

SSA® ERP_{LN} 6.1



A Next Generation Platform.

SSA Global is pleased to announce the General Availability of SSA ERP_{LN} 6.1. This new release from SSA Global™ offers advanced new capabilities for organizations in hybrid discrete manufacturing.

Improvements in employee effectiveness

SSA ERP_{LN} 6.1 has been designed to improve the user environment and enable your employees to be more effective in their day-to-day business activities.

New Thin User Interface: features include wizard-based, centrally deployed server installation; fewer screens and fewer mouse “clicks”; personalization either centrally or by user; efficient screen design that facilitates links to sessions or desktop programs; shortcuts; full keyboard support (alternative to mouse); and easy filtering.

Role Dashboards: these provide a single point of access to multiple sessions allowing end users to perform certain tasks according to roles including material planner, engineer, shop floor scheduler, account manager, purchaser/buyer, project manager, service support analyst, accounts payable, accounts receivable, and employee administrator.

Adapting to the demands of your business — unrivaled manufacturing and operational enhancements to move your business forward faster with SSA ERP_{LN} 6.1.

» advancing your business with advanced capabilities.

Flexible Business Process Step Matching: this option allows customers to automate and streamline steps in business processes including product configuration without project control, order grouping, purchase, sales, receipt, inspection, outbound, and shipment.

Fast Data Entry: streamlined entry screens throughout the system facilitate data entry for production orders, generic items, sales orders, sales order lines, project contracts, inspection orders, item storage/inspection, document revisions, changes, service orders, maintenance sales orders, and work orders. Also covers financial business processes including accounts payable, accounts receivable, sales invoicing, invoice-source relations, and ledger mapping.

Operational enhancements

Major new functionality is available in SSA Leanware for lean manufacturing operations, in line assembly control for mixed-model assembly, for freight management and in accounting that tracks employee hours, and in depot repair with full lifecycle management. Also included is enhanced ability to lower costs and increase flexibility by scheduling demand, to reduce supply chain inventory levels by using consignment stock (vendor-managed inventory), to reduce procurement costs by using enhanced sourcing strategies, and to reduce costs and increase service levels using flexible, multi-site freight management.

26 new modules including:

Manufacturing – Assembly Control, Manufacturing Control

- Product configuration with or without project control to reduce operational overhead
- Ability to cost-effectively introduce new configurations and product structures without changing part numbers
- Efficient support of the planning, production, and handling of customer-specific products without

efficiency losses that come from having to plan and produce variants individually

- Ability to manage product configuration across business partners within the supply chain
- High-volume production of configurable products
- Unit effectivity to accommodate product variants with a very low operational overhead (one bill of materials)
- Serialized items to facilitate product registration at all stages of the product life cycle. Different levels of track and tracing are possible including complete track and tracing “in inventory” and in highly regulated and typically low-volume environments such as aerospace and defense (rocket engine-parts). Also enabled are on-order level track and tracing for high-volume environments such as telecom (phones) for sales, and the ability to register after picking what serialized items are picked for production (serialized components used during production are registered during production).
- Input/output control to improve predictive capabilities of the shop floor
- Queue time compression and priority setting for on-time delivery
- Costing and planning work center to increase flexibility on the shop floor
- Material-routing relationships to improve alternative routings
- Repetitive manufacturing to level production orders over critical capacity
- Order grouping
- Approved manufacturers lists
- Micro-routing for detailed work instructions
- Reference designators
- Cross-docking for transfer of received goods directly from a receiving location to a staging location without storing them in a pick or bulk location. Support for different sources of goods (production, supplier, etc.).
- Handling units

- Line assembly control for single-piece production of products with unique configuration to support product engineering and process design and advanced material supply methods. This is the only off-the-shelf application capable of translating the engineering view to an assembly view without the traditional MRP paradigm. Engineers can design systems and process engineers can design assembly processes. Proven support for operations with extremely high numbers of transactions and for lean systems. Designed to minimize system tasks to be performed by users.

SSA Leanware – Product Structure, Production Cell Definition, Kanban, Graphical Tools

- Ability to transition easily from traditional to lean operations
- Production triggered by customer orders
- Cellular production
- Graphical tools to level production/Kanbans
- Replenishment Kanbans
- Supplier portal (provides visibility in a graphical environment)

Planning Board, Integrations, Messaging

- ATP/CTP for configurable items and customized items
- Fixed delivery moments
- Resource order plan; improved insight in capacity plan
- Date effectivity on item type; make or buy
- Improved lead-time planning
- More lead-time components supported
- Improved calendar search logic

People – Budgets, Hours and Attendance, History

Project – Project Estimating

- Top down/bottom up estimating
- Alternative versions
- Project schedule (MSP) estimating
- Excel integration for calculations and reporting
- Bidding solution
- Word integration
- Creation of project budgets based on estimates

Sales – Sales Schedules

- Reduced operational costs
- Increased flexibility in dealing with customers
- Pull-based sales
- Streamlined sales processes and reduced costs
- The use of electronic (EDI) messages for B2B communication
- FAB/RAW authorizations
- Sequence shipping schedules
- Closed-loop advanced shipment notices (ASNs)

Procurement – Purchase Schedules

- Reduced operational costs
- Increased flexibility in dealing with customers
- Pull-based procurement
- Streamlined procurement processes and reduced costs
- The use of electronic (EDI) messages for B2B communication
- Support for handling cumulatives (CUMs)
- FAB/RAW authorizations
- Sequence shipping schedule
- Closed-loop advanced shipment notices (ASNs)

» advancing your business with advanced capabilities.

Freight Management – Freight Order Control, Rough Planning, Load Building, Freight Rates, Freight Invoicing

- Ability to integrate more efficiently with 3PLs
- Ability to integrate logistics with sales, procurement, and intra-warehouse shipments
- Improved delivery performance through more accurate calculation of shipment times
- Ability to manage increased supply chain complexity
- Ability to invoice customers, departments, and suppliers for the correct shipment cost
- Reduced global inventory levels through tighter logistics processes

Service – Subcontract Management, Work Control System, Maintenance Sales Control, Activity Management, Business Control

- Increased service levels through call management improvements
- Project management for installation jobs
- Increased revenues through depot repair
- Increased service levels and revenues from service
- Support of RMA and receipt in warehouse
- Subcontract repair control
- Support replacements
- Ability to update configuration changes
- Ability to create invoices taking warranties and contract coverage into account

Object Data Management – Queries and Reports

28 improved modules including:

Manufacturing – Shop Floor Control, Product Configuration

Project – Project Requirements, Project Progress

- Project management capabilities of project module can be used to manage large service jobs
- Service orders can be created from project activities
- Service costs can be rolled up

Enterprise Planning – Resource Planning, Demand Planning

Sales – Pricing Control, Sales Contracts, Sales Order Control, Commission, and Rebate Control

Finance – Accounts Payable, Cash Management, General Ledger, Sales Invoicing

- Multi-base currency
- Improved, flexible mapping schemes
- Cross company processing
- Open entry dashboards
- Central invoicing for management activities of all operations
- Enhanced dimensional accounting
- Reconciliation operations management
- General ledger account matching
- Factoring
- Procurement card processing
- Uninterrupted payments/direct debits
- Trade notes
- Flexible budgets (fixed, variable, allowed costs)
- Inter-company transfers

Procurement – Pricing Control, Purchase Contracts, Purchase order Control

- Approval and audit trails
- Tighter control over purchase budgets and reduced costs
- Reduction of material spend
- Faster, more structured RFQ process
- Safeguards for preferred suppliers status
- Automatic performance management based on online information
- Improved cash flow
- Better delivery performance

Warehousing – Inventory Handling, Inventory Planning, Inventory Reporting

- Simplified procurement
- Lower inventories
- Increased flexibility for demand changes
- Improved cash flow
- Reduced operating costs
- Faster engineering change order implementations
- Lower inventory write-offs

Common – Calendars and Periods, Table Management

- Ability to distinguish between financial and logistical company structure
- DEM and enterprise structure modeling
- Dependent and independent multi-currency
- Data sharing tool

Service – Contract Management, Configuration Management, Call Management, Service Order Control

- Easy registration of service requests
- Notification response and resolution-based defined service levels agreements
- Escalation of service requests not resolved in a timely fashion
- Ability to create optimized schedule taking into consideration routes, response times, skills, and appointments
- Intuitive user interface supporting drag and drop
- As-maintained bill of materials can be created based on the as-built that is registered during production
- Changes in configuration can be updated from the service order and the depot repair order
- Service contracts and warranty can be related to specific serialized items

Object Data Management – Documentation Management, Change Management

Systems enhancements

SSA ERP_{LN} has a modern, very solid technology foundation, providing enterprises an operating environment which enables them to achieve rapid ROI, excellent end-user satisfaction, and low total cost of ownership. The architecture of SSA ERP_{LN} has been fundamentally changed to improve interoperability of the system. Business entities provide a business level interface that hides ERP complexity by capturing data and business logic. To increase efficiency, a mechanism is available to detect and publish business entity changes. These improvements reduce redundancy and increase performance for both real-time integration and high-volume data exchange. This combination of SSA ERP_{LN} and SSA Technology Architecture enables a strong and efficient solution that easily interfaces to the outside world.

» advancing your business with advanced capabilities.

By using known standards such as WSDL, SOAP, Web-services, JDBC, and JAVA®, organizations are able to reduce the cost of integration, increase flexibility, improve responsiveness, and boost operational efficiency.

Central Deployment: SSA ERP_{LN} software is installed via a staging area. The collection of software that must be installed is collected in this staging area. Next, the staging wizard guides the administrator through the setup steps. After this configuration, the actual installation is performed on the remote server. This installation step, which is the most time-consuming, can be performed unattended. A prerequisite is that the RDBMS of choice has been installed. The staging area and wizard are available on the Microsoft® Windows platform; actual application installations are enabled for all platforms supported by SSA ERP_{LN}.

The User Interface (SSA Webtop) requires the installation of a central web service. The fat client variants, SSA Worktop and SSA BW, can be installed on the local desktop or set up as a centrally deployed application. In the latter case, no local installation is required except for a one-time installation on a central share from which the user can launch it as if it were available on his/her own desktop.

The SSA ERP_{LN} software requires as a minimum one (1) server for a combined application and database install. This is a good setup for less demanding environments. However, SSA ERP_{LN} is quite flexible in supporting different deployment models, including two-tier and three-tier models with associated performance, scalability, and security benefits. In those models the database and application server run on different machines, allowing multiple application servers using one or more database servers.

Improved System Management: turning multi-component installation into a one-step process greatly optimizes the installation of SSA ERP_{LN}. Moving the configuration steps to the beginning of the installation process makes the actual installation unattended.

Executing reconfigurations of tables natively in the database optimizes reconfiguration tools.

The multi-site table-sharing tool helps in visualizing and guiding the administrator or key user in setting up multi-site table relationships, which makes the process much faster and less prone to errors.

System Management Tools include:

- Database Management
SSA ERP_{LN} is supported in combination with Informix®, Oracle® SQL Server, and DB2. The database management module provides the required tools to manage the required database interaction, like database configuration, user management, import, and export.
- PMC
The product maintenance and control (PMC) tool manages the implementation of service packs and individual patches, also called solutions, into a customer's SSA Global system. The PMC tool is used to check solutions for completeness and customization interference. PMC keeps track of all installed solutions and their dependencies, assuring consistency of the installed software. The customer's SSA Global system contains a PMC repository, which registers solutions already installed and how they relate. New solutions will be checked against this PMC repository, in order to guarantee consistency of all solutions. De-installation of patches is supported as well. PMC further allows for bundling of PMC solutions into a single service pack deliverable.
- Multi-site table-sharing tool
The multi-site table-sharing tool guides customers in setting up table sharing in a multi-site setup based on their requirements.
- Licensing
SSA ERP_{LN} is licensed via SSA TA License Manager, the common SSA Global license product focused on enabling a license mechanism with a minimum of overhead for customers.
- Application Service Manager (ASM)
ASM provides functionality to externally trigger ERP parts to get started. It's mainly used by SSA,

TA openWorld to initiate communication channels.

- System Management Interfaces (BMC, open-View, ...) Scheduled for 2005
- Auditing
The SSA, ERP_{LN} 6.1 tools, called SSA Enterprise Server, provide mechanisms to log changes via audit tables, providing audit profiles, audit trail security, and import/export functionality.
- Job Management
SSA ERP Job Management provides functionality to manage, schedule, and monitor SSA sessions based on the following:
 - Business calendars
 - Periodical runs by minutes, hours, days, weeks, or months
 - External job schedulers

User Administration: SSA ERP_{LN} User Management manages the SSA Global user's profile for end-user and developer-specific configurations such as:

- Device preferences
- Application authorizations based on user roles and/or default user templates
- Development related authorizations for specific sessions or tables

The authorization management system provides functionality to:

- Manage user roles including sub-roles for role-based authorizations, enabling authorization on session, table, table field, and library level
- Manage user templates for commonly used settings of end users and developers
- Manage address book settings for the SSA ERP messaging facilities

Operating System/Database Support

SSA ERP_{LN} 6.1 provides drivers to support:

Operating System and Database Support – July 2004 (Actual)

	Supported OS	Oracle 9i, 10g	Informix 9.4	DB2 8.1	SS 2000
HP9000_PA8000/HPUX (PA 2.x)	11.00, 11.11	X	X		
IBM_RS6000/AIX	5.1, 5.2	X		X	
INTELWIN	2000/2003	X			X
SUN_SPARC/SOLARIS	8, 9	X			

Operating System and Database Support – December 2004 (Planned)

	Supported OS	Oracle 9i, 10g	Informix 9.4	DB2 8.1	SS 2000
HP9000_PA8000\HPUX (PA 2.x)	11.00, 11.11	X	X		
IBM_RS6000\AIX	5.1, 5.2, 5.3	X		X	
INTEL\WIN	2000/2003	X			X
SUN_SPARC\SOLARIS	8, 9	X			
INTEL\SUSE Linux ES	8	X	X		

Operating System and Database Support – May 2005 (Planned)

	Supported OS	Oracle 9i, 10g	Informix 9.4, 9.5	DB2 8.1	SS 2000
HP9000_PA8000\HPUX (PA 2.x)	11.00, 11.11	X	X		
IBM_RS6000\AIX	5.1, 5.2, 5.3	X	X	X	
INTEL\WIN	2000/2003	X			X
SUN_SPARC\SOLARIS	8, 9, 10	X	X		
INTEL\SUSE Linux ES	8	X	X		
IA64\HPUX	11.23	X	X		
IA64\WIN	2003	X			X

How to Order – To order SSA ERP_{LN} 6.1 please contact your SSA Global sales representative or consult a Customer Service representative near you.

Customer Support – For questions regarding SSA ERP_{LN} 6.1, please visit SSA Global OnePoint Support at <http://onepoint.ssaglobal.com> or consult a Customer Service representative near you.

Languages and Localizations – For information regarding localizations and language availability, please contact us at ssaglobal@ssaglobal.com.

Global Headquarters

500 West Madison Street
Suite 1600
Chicago, Illinois 60661 USA
T +1-312-258-6000
F +1-312-474-7500

Asia, Pacific & Japan
T +612-9855-7100
F +612-9855-7298

Europe, Middle East & Africa
T +44-1276-417-200
F +44-1276-417-201

Latin America (Brazil)
T +55-11-5508-8800
F +55-11-5508-8801

Latin America (Mexico)
T + 52 (55) 52 01 55 00
F + 52 (55) 52 01 55 90

www.ssaglobal.com

*Please contact your local SSA
Global office regarding availability
of products in your region.*



forward faster

© 2004 SSA Global Technologies, Inc. All rights reserved.

The SSA Global logo, SSA Global, forward faster are trademarks and SSA is a registered trademark of SSA Global Technologies, Inc. in the United States and/or other countries; JAVA is a registered trademark of Sun Microsystems, Inc.; Oracle is a registered trademark of Oracle International Corporation; Informix is a registered trademark of Informix software, Inc.; Microsoft is a registered trademark of Microsoft corporation. All other company, product, trade or service names referenced are trademarks of their respective owners.