



## Case Study

### CITY OF HOUSTON



**DYONYX is regarded as true technology partner with the City of Houston (CoH), having worked on consecutive projects, in every department over a four year period. We attribute our success with the City to our understanding of CoH IT Leadership, goals, projects and partners, as well as our security focused, comprehensive solutions and world class service.**

A summary of the work we have conducted is listed below with additional project summary details following:

- Vulnerability Assessment and Deliverables for CoH ITD;
- Executive Presentation to CoH Technology Steering Committee;
- Special Report: Security Overview and Analysis of SimDesk Deployment;
- Coordinated and participated in Security Day presentation to all CoH IT personnel;
- Secure Network Convergence consulting, analysis and design for HPD;
- Secure Server Integration Project Assessment for Houston Emergency Center/EMS;
- Policy, Technical & Physical Risk Assessment for CoH Dept of Health and Human Services;
- SQL and Oracle Applications Integration Consulting with Houston Emergency Center;
- City wide Cisco Network Implementation Project upgrading all twenty-two departments;
- Houston Police Department Network Security Pre-Convergence Implementation;
- CoH Public Works & Engineering SCADA Security Risk Management Assessment.

#### **City of Houston Network Implementation Project**

The City of Houston awarded a three year, multi-million dollar project to DYONYX to upgrade the City's Cisco network infrastructure, routers, switches, firewall configurations and Ethernet and CAT 5 cabling standard. This project, according to Cisco, is the single largest infrastructure undertaking at the City in the past five years, and the basis of supporting important application upgrades for the next 10 years, including the City's planned VoIP and ERP projects. DYONYX was selected out of a list of the largest IT integrators in the country including IBM Global Services, SBC, Unisys, Getronics among others, as a result of our demonstrated Cisco, security configuration, federal law enforcement standards, LAN/WAN support experience and sterling reputation serving similar local, state and federal customer requirements. The DYONYX Project Management Office successfully completed Phase I of the three phase project, on time, under budget and with **no unscheduled down time**. Phase II and III include: network recertification, site readiness, hardware deployment, testing, and training for the remaining 1,400 devices and 500+ City sites.



## **City of Houston Police Department Network Security Pre-Convergence Implementation**

DYONYX was awarded the Network Security Pre-Implementation Convergence Implementation (NSPCI) project by the Houston Police Department. This important project includes integrating the HPD primarily Novell network into the City of Houston's primarily Microsoft environment, while maintaining strict and secure communication standards and regulatory requirements. This encompassing secure convergence project includes testing and implementing point solutions from Novell, NetIQ, Blue Lance, Cisco and Unisys to converge mainframe to server to desktop security integration as well as unique regulatory requirements (TCIC/NCIC), documentation and training. DYONYX performed the strategic design work for HPD; and, this work with HPD truly represents the kind of end-to-end solution that DYONYX is well known for.

## **City of Houston Health and Human Services Department Risk Management Assessment**

DYONYX has helped CoH DHHS assess their administrative policy, technical controls and physical safeguards via a comprehensive risk management assessment for the Health Department's main campus facility. This comprehensive assessment required HIPAA regulatory compliance as well as sensitive but unclassified (SBU) elements to insure the confidentiality, integrity and availability of critical patient data is maintained throughout mission critical systems including Microsoft Windows Active Directory, Cisco based infrastructure and web based Oracle applications. These important projects culminate with a deliverable presentation to the HDHHS Board and knowledge transfer of specific recommendations to HDHHS IT personnel and partners.

## **Award Winning Customer Service**

DYONYX was nominated by City of Houston Chief Information Officer, Richard Lewis, to participate in the exclusive Executive CIO Summit, a distinction awarded to less than 40 of the best and brightest vendor / partners in Houston. DYONYX has developed a sterling reputation with federal, state and local government, and enterprise clients for providing world class technical excellence and service at reasonable rates while maintaining our integrity and honesty.



**Secure, Efficient Infrastructure Support**  
*for business, government and our country.*

**DYONYX LP**, is a privately held information technology and management consulting firm dedicated to helping clients across the nation improve their productivity and security and reduce their cost and risk through a proven set of methodologies, extensive experience, deep skills and world class service at reasonable rates.

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