

L.P.R. Construction Co.



**Advanced Certified
Steel Erector**

CONSTRUCT**TECH**

Vision Award Application

Background

Technological advances are crucial to success at any company. LPR is no exception. Demonstrating our passion for technology while elaborating on the products we incorporate within our business you will see why we are a cut above the rest.

Citrix MetaFrame

Improved Processes

Transforming how, when, and where data is entered and tracked, Citrix MetaFrame has revolutionized operations at our company. Prior to the Citrix implementation we were sending and transferring job data by fax and entering the information days or perhaps a week later. Consequently the reports produced were “stale”, losing pertinence to the overall project performance. If we discovered a project’s production was slipping it was too late to make adjustments to break the trend.

In addition to real time reporting, our General Foremen currently access our BidTek accounting system from the field anywhere in the U.S. via our Citrix server. Project General Foremen enter and track time along with production units providing us with accurate “Production” and “Variance” reports. Using this powerful tool has improved our processes immeasurably resulting in better performing jobs and employees.

Productivity

Housing all servers and major hardware equipment in one location has reduced costly trips to jobsites. Traditionally our IS staff would spend a great deal of time traveling from job to job resulting in large amounts of unproductive travel time and costs. While out on site additional staff would be required to supplement the person traveling. With Citrix we have eliminated the majority of our traveling costs and minimized the need for additional staff.

Construction Imaging Document Imaging System

Efficiency

Automated workflow is a beautiful thing! The *Invoice Router* has helped our accounting team efficiently distribute, track, pay or dispute vendor invoices. As invoices arrive they are scanned into the system then “indexed” and routed off to the appropriate manager for approval. In the past, invoices were collected then sorted into manila folders to be delivered to a manager later for their approval. Typically a week process now takes minutes.

Furthermore, within seconds you can retrieve an invoice. With incredible search capabilities we can find any document quickly. Before implementation it would take days to retrieve these documents resulting in large hidden costs (our manager’s time along with our accounting staff’s). By empowering our managers to efficiently lookup and retrieve documents themselves, our accounting staff has taken on greater responsibilities giving us overall improved efficiencies.

Originality

During our annual OSHA VPP audit, the auditors required all jobsite safety documentation throughout the entire 2002 year to be delivered in 24 hours. With our system we were able to customize a query providing us information meeting their requirements. Once the query was run we exported the entire group to a .pdf file; less than 30 minutes in all.

Summary

Our implementations, innovations, productivity improvements and improved processes help us stand out above the rest. Promoting the enhancement of processes, technology will always play an important role in our organization.

For a more in depth view of our system please visit: <http://208.214.115.68> and click on the Constructech Award App.

Software Applications:

AperfectWeb InSuite Web

URL: <http://www.aperfectweb.com>

Description: The InSuite program allows users to quickly manage and update dynamically hosted websites. Additionally the product allows us to use the site as a marketing tool by e-mailing pages directly to users.

Contact: Brandon Tanner – e-mail: btanner@aperfectweb.com

BidTek Vision

URL: <http://www.bidtek.com>

Description: BidTek provides our users with tightly knit package encompassing Accounting, Estimating, Project Management, and Equipment Management modules. Its UNIX based operating system is extremely reliable minimizing any down time.

Contact: N/A

Citrix MetaFrame

URL: <http://www.citrix.com>

Description: Provides remote access from any Internet connection. This software allows us to provide a universal standardized published desktop for all users.

Contact: N/A

CompuCrane Crane Selection and Lifting Analysis

URL: <http://www.compucrane.com>

Description: Planning a critical lift and crane selection on a project begins with CompuCrane. This software allows us to select the type of crane and its configuration for a project. The version we use is custom to the cranes we own along with a list of highly used cranes.

Contact: Tawnia Brown – e-mail: compucrane6@earthlink.net

Construction Imaging Systems Document Imaging

URL: <http://www.construction-imaging.com>

Description: The Document Imaging System includes the Invoice Router, Job Document Router, and Application Extender. Invoice Router automates the scanning, indexing, and routing of invoice documents to managers for approval. Job Document Router is similar to Invoice Router but routes off job documents. Finally Application Extender allows for customization of document types giving great flexibility allowing companies to become paperless.

Contact: Larry McAdams Owner/President – e-mail: larry@construction-imaging.com

CSI Berkeley SAP 2000

URL: http://www.csiberkeley.com/SAP2000_Software.html

Description: This product provides an in depth breakdown of shoring systems, stress analysis and code checks for temporary construction loading conditions (such as partially erected truss systems).

Contact: N/A

Microsoft Windows 2000 Server

URL: <http://www.microsoft.com/windows2000>

Description: Used as file and application server. The operating system houses our SQL and Document Imaging Systems. Also plays an important role as an Intranet/Extranet server allowing access to published Citrix Applications. Finally serves as a Terminal Server, SMTP and FTP server.

Contact: N/A

Microsoft Windows XP

URL: <http://www.microsoft.com/windowsxp>

Description: Desktop and Laptop operating systems. Each PC serves as either a stand alone machine or a thin client with a connection to Citrix while out of the office. Although not 100% crash proof it has made huge strides from the Windows 9x platform.

Contact: N/A

Novell GroupWise

URL: <http://www.novell.com/groupwise>

Description: E-mail, Calendaring, and appointment management are the major components of the software. The post office is stored on the network allowing in-house management of all e-mail services.

Contact: N/A

Novell NetWare

URL: <http://www.novell.com/netware>

Description: Basic uses are for file and print systems. Also placed on this server is our GroupWise system.

Contact: N/A

Primavera SureTrack

URL: <http://www.primavera.com>

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Description: SureTrack is a project management software tool. Develops and visually displays the critical path on projects. Project managers use this to plan and track our progress on jobs.

Contact: N/A

RAM Advanse

URL: http://www.ramint.com/products/r_advanse.jsp

Description: Stress and stability checks for temporary hoisting conditions along with stability and wind load analysis on partially erected structures can be verified with RAM Advanse.

Contact: N/A

SCO UNIX OpenServer

URL: <http://www.sco.com/products/unix>

Description: Used as the base operating system for our BidTek Vision accounting system. This product provides an extremely stable environment for our mission critical applications.

Contact: N/A

Upperspace DesignCAD 3D

URL: <http://www.upperspace.com/products/cad>

Description: DesignCAD 3D, with the proper information and settings, can virtually erect the building prior to setting foot on site. Pitfalls can be seen and overcome before they become a major obstacle.

Contact: N/A

Hardware:

Dell PowerEdge Servers:

As a great value Dell has been chosen as a standard in our organization. The technical support has been unsurpassed along with their quick responsiveness to any issues. We currently have six Dell servers playing several different roles in our organization.

T-1 Voice & Data:

We run a full T-1 frame relay circuit into our office for connectivity for our General Foreman and Project Managers in the field.

In addition to the Data T-1 we run a partial T-1 for our voice system. It is a very cost effective solution for L.P.R.

Avaya Switches and Voice Messaging Server:

We have an Avaya voice messaging system which is attached to the switch provided by Avaya also. Both tie together very well allowing voice mail and faxes to be checked from any PC connected to the network.

Networked Digital Copier/Printer/Fax

Combining each of these technologies together we have saved money and improved the reliability. We currently have two of these machines in house. One is capable of 70 pages per minute while the other can output 35 pages per minute. Each fits well in our organization.