

# Vanderburgh County Court System Data Communications Infrastructure

Matrix Integration recently designed, furnished and installed Network Infrastructure Products & Telecommunications Cabling at the Vanderburgh County Court System located in Evansville, IN.



The Vanderburgh County Court System recently contracted with Matrix Integration, LLC to provide consulting and design services for the county's new high-end data communication system.

The design of this project was critical. The length of time needed for research and planning, bid preparation and evaluation and, ultimately, actual ordering the physical implementation and configuration of the solution were estimated at taking in excess of twelve months. With this in mind, Matrix Integration's challenge was to design a solution that would be best-of-breed today, yet scalable in keeping with the Court System's predicted growth over the coming years.

While this implementation was mostly a "forklift" upgrade, Matrix Integration designed the solution from the ground up utilizing the benefits of many different products and services. The products and requirements for the implementation of the solution are outlined below. Upgrading to a high-speed network, high-end servers and workstations, and overall network and client management were integral parts of the installed solution including, but not limited to:

- High-end Fault Tolerant Compaq ProLiant Servers
- High-end Compaq EVO PC's with TFT monitors
- High-end Compaq StorageWorks Storage Solution
- Altiris Management for entire network
- High-speed Cisco and HP networking equipment
- Sophisticated asset tagging and labeling
- Wide Area connection of remote sites
- Dial-in solution for remote users
- Multiple Software upgrades

Vanderburgh County chose Matrix's recommendation by selecting Compaq as the manufacturer of choice. Being a critical installation for the court system, Compaq was the recommended choice for many reasons — reliability and support being two key factors.

Many application servers were deployed to perform the courts high-end software needs. Several of these servers would house specific court system software. Other servers were deployed to control tasks such as Citrix dial-in for remote users, storage requirements and the Altiris Network Management Suite.

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The courts also wanted an effective way of managing this complex network since the solution would be serving several hundred users. Altiris software was implemented throughout the network to fulfill this requirement. Altiris has multiple high-end support features which greatly reduces the amount of time needed to support such an environment. Nearly all software driven tasks can be performed from the administrators desktop including software deployment and delivery, inventory, application metering, server monitoring, and carbon copy. Storage was another concern of the courts. They needed a single Terabyte of storage today, but wanted large expansion capabilities moving into the future. The StorageWorks foundation provided them with a terabyte of storage today with easy expansion capabilities of up to 8 terabytes in the future. Citrix Dial-in access was also implemented ... up to 60 simultaneous court users can dial into the courts network. The entire

solution was built to be a turnkey solution allowing for easy upgrading and expansion—and Matrix Integration was the project's Solutions Integrator!

## An inside look at Matrix Integration

**Matrix Integration** was founded over 23 years ago based on a single premise: One company that provides complete data and telecommunications solutions to local, regional, national and international clients. We provide customers with a *single point of contact* for network design, commercial infrastructure cabling, technology procurement, voice & telephony implementation and IT consulting—all backed by an extensive service and support capability.

Our employees are committed to bringing customer-centric solutions based on what you, the customer, want—not what we think you want. A balance of sales professionals, engineers, network designers, service technicians, and administrative personnel allows us to give our customers a total solution from concept through complete integration. *Teamwork* is our trademark and *Customer Satisfaction* is our mission.

## Matrix Integration is your *single source* for:

- Telecommunications Design & Consulting
- Voice and Voice Mail Systems
- Structured Cabling
- Procurement "Best Practices"
- Data Networking Design & Consulting
- Voice & Data Carrier Services



The market is flooded with "great deals" and "abundant resources" all with the customer's benefit in mind. "Value" is the key word and we know that you are going to be very selective with whom you do business. We have to earn your business each and every day, period. We've been doing just that with over 3000 customers for 23 + years.