



*To sustain the fast paced business world, various communication systems must be integrated for optimal performance. Our philosophy is founded on the importance of really listening and suggesting a structured cabling solution that best fits the needs of your organization. Our experience has shown that a properly engineered and implemented structured wiring system saves money, reduces system down time, and provides cost effective future network growth for our clients.*

### TELEPHONE SYSTEMS

In addition to making interconnections, installing cable, and telephone relocation programming, we troubleshoot operational problems from the telephone equipment to the end-user telephone device.

### DATA NETWORK

We have the experience and knowledge necessary to design, install, and certify the most cutting-edge structured cabling solutions available.

### COPPER AND FIBER OPTIC BACKBONE AND CAMPUS

Cabling solutions include horizontal, vertical, inside/outside plant, aerial and buried backbone services.

### PAGING AND BACKGROUND MUSIC

We are the experts to install paging and music systems in retail, industrial, commercial, and institutional facilities.

### ACCESS CONTROL AND ADA COMPLIANT

We install the hardware for biometrics, egress devices, locking hardware, multi-door access, personal identification, fingerprint, and keyless entry technology.

### CLOSED CIRCUIT TELEVISION

We coordinate and install applications that involve color or black and white cameras, monitoring stations, video badge systems, CCTV recorders, multiplexes and observations systems.

### ALARM SYSTEMS

Always standing on the forefront of technology, we are experienced in the installation of leading-edge monitoring systems.

### OUR CUSTOMERS SAY...

"The engineers at Uihlein Electric made our project requiring a sophisticated network of computers, telephones, paging and security system look so easy. We were very impressed with their attention to detail."



## Health Care History

**Froedtert Memorial Lutheran Hospital** Complete renovation of West Hospital 5NE, 5NW, 5SE, & 5SW. Removed all abandoned cabling and installed a structured cabling Systimax installation using Category 6 data and Category 5e voice cabling. Installations for both single-mode and multi-mode optical fiber backbone cabling between the IS.

**Waukesha Memorial Hospital** Provided conduit and raceway for low voltage system for data and voice cabling. Installed and terminated fiber optic and LAN cabling.

**Columbia Hospital** Provided voice and data cabling to the hospital's existing network. Installed and terminated multi-pair instrumentation cable for imaging system.

**St. Mary's Hospital** Fiber optic system, Category 5 LAN complete voice/data vertical and horizontal systems for the west addition.

**Community Memorial Hospital** Upgraded existing voice and data system from Category 5, 5e to Category 6. Upgraded fiber backbone from 62.5/125 to Lazer Optimized 50 micron.

**Heart Hospital of Milwaukee** Complete Hubbell / Mohawk structured cabling installation for voice and data.

**VA Hospital** Just under way, a complete renovation of 4th floor C wing. Remove and reinstall all voice, data, CCTV and nurse call systems in wing.

## Commercial and Industrial

**Allis Communications** Upgrading Allis Chalmers building with new cabling infrastructure including Category 3, 5e, 6, fiber and copper backbones. This location is now being used for new tenants.

**Potawatomi Bingo and Casino** 255,000 square foot facility. Project components including gaming areas, a theatre, five restaurants, cash count areas, corporate office, and a parking structure.

**Lindnar & Marsack** Office remodel with installation of (175) Category 5e voice/data cables, (3) CATV cables and all the associated backbone cabling.

**USDA Forest Service** Install Category 5 data system at regional headquarters.

**WDJT (TV-58)** Design and installation of fiber optic and data wiring for news room and broadcast set.

**Milwaukee Endoscopy** Upgrade of existing voice/data infrastructure to accommodate new construction and office renovation. Included in this upgrade was (19) Category 3, (20) Category 6 cable runs and 1 backbone.

**Zilber Ltd** Provide structured connectivity solution that includes Category 6 for voice/data with a Category 6 backbone. Establishing a new equipment room with installation of wall mounted data racks and installing a new G37 telephone system.

**Baker & Baker** Reconfiguration of main equipment room with an addition of 2 telecommunication rooms in manufacturing area. Included in this project was 50-micron fiber backbone cabling and (176) Category 6 cables. We also provided cable demolition per code in the main office area.

**Sigma Environmental** New office location structured cabling system with Category 6 cables for both voice and data as well as a three-zone paging system.

**Systems Inc.** Upgrade and addition to existing voice/data structured cabling system.

**Budgetel Reservation Center** Design/build new national call reception center.

**Hayssen Mfg Co.** Relocation of voice/data MDF in an office and R&D facility.

**Krones Manufacturing** Fiber optic cabling for engineering department.

**Miller Brewing Company** Corporate computer center including engine generation, UPS and electrical for data processing.

**Milliman & Robertson** Installation of complete voice/data vertical and horizontal systems.

## Commercial and Industrial cont.

**Pabst Corporate Headquarters/Major Tenant Bank One** New primary distribution, complete building renovation, and LAN data center for the bank including telecommunications and data wiring.

**Rexnord** Installed computer center with back-up turbine generator at the corporate payroll center.

**Sensient Technologies** Voice and data installation.

**Starting Point** Installation of thin ethernet and Cat 5 LAN in a computer training facility.

## School Districts and Libraries

**Cedarburg School District** Voice/Data additions to the existing system for Thorsen, Webster Middle, Parkview Elementary, High School and the Administration Offices.

**Milwaukee Public Library** Installation of paging/wireless system using Category 5e throughout entire facility including 625 speakers and the associated hardware. Installation of Category 5e for wireless access points for 11 branch and 1 central library location.

**West Allis West Milwaukee** Additions to the existing infrastructure of the communication and data system for the Dotke, Middle, Franklin, Hale High and West Allis Central Schools using Category 5e.

**New Berlin School District** Installed a 24-strand, 50-micron fiber backbone and (15) Category 6 backbone cables at New Berlin West High School.

**Elmbrook School District** Demolition and new installation of communication cabling including: Category 5e LAN, Fiber backbone, and Coax video.

**City of Waukesha** Projects include administrative cabling upgrade, fiber optic installation, upgrades to Fire Station #1 and City Hall cabinet installation.

**Mid-Wisconsin Federated Library System** Installation of thin ethernet and Category 5 LAN.

**Milwaukee County Zoo** Upgrade voice/data cabling.

## FINANCIAL, INSURANCE AND DATA PROCESSING

**Bank One** Upgrades and additions to voice/data structured cabling for multiple banking centers and branch locations throughout Southeastern Wisconsin; Removal of 3270 coax system. Installation of vertical and horizontal voice/data UTP system; Removed existing cabling and installed new voice, Cat 5e LAN, and Fiber backbone cabling for call center.

**M&I Bank** Upgrades and additions to voice/data structured cabling for multiple banking centers and branch locations throughout Southeastern Wisconsin; PC teller and sales partner cable upgrade; New power and data installations; Fiber backbone design and installation.

**US Bank** Removal of 3270 coax system. Installation of horizontal UTP and STP voice/data systems.

**Northwestern Mutual Life Insurance** Installation of complete LAN voice/data vertical and horizontal systems and fiber optics in an 18 story office building.

**West Bend Insurance** Installation of 3000 feet of a 12-strand 50-micron indoor/outdoor rated optical fiber.

**NSI Insurance** Upgrades to the First, Second and Third floor which consisted of an installation of Category 6e and a 50-micron fiber backbone for an updated system. Additionally, (50) pair of copper backbone cable was installed on the Third floor to the demarcation.

**American General Insurance** Renovation that required modifications to Category 5e cabling. This renovation included re-use/re-install of (50) voice/data locations and (100) new voice/data locations.

**Deluxe Data** VFD installation.