unified Physical Infrastructure

Panduit’s Unified Physical Infrastructure™-based approach to design and development integrates critical systems—communication, computing, power, control, and security—into a single, easy-to-manage network infrastructure. By standardizing on a UPI-based reference architecture and implementing Panduit technologies, healthcare facilities such as EMHC can achieve high availability and scalability, and keep up with new advancements, thus providing the highest value to your business. Our global supply chain, which includes manufacturing, customer service, logistics, and distribution partners, provides prompt response and ongoing operational improvement.

Panduit develops innovative physical infrastructure solutions that meet the rapidly changing needs of our clients, from hardware and software to advisory services. This commitment is supported by investment in advanced research, solutions-focused product development, world-class manufacturing, and collaboration with customers at the forefront of technology.

Partner Ecosystem

Panduit works closely with our partner ecosystem to ensure our customers have the best options and maximum value for their investment. Panduit partners—distributors, system integrators, and contractors—are qualified to help you achieve your objectives and meet predictable and measurable results.

Strategic Alliances

Strategic alliances form long-term strategic alliances with industry leaders, including Cisco Systems, IBM, and Rockwell Automation, to develop, optimize, and validate solutions for our customers. This investment in people and resources enables us to help you overcome your most challenging business objectives.

Global Business Commitment

Panduit is committed to delivering a consistently high level of quality and service the world over. To ensure a presence in more than 150 countries, local Panduit sales and representatives and international specialists offer guidance and support that rang from the project kickoff to ongoing support and maintenance.

Sustainability

With a commitment to environmental sustainability, Panduit develops and implements solutions that protect, replenish, and restore the world in which we live. This commitment is demonstrated by Panduit’s LEED Gold certified World Headquarters and our ongoing efforts to conserve energy and reduce our environmental footprint. Panduit’s LEED Silver certified World Headquarters implements the Unified Physical Infrastructure™ approach to ensure convergence of critical building systems to drive energy efficiency and ongoing operational improvement.

With a proven reputation for excellence and innovation, Panduit and our partners work with you to overcome challenges and implement real-world solutions that create a competitive business advantage. Panduit offers the integrated range of solutions, from data centers and intelligent buildings to manufacturing operations, to help you build a smarter, unified business foundation.

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