



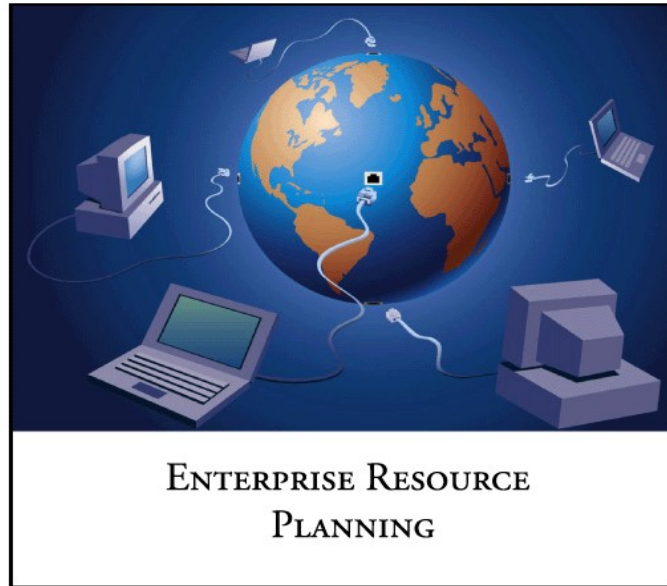
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ATRC ERP Systems

What Is ATRC ERP?

ATRC ERP is a complete web based accounting/ERP system that requires only a web-browser and pdf reader to use. It has a wide range of features suitable for many businesses particularly distributed businesses in wholesale and distribution. It is developed as an open-source application and is available as a free download to use. The feature set is continually expanding as new businesses and developers adopt it.

The growth of ATRC ERP adoption has been entirely through word of mouth testimony - there has never been a marketing or advertising push to "sell" ATRC ERP. Of course there are no funds nor commercial incentive to do so for free software. Instead this growth is built on reputation and solid practical functionality that works as tried and tested by an increasing number of businesses.



Reliability - A Function of Software Design and Quality

An accounting system, more than any other system, needs to be reliable. The ATRC ERP code has been extensively peer reviewed but more importantly extensively tested in the field. The result is rock solid stability and a program that does exactly as it is supposed to.

All development is reviewed and the project is led by UK qualified Chartered Accountants both with experience in senior management roles in business. The emphasis is on practical features that businesses really need.

To produce a solid application it is necessary to build upon solid foundations. ATRC ERP is developed using the PHP (PHP Hypertext Pre-Processor) web development language. Again PHP is an open source development environment and the rigour applied to its development and review of its code is the reason why it has become one of the most popular[∞] and respected web-development platforms.

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Performance of well written PHP applications in a web-environment are arguably without peer. ATRC ERP is no exception.

ATRC ERP scripts are developed with consistency and simplicity in mind so that the PHP scripts that make up ATRC ERP are readable with only a basic knowledge of PHP scripting and the ATRC ERP structure. Every opportunity is taken to remove abstraction from the code to make the logic as clear as possible to the reader of the code. Simple code makes for reliable code. It also makes for easily modifiable code should another function be required.

It can be easily configured on any operating system and the computer processing requirements are surprisingly light. With web-hosting so competitively priced, 3rd party hosting external to the business effectively minimizes any internal IT costs of maintaining the server. Then only a connection to the Internet is required to use ATRC ERP.

Improve Your Business's Profitability

For those old enough to remember, it was a long time before accounting software evolved from DOS based systems to take advantage of modern graphical capabilities. Similarly, it has taken some time for accounting software to graduate from X tier client-server technology that replaced the old DOS systems and fully realize the benefits of a truly web-based business application. Whilst many systems now have the option of a web "front end", they remain, essentially, client server applications. Due to the intensive processing required for client server applications the infrastructure for many businesses requirements might include:

- A complex load balancing server farm with server management software
- Costly OS licensing
- Large bandwidth fibre-optic connections required between branches
- Dedicated and knowledgeable/expensive IT staff/contractors - to administer and run the infrastructure

This infrastructure is a serious burden for many businesses. It could be so much easier and business could be so much more profitable. ATRC ERP neatly side-steps all of that, leveraging the simple beauty of HTML to render graphical screens anywhere in the world with minimal overhead and the integrity of centralized database processing of the data.

Secure access to real-time company records any-time, almost anywhere provides significant tangible advantages to a business. Answers when you need them, where ever you may be, inventory, pricing, credit history, profitability, sales analysis. This is all possible right now from any Internet connected device with ATRC ERP.

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Platform Agnostic for both Server and Client Access

ATRC ERP is flexible in its platform and configuration.

It can be configured on virtually any web-server, operating system or computer. It is also flexible because it is easy to develop functionality to meet precisely the requirements of your business. ATRC ERP developers are keen to work with your business to develop solutions you need.

It makes no difference to ATRC ERP's operation where it is accessed from. Be it a desktop, lap-top, PDA or Internet cafe. In labour markets where it is increasingly difficult to retain good staff this flexibility in where work is performed can be a key advantage to employers.

It has translations to many different languages - each user can see the screens in their own language and in their own graphical theme.

Why ATRC ERP?

ATRC ERP is an Open Source project. As such there are no fees associated with using the system! What is more, there is competition between service providers to provide the best and most cost effective support. Service providers are more readily available because the availability of the source code enables those with PHP knowledge (the web-programming language used by ATRC ERP) to be able to identify exactly what processing is performed by the system. In proprietary systems this information is often not available even to licensed support providers - they need to communicate back to the software vendor for a response. With the information available to support people, the quality of the support is likely also to be better.

ATRC ERP has a wide variety of features suitable for managing businesses of many differing forms. From the face of a simple menu structure, complex business processes are easily accessible - such as multiple inventory locations, multiple currencies, lot and serial number tracking of inventory - see Features

All the features in ATRC ERP are integrated with each other. Inputs are required just once. Everywhere the change is propagated across the system.

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Features.

General

- Entirely web-based
- Runs on any web-server that can accommodate PHP - can use an ISP instead of having/maintaining own server
- Minimal use of java-script for maximum compatibility with all web-browsers and web enabled devices
- Produces reports to Portable Document Format - PDF for accurate positioning of text
- All reports and scripts easily modifiable PHP text
- All processing on the server and no installation required on client machines
- Multi-language - each user can see the interface in their preferred language
- Multi-theme - each user can see the interface in their preferred graphical theme
- Can be integrated with a wiki (any wakka fork) to hold narrative on items, suppliers and customers. e.g. The wiki may contain any information particular to the customer with links to say credit history - call log for customer services/sales/accounts etc

Security

- Users can be defined with access to only certain options using a role based model
- Options applicable to certain roles can be graphically configured and users defined as fulfilling a given role.
- Incorrect entry of password (more than 3 times) blocks the account until reset by the System Administrator. This prevents password crackers from breaking the security.
- Pages can be encrypted using SSL and ATRC ERP can be configured to only display pages using SSL to ensure that all information passing over the internet is encrypted.
- Users can be defined to see only certain modules on the main menu - so menu options that they will not have access to are not even displayed on screen.
- HTTP security can be configured over the top of the inbuilt security to provide two levels of security - the first to access the web-server at all and the second to actually get into ATRC ERP

Order Entry

- Quotations can be entered and printed as quotations then changed to an order if the customer accepts without re-entering
- Customer orders can be entered and maintained and referenced back to the customer's order

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number.

- The cumulative quantity on order for a stock item shows as a demand in stock status inquiries.
- The cumulative quantity on order for assembly items shows the demand against its components in the stock status inquiries.
- The quantity of the order left to invoice is maintained and updated for invoices and credit notes raised against the order.
- The orders entered can be invoiced directly with little or no additional input.
- Multiple dispatches are possible from a single order. Order retains references to each dispatch.
- Differences from the order are logged when dispatches are not the same as the ordered quantities for reporting delivery in full on time.
- Pricing automatically returned based on the customer sales type, branch and currency.
- Quantity break discounts across a range of products are automatically calculated based on a discount matrix.
- Packing slips printable on laser or pre-printed stationery.
- User selectable inventory location to pick from.
- Automatic freight calculations based on shipping method and delivery address. Orders calculate weight and cubic based on item unit weight and cubic.
- Free form entry of delivery addresses – defaulting to the customer branch physical address.

Taxes

- Very flexible taxation options suitable for Canada, US, South Africa, UK, Australia, NZ and most other countries
- Tax rates dependent on the type of product - using tax categories
- Tax rates dependent on the location of the warehouse dispatched from
- Tax rates dependent on the location of the customer
- Multiple taxes payable to different tax authorities
- Each tax posted to different user-definable general ledger accounts - if linked to AR/AP

Accounts Receivable

- Overdues inquiry that takes into account delivery days to the customer's branch and the actual (user definable) payment terms applicable to the customer, supported by detailed inquiry of actual invoices overdue.
- Full on-screen inquiry on a customer's account, complete with invoice details and narrative which appeared on the invoice. Drill down to source document – invoice or credit note. Invoice can be emailed to customers together with pdf attachments dependent on items invoices eg. warranty, datasheets, instructions, manuals etc.
- Inquiries on payments received will show how a payment was allocated to invoices and the difference on exchange attributable to each invoice.

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- Full integration with stock records and general ledger - a full trail of journals for each transaction is maintained – a drill down to the general ledger transactions for each transaction on a customers account is available from the customer inquiry page.
- Flexible general ledger postings for sales and if required as well cost of sales based on sales area and product category. General ledger integration is optional.
- Open item - full analysis of the outstanding balance is maintained and printed on statements for maximum information to the customer.
- Statements can show transactions settled this month or only outstanding transactions as at the date of printing.
- Flexible user definable sales analysis reports to pdf or spreadsheet (csv – comma separated values). Report definitions can be saved for re-running or automating email delivery from a scheduled job.
- Retrospective – de-allocation and re-allocation of receipts or credit notes against charges with re-calculation of differences on exchange and corresponding general ledger journals.
- Any number of branch – delivery addresses can be added serviced by different sales people with different tax authorities and different areas for sales analysis purposes.
- Unlimited accounts and unlimited number of branches (ship to addresses) for each account.
- Shipping method updated by branch.
- Customer accounts can be in any currency. Individual rate for each invoice, default to currency table rate.
- Currency table can be set to be automatically updated daily from European central bank published rates.
- Invoices and credit notes created in pdf.
- Email of invoices and credit notes.
- Credit notes can be produced from one click taking the details of a selected invoice for subsequent modification.
- Transaction inquiries show sequence of invoices, credit notes and receipts entered.
- Option to produce integrated google maps of customer locations (and suppliers)

Inventory

- Unlimited number of warehouses (stocking locations), stock quantities are maintained for an unlimited number of locations.
- Selling prices for a stock item can be set for each sales type defined in any (and all) currency (ies) allowing great pricing flexibility. Pricing can also be set specific to an individual customer account or even a specific customer branch.
- Automatic back ordering. Sales orders yet to be delivered can be automatically back ordered at the time of invoicing or the balance of the order canceled as appropriate.
- A history of stock movements is maintained by stock item allowing full tracability including

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serialised and lot/batch numbered stock items.

- Allows Dummy (service) stock items which can be invoiced, priced, costed but with no stock record maintained for items such as labour or services.
- Kit-set parts can be defined. An order for a kit-set part explodes into the components defined for the parts at the predefined quantities as extended by the number of the kitset item ordered all priced individually. These component quantities are then available on the order for modification by the user.
- Assembly parts can be defined in a similar way to kitsets. These parts exist only for ordering, pricing, invoicing and sales analysis. No stock balance is maintained, instead the quantities of the components are updated in proportion to the quantity defined in the assembly.
- Invoice and credit note inquiries are linked to stock movements so the detail of items sold on an invoice can be queried calling up the actual invoice or credit note that caused the stock movement.
- Standard cost manually maintained or automatically maintained weighted average cost.
- Inventory usage by month inquiry by location and over all locations.
- Inventory planning report showing the last 4 months and the current months sales – including sales of assembly components.
- Receiving inventory against purchase orders creates journals in the general ledger to reflect the increase in stock value and the amount owing to a supplier.
- Stock transfers to other inventory locations can raise transfer docketts.
- Re-order quantities can be maintained.
- Inventory adjustments can create general ledger entries to reflect write on or off of stock value.
- Inventory cost changes can create general ledger entries to reflect write on or off of stock value.
- A stock taking system allows business to continue recording system stock quantities at the time of counting – adjustments created based on these quantities and the sum of all quantities entered as counted for the item. General ledger integration creates the necessary journals to reflect the changes to stock values.
- Controlled items – allow referencing of each stock movement to the bundles/batch references.
- Serialised inventory allows controlled items to be in units of one. Ie a reference for each individual item.
- Unlimited user defined fields specific to each inventory category for additional important information required to be stored against items
- Weighted Average (automatic) or standard (manually maintained) costing

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Purchasing

- Purchase orders and suppliers can be in any currency.
- Supplier item descriptions and pricing (in the currency of the supplier) for purchased items can be maintained. Purchase orders automatically use these prices. The same item can be purchased from many different suppliers.
- Quantities on order show on inventory status inquiries – by inventory location to receive into. Quantities on order also show on planning reports.
- Goods received can be entered up to the purchase order quantity plus a user definable percentage allowance for over delivery.
- Goods received are sequenced as a GRN and a record is retained for every stock movement referenced to the GRN.
- Purchase orders record the quantity received and the quantity invoiced as well as the original quantity ordered.
- Purchase orders can be emailed to one of the defined supplier contacts email addresses.
- Inventory planning report can be produced based on a 3 or 4 month lead time showing suggested quantities to purchase based on the maximum of the prior 3 months usage.
- Purchase orders can be entered for nominal items – ie non-stock items with a general ledger code to be entered to specify how the general ledger integration postings should be made.
- Shipment costing can be set up across several purchase orders from the same supplier choosing only those lines that have been dispatched together. Costs entered against these lines and against the shipment (from AP) are apportioned across all lines. Shipment costing allows for automatic updating of standard costs on closing shipments.

Accounts Payable

- Suppliers can be defined in any currency.
- Invoices can be entered against goods received with a user definable allowance for over invoicing. Thus ensuring payment is only made for goods received.
- Invoices can be entered as a cost of a shipment for apportionment between the items on the shipment.
- An aged listing of balances is available as a pdf showing either summary balances or the detail invoice by invoice of the balance of the account.
- Retrospective allocation or deallocation of payments to invoices. With differences on exchange reported.
- Supplier invoices cannot be entered with the same reference as prior invoices.
- Supplier invoices/credits can be entered against the internal record of goods received from the supplier. Providing an internal check to ensure only those goods received are paid for.
- Supplier invoices for freight/duty etc can be charged against shipments – from other suppliers.
- Supplier invoices can be entered directly against multiple general ledger codings.

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- Inquiry on Suppliers account shows all transactions.
- Fully integrated general ledger postings – keeps the creditors control account in line with the supplier balances in local currency.
- Payment run creates payment transactions based on payment of all due invoices – not flagged as held.

Bank

- As many bank accounts as required can be set up – details and account number can be held against the bank account definition.
- Bank accounts can be any currency and payments/receipts can be paid in any currency from any bank account
- Transfers between accounts are automatically detected by entry of payment to another bank account – or receipt.
- Bank transaction matching to bank statements show outstanding payments/receipts only or all depending on selections.
- Online reconciliation statement based on matched and all entered transactions.
- Calculation and posting to GL of unrealised exchange differences in foreign currency bank account balances

General Ledger

- Automatically maintained periods, reporting over any range of periods – no “rollovers”.
- Balance Sheet and Profit and Loss Statements
- Reporting against budget
- Inquiry on any account over any period.
- Posting journals into any number of periods ahead or periods before.
- Reversing journals.
- Automatic posting – no separate process to run to post general ledger transactions.
- Extensive narrative on journals created by sub-ledgers (AP/AR).
- Accounts can be grouped using relational methods ie flagged as a member of user definable account groups - rather than the old chart of accounts numbering structure.
- Account groups can be nested so hierarchical structures can be accommodated - detailed profit and loss, balance sheet and trial balance all use account group structures to display reports.
- Posting to prior periods can be disabled based on transaction date to prevent prior periods being changed.

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Manufacturing

- Multi-level bill of materials - with error trapping to prevent recursive BOMs
- Phantom bills - automatically explode into components when a parent work order is created
- Automatic cost rolls ups on change of BOM or component costs.
- Works orders can have multiple output items for handling by-products
- Optional automatic backflushing or auto-issue of components
- Issues to works orders and receipts of finished goods from work orders integrated to inventory and GL
- Issue of labour and time or other services to works order
- Work order costing - automatic weighted average cost updates (or manual standard costing updates)
- Usage variances reported to GL - inventory category record determines GL accounts
- Demand for components of work orders shows in stock status inquiries
- Full MRP - material requirements planning with master production schedule/forecast maintenance and creation facilities. Fast full recursive calculation of MRP - (note that capacity requirements planning and MRP II functionality is NOT currently available in ATRC ERP).

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