



Project Experience

PM Scorecard

Client: WHPacific

Industry: Engineering, Architecture, Survey, Planning

Start: 10/2007 *End:* ongoing

Challenge: WHPacific (WHP) is a professional services firm with 9 offices located in 3 states. They use Deltek Costpoint accounting software and Cognos Powerplay for enterprise reporting. Both of these programs offer significant reporting functionality, but do not allow for WHP's PM Scorecard concept. WHP would like to measure each of their Project Manager's performance based on annual goals established by Office Managers at the beginning of the year.

Solution: ESI combined the power of ASP.NET with SQL Server 2005 Reporting Services (SSRS) to create the PM Scorecard application which was added to the existing WHP Intranet menu. The PM Scorecard process allows a single Administrator to manage the tracking process with very little effort. User information is integrated with MS Active Directory information. The system makes it easy to distribute and collect Annual Goal information from Office Managers. Once the annual goal data is in place, the system automatically updates itself with actual monthly figures from the Deltek Costpoint accounting system. Project Managers can view their PM Scorecard report online at any time. Upper management also has a number of graphical reports that assist with data analysis.

Long Term Airport Transportation Study (LATS) – Phase II Data Reporting

Client: Simat, Helliesen & Eichner, Inc.

Industry: Aviation Consulting, Professional Services

Start: 4/2007 *End:* 8/2007

Challenge: Simat, Helliesen & Eichner, Inc.(SHE) is a Boston, MA based consultant firm that was hired by WSDOT Aviation to conduct a "Long Term Area Transportation System Study". This study involved updating and modifying an existing SQL 2000 database which contains detailed information about all 196 public use airports in the Washington State. Phase II of this project involved data analysis and reporting.

Solution: After completing Phase I of this project, ESI assisted with data analysis and created reports to be included in the final deliverable to WSDOT.

WSDOT – Public Grants Tracking Database

Client: Washington State Department of Transportation – Public Transportation Division

Industry: State Agency, Transportation

Start: 5/2007 *End:* 7/2007

Challenge: Transportation Grants are funded on a biennial basis from both Federal and State resources. Once biennial grants are funded, grant dollars are then allocated to over 100 transportation related public entities. It is the Grants department's responsibility to track the funding, allocation, and payment of both Federal and State grant funds.

For many years the Grants department has been tracking grants with enormous, extremely labor intensive spreadsheets. An internal effort was planned to construct a MS Access database solution to take over Grant Tracking, but department staff was already overworked with day to day operations. With the next Biennium rapidly approaching, WSDOT contacted ESI to provide dedicated "fast-track" assistance and complete a robust Grants Tracking system in 2 short months.

Solution: ESI has worked with the WSDOT Grants department on various projects since 2002. Although the 2 month deadline to complete the application before the new biennium was extremely aggressive, ESI put in extended hours to complete GrantsDB on time and on budget.



Before designing the MS Access 2003 / SQL Server 2000 solution, ESI conducted an in depth business analysis of the WSDOT Grant department's operations workflow, and the data they track. A process workflow chart, data dictionary, and preliminary database schema were completed so that the end users were clear on the proposed functionality before the final product was completed. The business analysis phase also revealed many new ideas and opportunities for smart innovation.

ESI collected all existing spreadsheets and Access databases currently being used by the Grants department. The data was combined, analyzed, normalized and scrubbed for upload into the new SQL Server database structure. ESI developed the SQL database schema that was approved by WSDOT IT representatives and the MS Access 2003 front-end interface. After a brief pilot testing period, the Grants DB application was launched into production on time and on budget.

The final system includes functionality to efficiently track the following components in a centralized SQL database:

- o Grantee Contact Tracking
- o Grantee Site Visit Tracking
- o Grantee Federal Certifications & Assurances
- o Grantee Annual Audit
- o Grant Agreement Contract Tracking
- o Grant Agreement Quarterly Grantee Submittals
- o Grant Agreement County Allocation
- o Grant Funding Source Tracking
- o Grant Project Tracking
- o Project Invoice Tracking
- o Project Contacts

ProjectNet – Online Employee, Project, Clients and Promotional Effort Tracking

Client: Peterson Consulting Engineers

Industry: Engineering, Survey

Start: 3/2007

End: 7/2007

Challenge: Peterson Consulting Engineers (PCE) is a rapidly growing engineering company based in Kirkland, WA. PCE asked ESI to build a comprehensive Marketing and Project Experience Database to track information used in marketing efforts. Once ESI completed the web application design, the underlying database needed to be loaded with project experience from the Quickbooks accounting system. The information will be primarily used to support marketing efforts.

Solution: PCE's IT infrastructure is completely setup and administered by an external service provider. ESI worked closely with this provider to determine PCE's technology capabilities and current licensing. As with most standard installations of MS Small Business Server, PCE had all the tools they needed to support a robust ASP.NET 2.0 / SQL Server 2000 web application.

Best Practices Database (BPDB)

Client: City of Seattle – Department of Transportation

Start: 10/2006

End: 2/2007

Challenge: SDOT had the innovative idea of building a "Best Practices Database" where City staff and contracted consultants could store information about "best practice" lessons learned for various project types. From legal and billing issues to technical design comments, the database would need to record a wide range of relevant information. But perhaps most importantly, it was essential that the system be very user friendly so that adding a new Best Practice record was not a time consuming activity.

Solution: Because SDOT needed the application to be available to both internal City staff as well as external consultants, ESI recommended a web based solution. SDOT did not have the internal IT capacity



to host the BPDB web application, so ESI utilized www.webhost4life.com to host the ASP.NET / SQL Server 2000 web final solution. The online database is password protected, but otherwise the website is accessible to both external consultants and internal City staff. The website allows users to enter and search for "Best Practices" information.

The input page was structured to make it as easy as possible to input relevant database in an expedient manner. Multiple selection lists, drop-downs, yes or no, with adequate comment fields were all utilized to make input quick and easy. In order to avoid the age old problem of "garbage in, garbage out", a workflow was put in place that enables City Administrators to review and approve all new best practice entries. Each step in this workflow is facilitated by automatic email alerts which allow the Administrator to efficiently communicate with City staff and outside consultants.

Fees Earned Forecasting (FEF)

Client: WHPacific

Industry: Engineering, Architecture, Survey, Planning

Start: 11/2006 *End:* 1/2007

Challenge: WHPacific is a professional services firm with 9 offices located in 3 states. One way the WHP management team conducts enterprise resource planning is to try to predict expected earnings over 4 fiscal quarters into the future. These projections are called "Fees Earned Forecasts"(FEF), and are based on input from each individual Project Manager. FEF data was collected by passing out excel spreadsheets to 60+ Project Managers in three states on an annual basis. Once all spreadsheets were completed by all PMs, the data was manually compiled into one giant spreadsheet which attempted to summarize the data. This incredibly labor intensive process was essential to resource planning, but it was clear that there must be a better way!

Solution: Fees Earned Forecasting is an ASP.NET / SQL Server 2005 web application that added functionality to WHPacific's well established Intranet. The application enables all Project Managers to input fees earned forecasting numbers into a secured web application. When a Project Manager visits the FEF tracking page, that PM will only see their projects based on who is logged into the requesting PC. This eliminates the need for yet another password. Since PMs input their data directly into the underlying SQL database, detailed reports are instantly available. Administration of the system is also managed via an Administrator web page. The process of collecting Fees Earned Forecasting data is so streamlined that it is now possible to collect data on a quarterly basis. This and exceptional reporting capabilities make Fees Earned Forecasting a powerful little app!

Long Term Airport Transportation Study (LATS) – Phase I Data Collection, Modification and Verification

Client: Simat, Helliesen & Eichner, Inc. (SHE)

Industry: Aviation Consulting

Start: 3/2006 *End:* 1/2007

Challenge: Simat, Helliesen & Eichner, Inc.(SHE) is a Boston, MA based consultant firm that was hired by WSDOT Aviation to conduct a "Long Term Area Transportation System Study". This study involved updating and modifying an existing SQL 2000 database which contains detailed information about all 196 public use airports in the Washington State. SH&E contracted ESI to engineer and document modifications to the original database and to build a secure web interface that would allow Airport Managers to log in and update records in the current LATS database. In addition the LATS Online system included a project management feature that enabled the SH&E team to review and confirm each airport manager's input. The system also tracked overall project progress.

Solution: This project began several months behind schedule due to funding delays and thereby ESI was challenged with an extremely aggressive schedule. A further challenge was that the project team was made up of airport consultant specialists located in Los Angeles-CA, Boston-MA, Portland-OR, Bothell-WA and Arlington-WA. This, coupled with the tight timeline, made effective conference calls and



meetings crucial. ESI took the lead on conducting all database-related calls. In a couple of weeks the team had agreed upon the addition of over 200 new data columns and several new tables to the existing LATS database.

Once the database was established, the next ESI task was to facilitate the updating of the data and provide a method to manage the data update process ESI developed an .ASP / SQL 2000 web application to meet all of these needs. Airport managers from all 198 public use airports in the State of WA were each able to log into a custom home page for their Airport. In this Airport website, the manager was then able to review current information, make any revisions, and add any additional information.

Once airport manager information is submitted, the SHE project team is able to review all information submitted by the airport manager online, and verify if the data collection effort is complete for that specific airport.

Barclays North, Inc. – On Call Development & Support

Client: Barclays North, Inc.

Industry: Land Acquisition and Development, Finance, Legal, Property Management

Start: 6/2006 *End:* 6/2007

Description: ESI provides on-call support and development services to BNI. ESI completed a comprehensive intranet application called BNIweb that is tightly integrated with BNI's internal workflow. As BNI grows and adapts to new business requirements, BNI web must also evolve to reflect any innovations or new challenges.

W&H Pacific, Inc. – On Call Contract Renewal

Client: W&H Pacific, Inc.

Industry: Engineering, Architecture, Survey, Planning

Start: 7/2005 *End:* Ongoing

Description: ESI has provided on-call support to WHP since 2001. This contract was renewed in 2005 primarily to provide support for the Marketing Intelligence (MI web) online database system, Records Management System (RecWeb) and provide miscellaneous consultation and programming.

Barclays North, Inc. – BNI web

Client: Barclays North, Inc.

Industry: Land Acquisition and Development, Finance, Legal, Property Management

Start: 7/2003 *End:* 4/2006

Challenge: BNI is a residential and commercial land development company based in Everett, WA. They found themselves at the crest of the residential building wave that occurred in Snohomish County between 2003 and 2006. In order to manage exponential growth, BNI needed a comprehensive system that would create a consistent language and identify for the company.

Solution: ESI completed a comprehensive Enterprise Management Intranet that tracks and controls all aspects of BNI's operations. This is ESI's largest, most comprehensive system and took about 2 years to complete. The lengthy project was phased so that on a regular basis new components came online. As each component comes online ESI provided training sessions for the appropriate staff so that the system gradually solidified. The BNIweb system encompasses every aspect of the BNI work product. It created a central database that maximized data integrity and connected all departments:

Land Acquisitions

- Acquisition Information / Contacts
- Feasibility Tracking
- Linked Project Documents

Residential Land Development

- Acquisition Tracking
- Project Milestone / Checklist Tracking
- Linked Project Documents
- Bond Tracking
- Permit/Application Tracking

Commercial Development

- Commercial Project Tracking
- Project Information / Contacts
- Linked Project Documents
- Bond Tracking
- Permit/Application Tracking

**Property Management**

- Lease \ Service Contract Templates
- Tenant Tracking
- Contact Information
- Monthly Online Progress Report
- Rent Roll
- Point-in-time AR Summary
- Property Portfolio Recap Report
- Linked Property Mgmt. Documents
- Preferred Vendors Contact Info

Legal

- Task List Tracking
- Purchase & Sale Agreement Tracking
- Corporation Tracking
- Title Commitment Tracking
- General Indemnity Agreement Tracking
- Insurance Tracking
- Linked Documents (PSA, Title, etc.)

Finance

- PSA / Cash Flow Summary
- Bank Accounts & Lines of Credit Tracking
- Loan Tracking
- Guarantee Tracking

Government Affairs

- Jurisdiction Tracking
- Jurisdiction Contact Information
- Track Fees & Regulations
- Track Lobbying Efforts

Executive

- Executive Summary Reports
- Go / No-Go Decision Making
- Employee Incentive Plan Tracking

Companywide Information

- CRM integrated with Outlook Public Folders
- Standard Company Reports
- Marketing Experience Report
- Employee Listing
- IAP Goals

Dirt Dogs, Inc. – Online Land Acquisition Database / Client Portal

Client: Dirt Dogs, Inc.

Industry: Land Acquisition

Start: 6/2005 *End:* Ongoing

Challenge: Dirt Dogs, Inc. is a land acquisitions company specializing in finding developable land and brokering a deal between the landowner and an interested developer. DDinc had the innovative idea of extending services to developer clients over the internet. DDinc contracted ESI to create a system that would offer their clients exceptional, efficient online services.

Solution: ESI's first task was to find and analyze all data available to the public relevant to land. Each City and County have different data sources varying from .txt, .mdb, .dbf, .xls, and various GIS related files. ESI focused on Snohomish and King counties.

Next ESI developed a MS Access application to serve as a data processing engine that would allow Dirt Dogs, Inc. to quickly identify potential parcels, select and build these parcels into an Assemblage, and finally track the status and progress of an Assemblage.

When a developer client is interested in a particular assemblage of land, the information can be transferred to a secure internet website for review. This website gives the developer a real time understanding of Assemblage Status. In addition, all documents related to the Assemblage are available for immediate download.

WSDOT – Public Transportation Database – Ongoing Support & Enhancements

Client: Washington State Dept. of Transportation – Public Transportation Division

Industry: State Transportation

Start: 2/2005 *End:* 8/2005

Description: The Public Transportation Division is responsible for creating an annual publication called “The Summary of Public Transportation.” In no less than 250 pages, this document summarizes information about all transit organizations in the State of Washington that receive public funding. Between collecting the information from each transit system, analyzing the information, and producing the final publication; producing this book was a full time job. WSDOT hired ESI to find a way to make production of this publication more efficient. ESI completed a database system that imports data and exports charts and figures to be used in the final publication. With this contract, ESI provided on-call support for this application.

WSDOT – Aviation Division – Aircraft & Pilot Registration tracking – Phase II

Client: Washington State Dept. of Transportation – Aviation Division



Industry: State Transportation

Start: 8/2004 *End:* 6/2005

After completing the Aviation Communication Database, WSDOT contracted ESI to support the application with further development.

WA Aircraft & Pilot Registration Tracking Database – Phase I

Client: Washington State Department of Transportation – Aviation Division

Industry: State Transportation

Start: 6/2003 *End:* 7/2004

Description: WSDOT Aviation Division tracks all Aircraft and Pilots registered in the State of Washington and collects annual registration fees. WSDOT has an online database system that tracks all aircraft and pilots who voluntarily submit registration information and fees. The FAA also tracks Aircraft and Pilot registrations. ESI was contracted to provide a system and process that would allow WSDOT to easily compare their registration records with those tracked by the FAA in order to identify any missing registrations. ESI created an MS Access front-end to a SQL database.

Oregon Bridge Assessment/Inventory Database

Client: Oregon Department of Transportation

Sub to: W&H Pacific, Inc.

Industry: State Transportation, Engineering, Planning

Start: 4/2003 *End:* 10/2004

Challenge: ODOT needed to take a current inventory of the condition of about 450 bridges in the State of Oregon. The purpose of the project was to compile data and information into a comprehensive database that would help the State prioritize much needed repairs. This massive data collection effort needed to happen as quickly as possible, because many bridges were in dangerous disrepair. To complete the project Ellwood Systems, Inc. worked with two transportation engineering companies, W&H Pacific & David Evans & Associates, to complete the data collection effort. ESI developed a data collection website to facilitate the effort. ESI provided assistance with data collection and created the final database structure.

Solution: This web-based database system was developed to facilitate and manage the data collection effort for 450 bridges in the State of Oregon. The system also helped to manage the overall bridge assessment process. This innovative use of web technology enabled W&H Pacific to easily manage the statewide project that involved three different teams and subconsultants spread across five northwest offices. Teams were able to visit each bridge and input collected notes and information into the master database from any location with an internet connection. The web system furthermore helped our engineers complete the Baseline Assessment Reports by summarizing all of the data collected according to the standard Baseline Report layout, whether they were at home or in the office. The website offers the same data, but significant advantages over the MS Access database that was delivered to ODOT by another consultant by including:

- A complete summary of all bridge records found in the Bridge Assessment Database.
- 29,332 documents linked to the website under user-friendly headings (see example above)
- Site Photos and Videos with descriptive captions allow bridge sites to be reviewed in the office thus avoiding unnecessary costs and time for site visits.

WSDOT – Public Transportation Summary Database

Client: Washington State Dept. of Transportation – Public Trans Department

Industry: State Transportation

Start: 4/2004 *End:* 10/2004

Description: The Public Transportation Division is responsible for creating an annual publication called the Summary of Public Transportation. In no less than 250 pages, this document summarizes information about all transit organizations in the State of Washington that receive public funding. Between collecting



the information from each transit system, analyzing the information, and producing the final publication; producing this book was a full time job. WSDOT hired ESI to find a way to make production of this publication more efficient.

WA State Aviation System Plan (WSASP)
Airport Data Collection, Assessment and Inventory Update
Phase III – WSASP website

Client: WSDOT Aviation Division

Sub to: W&H Pacific, Inc.

Industry: State Transportation

Start: 5/2002 *End:* 3/2003

Description: Having completed Phases I & II of this project (described below), John has nearly completed the website that will allow the general public to query information from the newly updated WSASP database.

MIweb – Phase I

Client: W&H Pacific, Inc.

Industry: Engineering, Architecture, Survey, Planning

Start: 12/2002 *End:* 1/2003

Description: A web interface to corporate marketing data stored in Marketing Intelligence, a SQL server database that John developed for WHP several years ago. The enables WHP staff to access marketing related data from any computer with an internet connection and a browser. Subsequent phases will include secure data manipulation capabilities.

RecWeb – Phase I

Client: W&H Pacific, Inc.

Industry: Engineering, Architecture, Survey, Planning

Start: 11/2002 *End:* 1/2003

Description: A web interface to information stored in Records Management, a SQL server database that John developed for WHP several years ago. This website provides WHP employees with a search engine that can find historical information about projects and locate any associated documents that have been archived offsite. Subsequent phases will include secure data manipulation capabilities.

M&M Business Services – On-call support

Client: M&M Business Services

Industry: Business Services

Start: 5/2002 *End:* Ongoing

Description: John provides occasional support to M&M Business Services, another software solutions provider. John has helped M&M support applications and fix minor problems for a number of companies in the Portland area.

Facilities Management Database Application (Facilities CFM)

Client: TECOM, Inc./Bonneville Power Administration

Industry: Federal Utility

Start: 6/2002 *End:* 9/2002

Challenge: TECOM, Inc. maintains and operates the Bonneville Power Administration's office buildings in Oregon and Washington. TECOM typically receives up to 80 work orders a day in addition to scheduling and handling all ongoing preventive maintenance needs for BPA facilities. They developed a system years ago in Access 2.0 to help schedule and track work order progress, but this out-dated system was experiencing an array of problems with data integrity, performance, usability and inadequate reporting. As the work order volume increased and BPA expanded its facilities over the years, TECOM



found they were in desperate need of a new system that would allow them to carry out their contract with efficiency and accountability.

Solution: After gaining a comprehensive understanding of TECOM's ideal internal workflow and reviewing the existing software system, John worked with management to devise a new system that would precisely meet business needs. John also interacted with key staff members, from phone operators to technical staff, each representing different perspectives within the overall workflow. This helped to ensure that the new system would work well within the reality of day-to-day workflow issues, thereby promoting usability. In constructing the system, John took advantage of TECOM's existing MS Office 2000 licenses as well as their access to BPA's SQL servers thereby minimizing the cost of the new system. By utilizing SQL server for data storage and Access 2000 as an interface to the data, TECOM can be sure that the system will handle an increasing volume of data for years to come. John also uploaded all historical data from the old system, so that historical business indicators were not lost. The entire system was developed, tested and implemented into production in just over 2 months.

The final system is tightly integrated with and in many ways defines TECOM's internal workflow. Phone operators, technicians and managers all interact through the system and automatic e-mails generated by the system keep BPA customers informed about work order initiation, progress and completion. Management is able to monitor staff productivity and cost. The staff is able to focus on quickly completing work orders rather than keeping track of all of them. BPA gets highly accountable, prompt service. Everyone wins! In the words of the TECOM Facilities Manager, "The system works like a charm. It's really easy to use and does the trick(s)!"

Girl Scouts – Opportunity Tracker Database

Client: Girl Scouts of Oregon

Industry: Non-Profit

Start: 6/2002 *End:* 6/2002

Description: The Girl Scouts of Oregon uses custom MS Access applications to administer all the Girl Scout troops in Oregon including membership, cookie sales, and activity participation. John enhanced the existing programs in a number of areas to help improve the efficiency of the overall system. He also developed reports to facilitate accounting issues.

TLC Estimator

Client: Tsongas Litigation Consulting

Industry: Law

Start: 5/2002 *End:* 6/2002

Description: Tsongas offers a variety of services that can be packaged together in a variety of ways. Packaged services are customized to precisely fit the client's needs and budget. Due to the number of variables involved in estimated projects for prospective clients, Tsongas needed a way to quickly and consistently build accurate project estimates. John programmed all of the complex roles, services and associated costs into a intuitive interface, so that staff could simply select project components and parameters to produce accurate estimates quickly and consistently.

TeamAsset Website Concept & Design

Client: TeamAsset, LLC

Industry: Network Marketing

Start: 4/2002 *End:* 8/2002

Description: John helped a team of network marketers conceive the workflow and functionality for this website which is currently under construction. After helping TeamAsset realize how to effectively mirror their unique business model on the internet, he produced graphical representations and complete documentation so that the web developers would have all they need to efficiently begin work.



WA State Aviation System Plan (WSASP) - Airport Data Collection, Assessment and Inventory Update Phase II – Data Integration, Synchronization and Oversight

Client: W&H Pacific, Inc./WSDOT Aviation Division

Industry: Engineering, Architecture, Survey, Planning

Start: 3/2002 *End:* 10/2002

Description: In 1997 WSDOT Aviation assembled an Access database containing information about all 129 public-use airports in Washington. John was contracted by W&H Pacific to create a mobile data entry system to facilitate the updating of this database. The system enabled aviation engineers and surveyors to review and update data while the field. The data will be synchronized into a central SQL database located in Portland, OR.

S.O.A.R. (Sponsors Organized to Assist Refugees) – Case Tracking System

Client: Ecumenical Ministries of Oregon

Industry: Non-Profit

Start: 10/2001 *End:* 11/2001

Description: Access 97 application designed to track cases and generate specific monthly reports required by the State of Oregon.

WA State Aviation System Plan - Airport Data Collection, Assessment and Inventory Update Phase I – Data Collection Program

Client: W&H Pacific, Inc./WSDOT Aviation Division

Industry: Engineering, Architecture, Survey, Planning

Start: 10/2001 *End:* 2/2002

Description: In 1997 WSDOT Aviation assembled an Access database containing information about all 129 public-use airports in Washington. John was contracted by W&H Pacific to create a mobile data entry system to facilitate the updating of this database. The system enabled aviation engineers and surveyors to review and update data while the field. The data will be synchronized into a central SQL database located in Portland, OR.

On-call Systems Enhancements & Technical Support

Client: The IT Group/W&H Pacific, Inc.

Industry: Engineering, Architecture, Survey, Planning

Start: 8/2001 *End:* Ongoing

Description: John is currently providing on-call support for Marketing Intelligence 2.7a and Records Management 1.5, two Client/Server applications he previously developed for W&H Pacific, Inc., a 350 employee professional services firm. For this contract John has pledged on-call phone support during regular hours. He also provides on-going system enhancements as requested by designated administrators. This service assures W&H Pacific that their internal systems will evolve along with business practices and requirements.

Projects Completed while employed by W&H Pacific, Inc.

Marketing Intelligence ver. 1.0 - 2.5

Start: 8/1998 *End:* 5/2001

Description: Marketing Intelligence (MI) provides centralized storage of standard marketing information pertaining to employees, clients, proposal efforts, and projects for a 350 employee professional services consulting firm with offices in Oregon, Washington and Idaho. MI began as a system designed to maximize the efficacy and integrity of proposal efforts, and gradually evolved into a comprehensive Business Development Information System (BDIS). MI provides Marketing staff with the resources necessary to maximize the efficacy and accuracy of promotional efforts, while minimizing the Project Manager's role in these efforts, thereby reducing unnecessary overhead expenditures. Standard Functions Include:

- ✓ Proposal/Project Information Tracking



- ✓ Project Experience Search Screen
- ✓ Employee Information Tracking
- ✓ Employee Expertise Search (beta 1)
- ✓ Client/Contact Tracking (CRM)
- ✓ Automated Ad Hoc Mail List Generation
- ✓ Standard Service/Cutsheet Paragraph Storage
- ✓ “Two Click” - Integrated Enterprise Reporting
- ✓ Business Development Analysis Reports/Accounting Data Integration
- ✓ Subconsultant Search Screen

Wireless Cell Site Acquisition & Development Process Tracking System

Role: System Engineer/Project Manager

Start: 1/15/01 *End:* 6/1/01

Description: A significant portion of W&H Pacific’s Telecommunications Business Line revenues are generated from the booming cellular communications industry, and its need for cellular site acquisition and development services. The process involved in providing this service is fairly complicated and involves a very high level of organization of simultaneous project elements. A single Project Manager is generally just above water with 35 active projects, and a project can last well over a year. John is currently developing a project tracking and control system that will facilitate the process and enable WHP’s Project Managers the ability to handle a far greater project volume. The system will be specifically designed to track project pay points to ensure that the client is billed quickly and accurately. The billing process will be verified through direct integration with the JD Edwards’ VISION ERP system. It will also allow for direct Client interactivity via web interfaces, thereby increasing quality of service. Subsequent phases would logically lead to providing an extension of software services to clients such as Sprint Spectrum.

W&H Pacific Accounting System Conversion & Migration

Start: 8/2000 *End:* 10/2000

Description: John was instrumental in the successful conversion of W&H Pacific’s Deltek Advantage 5.0b (Harper & Shuman) accounting system to JD Edwards’ VISION. He first conducted an extensive analysis of the source data to determine how to maximize the integrity of the conversion as a whole. After developing detailed specifications, he authored the MS Access program that selected, converted and transferred all baseline accounting data from a SQL Server database to JDE DB2 in a matter of hours. This complex program enabled W&H Pacific to effectively “Flip the switch” between mission critical Accounting systems with almost no disturbance to normal daily operations. It also defined a crucial standard for conversion, so that all 2834 WHP projects were converted according to a consistent rationale.

HR Connect ver. 1.0 – 2.6

Start: 6/1999 *End:* 2/2000

Description: On 6/1/99 W&H Pacific’s Corporate Human Resources Division researched and selected a HRIS solution from Best! Software to replace their existing, non-Y2K compliant ABRA software. After examining the total capabilities of the Best! Software package, John predicted significant cost savings with minimal functional loss would be realized in developing custom HRIS software in-house. By 12/30/99 John’s HRIS solution, HR Connect, was fully populated with converted ABRA data and successfully implemented in production. This solution included 95% of the total capabilities of the expensive Best! Software while seamlessly integrating with W&H Pacific’s internal workflow. Transaction processing capabilities mirror current business rules and include features such as e-mail driven, automated workflow. It also offers user driven, “two click” reporting interfaces offering hundreds of standard reporting variations. Standard capabilities include:

- ✓ Standard New Hire Transaction Process
- ✓ Point-in-Time Enterprise Reporting
- ✓ Applicant/Requisition Tracking
- ✓ Benefit Tracking



✓ OSHA, EEO, Vets Tracking

WHP Records Management/Surveyors Project Database

Start: 6/1999 *End:* 1/2003

Description: John is responsible for the development and support of this Project Database/Document Management system that enables Records Management staff to efficiently record and track the location of archived project documents. The system features e-mail driven, automated workflow for document check-in/out requests, so that a project manager can order and return a document without ever leaving his desk. The system is furthermore designed to track “checked out” documents to be sure that they are recovered. Because the system is most often utilized by WHP Surveyors, the project search interface includes the ability to search for past WHP project experience according to GPS coordinates or Section, Township and Range. The project database currently stores over 27,000 project records.

WebTracker ver. 1.0

Start: 1/2000 *End:* 5/2000

Description: John designed this MS Access reporting interface to IIS 4.0 log files to provide basic usage figures for the purpose of company-wide Internet use monitoring and control. Reporting functionality was designed to identify high volume Internet users, as well as summarize sites hit statistics.

Snake River Corridor Plan & Environmental Assessment, Twin Falls, ID

Start: 3/2000 *End:* 4/2000

Description: Technical Lead responsible for the creation of a MS Access Transaction Processing Interface designed specifically to enhance the input efficiency and integrity of Public Involvement data that had been collected during roadside surveys. Once input into the database, the data was scrubbed and reports were created to inform travel demand forecasting strategies.

Vancouver Downtown TSP, Vancouver, WA

Start: 1/2000 *End:* 1/2000

Description: Provided technical direction for the updating and analysis of the client’s MS Access database containing transportation infrastructure elements relative to the City’s Transportation System Plan (TSP). Data applicable to the study area was isolated and final reports were produced for the TSP submittal.

WHP Y2K Compliance Analysis

Start: 7/1999 *End:* 11/1999

Description: John linked MS Access via WBEM to SMS 2.0 (SQL) tables to provide Y2K compliance analysis of over 180,000 .exe files found in SMS inventory records. His analysis helped to determine and prioritize mitigation needs. WHP experienced no Y2K related problems.

www.whpacific.com

Start: 1/1999 *End:* 3/2000

Description: John was responsible for the maintenance updates and development of minor additions to www.whpacific.com.