

PCI Newsletter

Programming Concepts, Inc.

Fall 2002



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Mobile Internet Access

It is estimated that in three years there will be half a billion web enabled mobile phones.

By 2004, more people will be using cell phones to connect to the Internet than personal computers.

The wireless revolution has now moved into the data world. The technology for accessing your web site and Internet applications from a Mobile Phone and PDA is here. You now have an additional consideration when designing your web site and Internet enabled applications: how do we make the information available from a web enabled cell phone and PDA.

The enabling technology is **WAP** (Wireless Application Protocol) and **WML** (Wireless Markup Language).

WAP support on mobile phones and PDA's is here for the latest devices. There are many web enabled mobile phones on the market and more to come. WML is an extension of XML and there are development tools available to create WML web pages.

There are numerous web sites that are mobile access enabled. **PCI** has a demo site you can try using your WAP enabled mobile phone (or mobile phone emulator). The demo provides a real time stock quote

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ABLE™ - Web Application

ABLE™ is a web enabled application for transferring details about rebinding library books and periodicals between Libraries and Book Binding factories.

Preparing library binding data is easy with **ABLE™ Internet Access**. Forget about configuring computers and networks. Forget about installing new versions of programs. Forget about system crashes and lost time.

Think about using any computer attached to the Internet for binding preparation tasks. It is that simple.

Library Internet Access also allows multiple concurrent users to access the same database over the Internet. So there is no longer a wait to use specially configured network PC's.

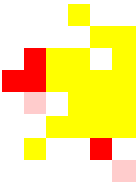
ABLE™ also allows the library staff to work anywhere there is access to the Internet.

We have received excellent reviews from hundreds of libraries already using **ABLE™**

Internet Access.

In fact, after most library demonstrations of **ABLE™ Internet Access**, the libraries cannot wait to start using it.





Vehicle Remarketing System (VRS)

The **Vehicle Remarketing System (VRS)** is a web hosted application that provides an efficient interface for managing the business flow of remarketing vehicles. The system manages a vehicle inventory from consignment through to the sale of the vehicle.

VRS takes advantage of the rapidly growing use of the Internet vehicle auction sites. VRS's auction integration tools make it fast and easy to manage a large number of vehicles.

VRS is designed to interface with online services such as EBay, Yahoo, Kelly Black Book, Manheim, etc.; providing an effortless integration for sharing pertinent data and providing valuable marketing strategies. EBay is the first auction site available.

Complete VRS web integration allowing unlimited growth opportunities are accomplished by using standardized messaging services (JMS) and protocols (XML). These tools allow VRS to be extremely versatile and scalable as new opportunities and Internet services emerge.

VRS requires minimal effort for utilizing the system, as there are no hardware and/or software requirements except access to the Internet. A customer simply needs reliable Internet connectivity, a browser enabled PC, and an enabled user account to fully take advantage of VRS.

PCI provides all hosting and support services related to VRS, encapsulating all configuration, both hardware and software, in an easy to



Vehicle Remarketing System Main Page

PDA Screen Magnifiers



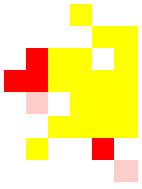
Mobile computing is a young business that is an integral part of the mobile lifestyle that you acknowledged as soon as you purchased your first notebook or PDA.

Problem: *the screens are hard to read.*

No more squinting with **Magnifico Clip-On** and **Combo**. **Magnifico Clip-On** just clips onto your PDA and will adjust to ANY size PDA. **MAGNIFICO™ Combo** has a free-standing base, all in one combo unit. For more information refer to

www.officeonthegogo.com

These quality products are part of a new venture by Mekatronics. Mekatronics is the originator of the **ABLE™** system (see page 1).



Netfeed Technology Corporation (NTC)

Netfeed Technologies Corporation (NTC) is a unique association of industry leading subsidiaries, affiliates and partners that bring together highly skilled and experienced technical staff, industry leading state-of-the-art data integration, and retrieval products and real-time market data.

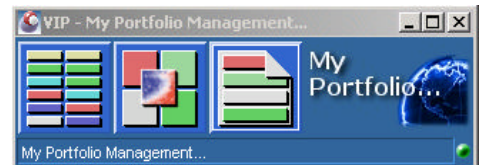
NTC licenses its own products as well as products from affiliated companies. **NTC** is dedicated to providing a wide range of real-time and delayed data products at competitive prices to the financial community requiring timely and accurate data.

Our products include VIP Exchange Data, Web Hosting, Portals, Nasdaq Level 2 Data & Web Viewer, Portfo-

lio, Charting and other System Components. Complete Financial Data Distribution and Client Presentation Systems are also available.

Our services include Custom Application, Integration, and Support. **NTC** systems analyst integrates and/or supports **NTC** products into the client system. Comprehensive custom integration and consulting services are provided.

NTC programmers and systems analysts are available to work with the client's IT team to integrate **NTC** products into the clients system. The **NTC** programmers can also be tasked with developing the clients systems or subsystems as required.



VIP Navigation Menu



Nasdaq Level 2 Quote View

Mobile Internet Access (continued)

(Continued from page 1)

(courtesy of Netfeed Technology).

The site is,

www.programmingconcepts.com/wap

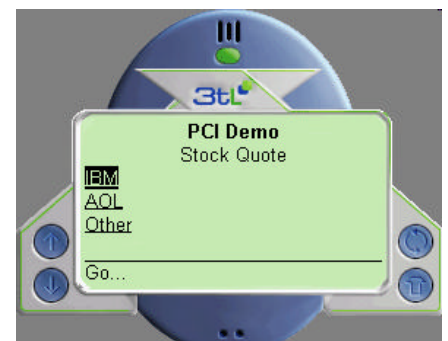
Enter a stock symbol or select one that is listed. The current stock price (real time) is displayed on your web enabled mobile phone.

This application was rapidly developed (in days). The technology is here. As always, there are pitfalls you need to consider: inconsistent WAP standard, incompatible micro-browsers, service available, and

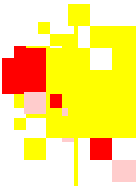
many more.

The Microsoft solution to the compatibility problem is the **Microsoft Mobile Information Server** and the **Microsoft Mobile Internet Toolkit**. With these tools, mobile devices are independent of the WML application in a similar manner as a printer is independent of a MS-Word document.

Call PCI to discuss your wireless application. There are many opportunities to deliver web content and Internet applications to wireless devices. Your company can profit from this emerging technology and stay one step ahead of the competition.



PCI 's Mobile Access Demo



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Professional Software Development Service

PCI has recently been awarded projects based on our ability to provide professional software development services. Each of our new clients experienced cost overruns and missed schedules even though their programmers are very talented.

Talent is not enough. Knowing the software process and having personnel experienced with the process is critical to a successful project. On one new project PCI is integrating our technical management and programmers with the client's programmers.

Another client has programmers that are leaving and there is no continuity to con-

tinue the development. PCI is taking over the project. Continuity is now no longer a problem.

PCI provides our clients low risk development projects. The consequence of not meeting schedules often results in a lost market opportunity. This is the primary reason for replacing and augmenting their own programming staff. When we are assigned a project, based on our track record, there is a high probability we will satisfy the client's expectations.

We expect this trend to continue, especially in tough economic times where available resources need to be used effectively.



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