



Bringing data to the work site. Committed to customer success.

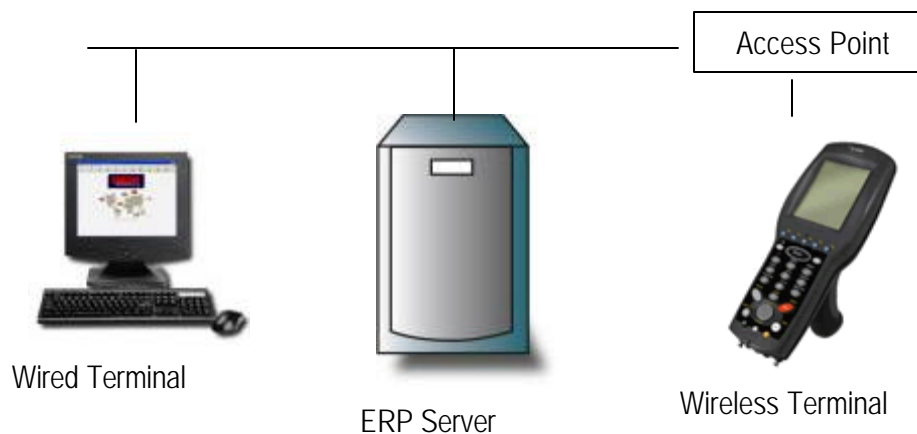
WIRELESS TERMINALS IN AUTOMATION

WIRELESS TERMINALS LET YOU "TAKE THE APPLICATION TO THE WORKSITE".
THERE ARE VARIOUS WAYS OF DOING THIS:

- ◆ **TERMINAL EMULATION** - a program resides on the mobile computer that is a telnet client. For some, this approach may be a quick way to get some benefits.
- ◆ **CUSTOM MOBILE APPLICATIONS with BATCH BACKEND** - this approach builds an application "fits" the process; updates to the back end business system are done at day-end or regular intervals.
- ◆ **CUSTOM MOBILE APPLICATIONS with REALTIME BACKEND** - this approach builds an application "fits" the process; input is validated in realtime against the back end business system; updates are also done in realtime via a transaction interface

TERMINAL EMULATION

Where your ERP system provides a telnet (or other terminal type) interface, terminal emulation may enable you to "take the application to the worksite" quickly. AIS can assist you to gain the full benefits of barcode scanning and printing in your business process.



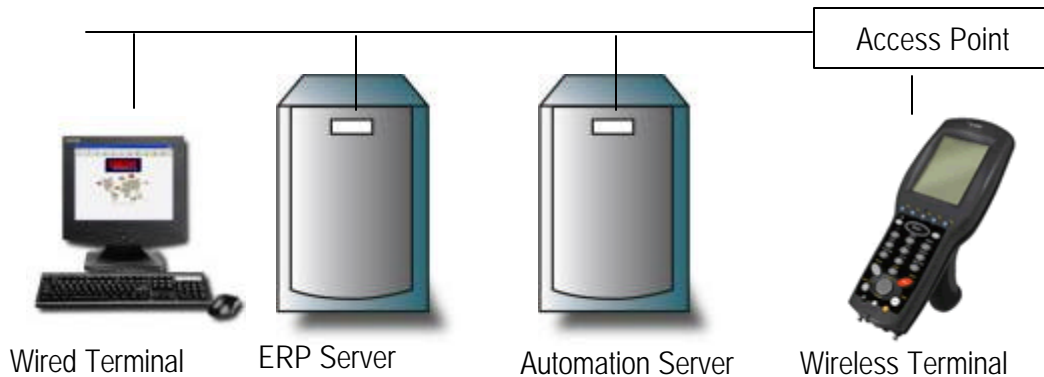


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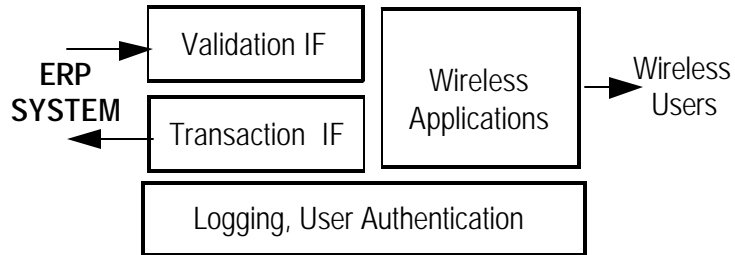
CUSTOM MOBILE APPLICATIONS

Providing custom mobile applications gives you the ability to optimize your business processes. EPR transactions that may take multiple screens of manual keying may be reduced to several scanned events; accuracy is increased, tedium is reduced. In the diagram shown below, an automation server is installed that acts as a "transformer" between your ERP data and the optimized processes. The Automation Server can also provide other benefits such as

- ◆ Browser based transactions or lookups using ASP.Net pages
- ◆ Custom reporting
- ◆ Print Integration for compliance labeling



DATA OUTREACH ARCHITECTURE



INTEGRATION CHECKLIST

Here is a list of issues which may help you as you consider process automation using wireless and Auto-ID (barcode) technologies:

- What type of ERP system is being used?
- What type of DataBase is used?
- Is there a transaction interface? What type?
- What type of computing platform is the ERP system running on? (Unix, Windows,...) (Hardware: Intel, Sun, RS6000, etc...)
- How many users?
- How many transactions per day?
- Are barcode labels already available?
- Is there a wireless network already installed?
- What type of development personnel do you have in-house? What tools and platforms do they prefer?

Data Outreach provides a robust starting-point for for our integration projects. Built into this framework is user security, usage reporting, logging, and transaction support. This is modular set of components built to run on Microsoft Windows Server 2000/2003 on top of .NET Framework. Our code is built along Microsoft best-practices guidelines, using C# and Visual Basic .NET. Our wireless applications are written on top of the .NET Compact Framework, using the C# language.

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