iLedgERP

In Touch With Tomorrow

IDG
Enterprise Solutions

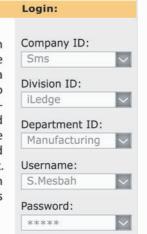| Refresh | Home | Inventory Control | Purchase Order | Sales Orders | Product Engineering | Mfg Engineering | Mfg Orders | Mfg Cost | MPS CRP | MRP | Accounts Payable |

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iLedge Enterprise Solutions is the leader in integrating business process workflow into the core of manufacturing enterprises. iLedge is a company that provides business solutions to manufacturers, distributors, and electronic-based transaction businesses. We are dedicated to solving your business challenges with the most cost-effective and efficient products and methods available in today's software market. By providing enterprise software based on Microsoft technologies, we bring true business benefits to your operations.

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iEDGE Enterprise Solutions

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Company History

iLedge Enterprise Solutions evolved from Strategic Manufacturing Solutions, Inc. (SMS), a company providing business consulting and software solutions for manufacturing businesses. The executives behind SMS have a combined experience of more than 60 years in the manufacturing, financial, and technology industries. We have worked with some of the world's largest, most demanding, and most complex manufacturing companies, Such as: Boeing, Hanjung, Toshiba, Bechtel Power, HP, General Motors, Gould, Fujitsu Business System, Rexon/Wangtek, Marconi Lear Astronics and Haskel International. In addition to world class manufacturers, the founders have extensive experience in the midmarket segment, as well as with start-up organizations. This mix of market experience has provided keen insight into building successful solutions for today's challenging manufacturing requirements. With decades of experience with software packages such as SAP, BAAN, ORACLE, and others, along with numerous successful ERP implementations, the founders realized that mid-market companies simply do not have the resources to implement the top tier ERP packages. Companies that implemented second tier ERP packages found themselves plagued by problems long after the ERP implementation. Computer and network infrastructure issues, vendor problems, lack of trained human resources, and overly complex software, became burdens to a company's operations. Often midsize companies have process issues that are exacerbated by ERP deployment. Once set into motion, problems can become part of the culture and process, and become very difficult to resolve.

Founded by a group of businessmen, iLedge Enterprise Solutions is committed to business solutions through technology, rather than technology leading to business solutions. **iLedgERP** offers a complete set of modules to manage you manufacturing and distribution business. Other software companies offer technology solutions. We bring business acumen to the realm of software solutions, offering business solutions through technology. We know that high technology is no substitute for software that is a solution first, and a technology implementation second.

Today's Global Business Challenges

With ever increasing competition and globalization, businesses must continue to find ways to reduce costs, increase revenues, and broaden markets. Time to market, quality, and the ability to respond to rapidly evolving customer requirements are must haves in today's manufacturing environments. Long lead times, long development cycles, and overly burdensome manufacturing processes impede a company's ability to meet customer and market requirements. **iLedge** integrates workflows to enable businesses to compete in these intensely demanding production environments. Viability in today's global marketplace poses challenges never seen before. The ability to respond to changing markets and customers, while maintaining or reducing cost structures, have become a requirement. Businesses today are faced with not only controlling their operations, but competing globally, building customer loyalty, and creating beneficial supply chains. **iLedge** Enterprise Solutions not only offers a robust ERP solution, but the Business Intelligence to maintain competitive positions in a global market place.

Your Advantage

The **iLedge** product suite provides robust ERP functionality on Microsoft's .NET technology platform. This provides your business a rich product experience while leveraging the most cost-effective computing infrastructure offered today. The **iLedge** product suite is an integrated set of functional modules, all provided by **iLedge** Enterprise Solutions.

Software Solutions for your Business

iLedge has developed software to directly address the business challenges of today and tomorrow's. Facing global competition, government regulations, tightening environmental laws, stricter accounting practices, increased distribution demands, and better business planning and cost control; companies need inteligent business solutions. **iLedge** Enterprise solutions has designed and built an ERP pakage with the primary goal of meeting and exeeding current and future business challenges. Complementing this primary goal are affordability, efficiency, and leveraging existing IT infrastructures.

With **iLedge** Enterprise Solutions products, your business advantage is:

- ◉ Business solutions through technology, not technology solutions for business
- ◉ Affordable solutions for your enterprise
- ◉ Streamlined workflows for optimum efficiency
- ◉ Intuitive user interfaces
- ◉ Microsoft-based technologies
- ◉ Easy integration into existing information technology Infrastructure
- ◉ Leverages your current capital investments
- ◉ Enterprise wide business process support
- ◉ True enterprise support
- ◉ Total solutions for manufacturing, accounting, distribution and eBusiness

Business Served by Technology

iLedge Enterprise Solutions knows that achieving business goals is your number one concern. That is why we sell intelligent business solutions, coupled with inteligent technology. We have strategically designed business solutions based on industry best practices, and selected the best technologies to implement these solutions in the form of business software. With true .NET architecture, our development is streamlined, cascading true value to the customer. Microsoft is a proven platform not only for small and midmarket, large enterprises as well. Microsoft has a strong presence in both the front and back office, with desktop application offerings and robust, scalable database capabilities. By using these technologies, **iLedge** Enterprise Solutions leverages your current investments in networking, operating systems, database, utilities, and training.

iLedge Enterprise Solutions products seamlessly integrates into your existing environment. One of the most exciting elements of leveraging technologies is the potential to take your core business data (managed by **iLedge**), and extend this data to every requirement your organization imagines. Your development staff can expose your inventory, manufacturing schedules, planning horizon, purchase order status, customer delivery schedule, and accounting data to other applications. By sharing your core business data, there is no limit to your ability to improve your processes, increase your business success, and generate top customer satisfaction levels.

Some of your benefits from leveraging technologies are:

- ✓ **iLedge** products leverage your current investments in desk top PC's, Microsoft operating systems and Microsoft SQLServer
- ✓ **iLedge** products integrate easily and seamlessly into your current operating environment
- ✓ **iLedge** products leverage the expertise of your IT and other staff
- ✓ **iLedge** can rapidly be extended to any area of your business by sharing core business data with existing or new applications

The Era of World Class Manufacturing

To give manufacturing businesses an edge in today's global competition, iLedge incorporates streamlined workflows that seamlessly integrate into your natural business processes. To support a range of manufacturing business requirements, iLedge supports the traditional push workflow (work order based), as well as the modern pull workflow (agile, cell, flow, JIT, lean). This provides manufacturers the most flexible ERP environment available today.

Just a few WCM supported features are:

◉ Powerful product configuration tools
◉ Repetitive/back-to-back orders to manufacturing
◉ Internal/external Kanban routines
◉ Flexible backflush processing
◉ Make-to-ship/ship-from-WIP for lean manufacturing
◉ Friendly and robust MPS module

World Class Manufacturing Benefits

Getting products to customers cheaper, faster and with improved quality is one of the hallmarks of today's businesses. However, without a supporting EPR system, operating overheads increase, driving up costs at the expence of customer and market satisfaction . By using iLedge, manufacturers do not incur higher overheads, because the lean concepts are part of iLedge's workflow design.

Once implemented, your business experiences all of the direct and indirect benefits of this leading edge business practice.

◉ Reduction of non-valued headcount
◉ Reduction of warehouse space
◉ Reduction of inventory needs
◉ Reduction of stock shortages and outages
◉ Reduction of material handling
◉ Increased cash flow
◉ Greater discounts for payment terms
◉ Minimized data entry
◉ Correct product configuration, specification, and pricing
◉ Reduction in warranty claims
◉ Improved competitive positioning
◉ Increased market share
◉ Strengthened customer loyalty

Our Products

The iLedge product suite not only offers core business functionality, but packages this functionality in efficient workflows built right into the enterprise software. Coupled with an elegant, highly efficient UI, intuitive and useful workflows are enabled. This allows you to focus on your business needs and opportunities, rather than on managing the software. Our products support your entire scope of business processes. Customer management, order fulfillment, production, and the financial management business processes are all supported. Our unique advanced features offer functionality found in no other enterprise software solutions in its class and is regarded as "Best in Class" ERP solution for mid-market businesses.

ILedge Enterprise Highlights

As a completely integrated ERP package OLedgeERP offers an array of features to enable successful business results in the arena of global competition.

◉ Multi-currency , multi-company
◉ Integrated sales, purchasing, manufacturing, operations, accounting and eCommerce.
◉ Robust security
◉ Historical views of your business
◉ On screen help functions
◉ Maintenance agreements
◉ Compliance reporting
◉ Workflow-based software
◉ Business intelligence
◉ Executive Information System
◉ Supply Chain Management
◉ Customer Relationship Management
◉ Corporate Performance Management
◉ Event-driven communications
◉ Lean manufacturing workflows
◉ Extensive sales management features
◉ Sophisticated product configurator
◉ Service and repairs
◉ Electronic data exchange (EDI)

Inventory Control

Efficient handling and control of Inventory are essential and crucial elements of any manufacturing business. Warehouses establish structures to house your most valued assets, the inventories. The intelligent design of **iLedgERP** modules provides for the challenges associated with multiple warehouses. As inventory is transacted throughout the integrated **iLedgERP** modules, inventories are debited and credited automatically along with its cost and provides for a complete tracking, reporting, and accounting of inventories. A few highlighted features are:

- Multiple stock locations
- Stock availability parameters
- Flexible location controls
- Lot control
- Item-level parameters
- FIFO, LIFO, and Expiry controls for stock allocation and use
- Complete physical inventory support
- Complete cycle count support
- Quality assurance with SPC support
- Inter-warehouse transfers

Product Engineering

Engineering products is a critical process to manufacturers. **iLedgERP** incorporates this process into the enterprise. By integrating engineering with manufacturing, the path for designing and building products are brought together. The BOM for production is always in sync with the latest engineering changes, eliminating the errors in manufacturing which can occur due to out-of-date Bills of Material.

iLedgERP Enterprise offers these advantages:

- Unlimited level (LLC) support
- Effectivity and expiry date control
- Revision control
- Commercial parts cross-reference support
- Reference designator for drawing
- On-line drawing and engineering instruction
- Use-to-exhaust capability
- Global where-used
- Full explosion/implosion capability

Engineering R&D - Laboratory

iLedgERP provides Engineering R&D an independent environment in which product development may occur without any impact to, or limitations of, ongoing manufacturing environment while utilizing all the functionality and latest data available. **iLedgERP** allows complete revision history to track variations of assemblies and formulas. Additionally **iLedgERP** is also designed to meet the unique challenges of process manufacturing. Products can incur losses due to evaporation, spillage, and reactions. These factors can be defined for process manufacturing, ensuring production requirements are met. The ability to formulate, test, and revise is critical to chemists and scientists as they perform research and development. **iLedgERP** allows complete revision history to track variations of formulas.

Sales Order Management

iLedgERP's powerful Sales Order Management module facilitates your Customer Service organization and business processes. By leveraging workflow-based systems, your business is conducted easily, quickly, efficiently, in a completely integrated environment.
Just a few of the features are:

- Control of outputs, such as FAX, e-Mail, printer
- line Item delivery options
- line Item delivery date options
- Flexible delivery with ASAP and TBD
- Internal and external communications facilities
- Robust pricing to support tiers and categories
- Robust discount structures
- Support of sundry charges
- Flexible item allocation
- Views of item availability
- Availability and delivery calendar
- VAT support, by item

Purchasing

The **iLedgERP** Purchasing module provides a rich environment to set up vendors, establish parameters on both suppliers and items, and to control and monitor suppliers performance in both quality and on-time delivery. Additionally, it supports purchasing contacts with automatic allocation and PO generation, as well as vendor certification process.
A few features are:

- Create and maintain supplier
- Item delivery address with Contract and Blanket PO
- Item delivery by date
- Drop-ship deliveries
- Deliveries driven by TBD and ASAP parameters
- Return Material Authorization (RMA)
- Supplier part statuses
- Approved Vendor List (AVL)
- Source restriction at the part level
- Flexible multi-pricing
- Flexible discount methods

Shop Routing

iLedgERP Shop Routing module provides manufacturing engineering a robust set of tools and featurs to define and control the production environment. Thus products are built with reliable consisterey. This modoule also measures efficiency and productivity of manufacturing and provides a detailed performance reporting of all resources in real time.
Some tools and features include :

- Manufacturing instruction per routing, per assembly.
- Standard and alternate routing per assembly
- Unlimited work center, machine, and tools support.
- Outside processing support
- Job status and production performance

MPS & Capacity Planning

iLedgERP Advanced Planning and Scheduling Module supports both finite and infinite scheduling along with rough-cut and detail capacity planning to effectively and efficiently level-load the production floor. Flexible demand generation capability of **iLedgERP** can easily be set to consider actual customer orders, forecasted orders or a combination of both.
These features are accomplished through:

- Forward and backward scheduling
- Drill down demand to customer order
- Automatic forecast consumption and forecasting
- Shop floor optimization
- Load balancing
- Resource utilization

Material Requirements Planning

The **iLedgERP** MRP Module enables real-time planning of material and work to support efficient utilization of resources and on-time delivery of customer orders.
Planing and support is achieved through:

- Drill down demand and replenishment to customer order
- Net change and regeneration
- Mix-mode ROP and MRP support
- Flexible bucketed and bucketless support
- Detail order action recommendation
- What-if simulation

Manufacturing Control

The robust capabilities of **iLedgERP** can easily accommodate your manufacturing processes. By featuring a variety of methods, **iLedgERP** can support both traditional and lean environments.
Manfacturing support features include:

- Orders, confirmed via MRP or directly entered
- Full Kanban support
- Visibility of future demand
- Flexible views of work (by product, order, location, due date, etc.)
- Automatic Release
- Recognition of all work activities and items
- Work-in-process by location
- Real time monitoring of shortages
- Issue short
- Build short

Product Manufacturing & Costing

iLedgERP provides a robust set of tools and features supporting LIFO, FIFO, Actual and STD Costing methods.

- Calculation of labor rates
- Robust support of activity centers
- Activity Based Costing (ABC)
- Yield and efficiency factors
- Effectivity-driven parameters
- Subcontract and outsource process support
- Tracking of Labor attributes
- Work done accreditation
- Choice of costing options
- Choice of cost basis

Repetitive Manufacturing

Repetitive manufacturers face different challenges, and seek to adapt Lean Manufacturing practices into their operations. These practices reduce and eliminate tasks, events, and activities that add no value to repetitive manufacturing of electronic , automotive, and consumer products. These practices are designed to allow more flexibility in operations, optimizing inventory levels, lowering costs, reducing inventory transactions, and ensuring high quality products. In high - volume repetitive manufacturing environments, efficiency is achieved through material flow, minimal transactions, and production visibility. **iLedgERP** Repetitive Manufacturing provides complete support for these pull _ type of production environments.

Product Configuration

Many products have variations within their core functionality. These variations are configurable options, which must be expressly defined during the order process. Quickly configuring product options, then pricing these options is a requirement in today's competitive environment. By integrating product configuration capability into **iLedgERP**, users can quickly build and price various configurations, and generate sales orders directly from the build.

Bar Coding

As manufacturers seek to reduce costs, operational efficiency has become a metric. Part of this metric is the ability to efficiently move material through operations from the receiving dock to customer shipments. By leveraging bar coding, **iLedgERP** provides a robust set of functions to track and control all manufacturing operations by bar code. This feature supports receiving, inspection, inventory movement, production cycles, testing, finished goods storage, customer shiping, and RMA functions.

ECO Management

Modification of parts is a natural process in engineering. Parts are improved; new parts become available, existing parts change for new product requirements. These changes are often tracked through a series of manually-based procedures, and accompanied by the associated paperwork. As the paper-based system is executed, it remains separate from the ERP system until the system is updated. Often, this lag generates production errors during the window of the Engineering Change Order approval process. By incorporating the ECO process into **iLedgERP**, all constraints, instructions, and updates are immediately made throughout the system. This end-to-end integration allows engineering managers not only to record engineering changes, but also to document the cost of the change, set parameters and windows on the effectivity of the change, and make the change part of the iLedge workflow. This automatically communicates and enforces engineering rules (parameters) within the various business processes. Costly production errors are averated, for example, when purchasing parameters are immediately updated, thus ensuring new parts arrive in time for planning needs and ceasing the manfactures of absolute parts(according to the rules).

Financial Modules ✕

Accounting is seamlessly integrated, and dynamically interacts on a transactional basis. High-level features provide reliable support in the following categories:

Accounts Payable

The Accounts Payable (A/P) Module provides the basis for tracking, reporting, and resolving liabilities. Integrated features include:

- Multiple ledgers
- Invoice to voucher matching
- Stocking independent of receiving
- Invoice balance control
- VAT calculations
- Automatic due date calculations
- Debit notes
- Credit notes

Accounts Receivable

The Accounts Receivable (A/R) Module provides the basis to track, report, and receive funds against customer commitments. Functionality highlights are:

- Invoice independent from shipping
- Flexible automatic invoicing
- Export shipment consolidation
- Staging of payments
- VAT compliance with ECC
- Recognition of settlement discounts by VAT

General Ledger

The General Ledger (G/L) provides the information for financial reporting. Accounts are defined according to your business. The integrated **iLedgERP** modules then reference these accounts for operational transactions. This allows for GAPP financial reporting for reports as trial balances and income statements. Highlights of this function are:

- User-defined accounting periods
- Robust chart of accounts functionality
- Unlimited Accounts Definition
- Numerous types of account
- Unlimited department definitions
- Financial periods can remain open
- Financial year can remain open with Sarbanes-Oxly, GAAP and IAS compliance
- Robust financial periods
- On-demand VAT reporting

Fixed Assets

Every organization has capital equipment. Using **iLedgERP** Fixed Assets, you can enter, maintain, tag, track, and disposition your assets. A rich set of parameters allow you to depreciate your assets, assign status, and ultimately disposition the asset.

CRM

Over the last decade, businesses have discovered the importance of managing their relationships with customers. Studies have shown a variety of data that drove companies to require changes in the way customers are handled. This required information systems to capture, track, report, and analyze data between a business and its customers. Businesses now know that the real cost of loosing an 'A' or 'B' customer is quite high in terms of sales dollars.

iLedgERP provides a comprehensive forum to collect, report, and analyze data about your customers. By having a global view of your customers, you have the ability to make the best decisions possible in creating and maintaining strong relations. Customer requirements, customer issues, product mixes, product returns, sales opportunities, and more, are part of this global view provided by **iLedgERP**

Ecommerce

eCommerce can be defined by doing business over the Internet. With this broadly painted definition, eCommerce can mean just about anything. However, what is important is what your business requires to capture market share, increase the efficiency of business processes, create new markets, access to existing markets, or sales over the Internet. These are just a few of the opportunities that await your business on the Internet. e Commerce will be conducted in the context of your core business processes. This means access to your ERP data and systems. With **iLedgERP**'s eCommerce Suite, access to your company information is no longer a barrier to expanding your business opportunities. By offering a highly configurable UI, you can customize eCommerce to your unique business requirements.

Supply Chain Management- SCM

Manufacturers have come to recognize the costs associated with their supply chain. As competition tightens markets, manufactures seek to reduce operating costs. Knowing how to bring ERP to your supply business processes offers tremendous opportunities in cost savings. Connecting partners in inter-company processes enable collaboration. This yields greater process integration, visibility, and synchronization between business partners. By creating an end-to-end business process, **iLedgERP** provides the ability to tightly integrate the supply-base business processes to the Enterprise business processes, and out into the distribution business processes. This dramatic model not only improves the supply cycle, but offers your customers the results of highly effective and efficient processes.

Decision Support

ERP systems are superior instruments at collecting data. In fact, that is their basic purpose. Along with collecting data about operations, reporting is offered. This reporting is typically a "snapshot" of a specific point in time, or a "what happened" report. Each are static, and provide views that are informational in nature.

Decision support is an analytical function that correlates massive amounts of data. This data is then presented in useful ways for managers to interpret. Furthermore, this data can be mined in ways that provide additional views, adding dimensions to the data. Ultimately, the reason behind the presented information is uncovered, and the managers can thereby act directly against underlying causes of problems. The tool that facilitates this process is known as decision support (or Decision Support System).

iLedgERP offers a robust functionality to provide your managers the ability to better understand their business and operations. This leads to **correct decision making** at the right time, at all levels of the organization .

Business Intelligence

ERP systems, by definition, collect, store, and process your business information. All ERP systems provide reporting capability against the thousands of transactions performed daily. These "transactions" provide a "snapshot" of what occurred within your business operations. This information is very useful for line managers who control the operation of your business. However, understanding the information, what it means, what to analyze, and how to look at the information is another domain altogether.

Business executives are responsible for the strategic aspects of their companies. Therefore, it is imperative that they have meaningful information about their operations in strategic terms. With **iLedgERP** BI, company executives can use metric dashboards to monitor the performance of the company. These Key Performance Indicators (KPI) are the critical indicators established by the executive management to guide and monitor the company.

Our Partners | English

iLedge Enterprise products are sold and deployed by our professional partners. These partners are skilled sales and service professionals who can assess your needs, and arrange for the sale and implementation of **iLedge** products. By understanding your business requirements, our partners expertly deploy enterprise systems as solutions for your business.

i EDGE ®

Enterprise Solutions

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