



# Savi SmartChain® Enterprise Platform

- The Savi SmartChain Enterprise Platform Provides:**
- Single enterprise platform support for multiple supply chain applications.
  - Supply chain business processes for the extended supply chain.
  - Ease of configuration.
  - Reduced AIDC network management costs
  - Reduced time managing local and enterprise business rules.
  - Reduced costs of local firmware, business logic and integration changes and upgrades.
  - Simplified, unified, and reduced integration to enterprise systems.



## ***Supply Chain Process Management, Enterprise Network Management & Integration***

Today's global supply chains require a scalable solution to meet the requirements of managing real-time information across multiple-enterprises in the extended supply chain. Most RFID solutions focus only on single sites and do not provide supply chain process management and enterprise network management - two essential functionalities needed to support a global supply chain and integrate real-time data to companies' existing enterprise systems. Without an enterprise-level RFID process and network management platform at the core of their supply chain solution, companies are not able to:

- Read data from multiple AIDC technologies and multiple locations including suppliers or customers outside the enterprise.
- Filter and manage large read data loads from multiple read locations.
- Convert read data into supply chain events and processes.
- Reconcile event irregularities between supply chain locations.
- Provide enterprise level management by exception to raise appropriate alerts.

Site based AIDC solutions fall short in managing real-time supply chain business processes at the enterprise level, plus, they require additional labor costs for the support staff to maintain local AIDC networks.

Designed for extended multi-enterprise supply chain business processes, Savi's proven, fifth generation SmartChain Enterprise Platform provides a scalable platform and essential functionality with:

- Supply Chain Process Management
- AIDC Network Management
- Enterprise Integration and Alerts

SmartChain Enterprise Platform translates and processes all supply chain data into valuable business information. SmartChain Enterprise Platform acquires and manages data from virtually any source, including bar code scans, active and passive RFID tag readers, GPS, and EPC, traditional EDI and application-generated data. SmartChain Enterprise Platform translates the data into a common format, then filters, aggregates, and processes it into actionable business information.

SmartChain Enterprise Platform makes sense of the disparate supply chain data and is tightly integrated with Savi's web-based SmartChain Applications. The final piece to a complete supply chain solution, the SmartChain Enterprise Platform full-featured applications enable visibility, management and security of supply chain assets and their contents in the supply chain for enterprise companies. The Savi SmartChain Application suite includes:

- SmartChain Asset Management Application
- SmartChain Asset Optimization Application
- SmartChain Consignment Management Application
- SmartChain Chain of Custody Application
- SmartChain Transportation Security Application

**Supply Chain Process Management**

SmartChain Enterprise Platform includes sophisticated process management for modeling and managing detailed supply chain processes, work plans, routes and schedules. SmartChain Enterprise Platform's Library of Standard Supply Chain Activities and pre-defined templates enable easy configuration of the processes and activities performed in a specified order in each zone. By seamlessly transforming all read data into business events, activities, and processes, and then continuously monitoring those events and processes, SmartChain Enterprise Platform ensures accurate real-time processing of even the most complex supply chain operations.

The SmartChain Enterprise Platform's security model enables multi-enterprise operations by managing user and group access permission, ensuring that participants can only see the data and functionality required for their roles. For example, customers or suppliers will be able to see only their secure order information. They will not have access to any data that has not been defined for their user or group access. Not only does this protect sensitive and proprietary information, it also makes the user experience simpler and more efficient.

**RFID Network Management**

SmartChain Enterprise Platform manages complex, distributed, and heterogeneous, real-time data collection networks to minimize total cost of ownership. SmartChain Enterprise Platform's remote network management capabilities simplify set-up, configuration, and ongoing maintenance of data collection hardware and firmware. The SmartChain Enterprise Platform's network management features monitor the connectivity and activity of remote devices, automatically optimizing performance and alerting system administrators of any potential system problems. If a problem is detected, administrators can remotely diagnose and solve the problem. SmartChain Enterprise Platform's key RFID Network Management Functionality includes:

- The configuration and control of network devices
- Firmware and software updates for centralized management of supply chain locations
- Continuous monitoring of network status with real-time failure alerts
- Network performance and status reports
- Supply chain event history

**Enterprise Integration**

SmartChain Enterprise Platform is an open platform that comes with a full suite of documented APIs and web services enabling easy integration to enterprise systems and a Software Development Kit (SDK) enabling custom extensions. Existing supply chain applications, including planning, scheduling, analysis,

warehouse, transportation, and order management systems can all be real-time enabled by integrating with the SmartChain Enterprise Platform.

**Alerts Configuration & Management**

SmartChain Enterprise Platform configures and manages alerts and alarms for notification and exception management. Configured alerts notify managers of various supply chain events: a specific activity is complete, a business rule fails, or when actual supply chain events deviate from the plan. For example, if an asset does not arrive at an expected location, or a specific business activity, such as a pick up or drop off is not completed, an exception alert notifies the responsible party via the web, email, phone or pager.

**SmartChain Enterprise Platform Key Features:**

- Scalable web-based enterprise platform
- Real-time supply chain business process manager
- Library of standard, extensible supply chain activities
- Extensive Supply chain object model
- Single point of configuration for AIDC devices and processes
- Integrates multiple AIDC technologies
- Integration platform to ERP, SCM and legacy applications
- Configurable access and data security
- Supply chain event history

**SmartChain Enterprise Platform Supported Configurations**

	Web Server	Application Server	Database
MS Windows Server 2003	MS IIS 6.0	BEA Weblogic Server 8.1	Oracle 10.2
Sun Solaris 10	Apache 2.0	JBoss Server 4.0	
RedHat Enterprise Linux 4.0	Apache 2.0	IBM WebSphere 6.0	

**About Savi** With over 16 years experience, Savi is a proven leader in RFID solutions for the management and security of supply chain assets, shipments and consignments. Savi's integrated RFID hardware and software solutions drive business value, such as reducing supply chain assets, inventory and operational costs. Founded in 1989, Savi Technology is a wholly-owned subsidiary of Lockheed Martin, with headquarters in Sunnyvale, California, and offices in Johannesburg, London, Melbourne, Singapore, and Washington D.C. For more information, visit [www.savi.com](http://www.savi.com).

**About Lockheed Martin** Headquartered in Bethesda, Md., Lockheed Martin employs about 135,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. The corporation reported 2005 sales of \$37.2 billion.

**Contact Savi** Let us show you how Savi's supply chain solutions can work for your organization. In the United States, call toll-free 800-428-0554, international customers dia 408-743-8000. Contact Savi Asia at 65-62411191, Savi Australia at +61 03 9882 4430, and Savi EMEA at +44 1344 742 815 (Great Britain), or +2711 469-3144 (S. Africa). Visit [www.savi.com](http://www.savi.com) or email us at [sales@savi.com](mailto:sales@savi.com). Copyright © 2006 Savi Technology, Inc. All rights reserved. 6/11/06