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## SYSPRO 7 Features and Functionality

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Simplifying your Success

# About SYSPRO

SYSPRO is an internationally-recognized, leading provider of enterprise business solutions. Formed in 1978, SYSPRO was one of the first software vendors to develop an Enterprise Resource Planning (ERP) solution. Today, SYSPRO is a global company, represented on six continents and by more than 1500 channel and support partners. Thousands of companies across a broad spectrum of industries in more than 60 countries trust SYSPRO as the platform on which to manage their business processes.

Customer focus is a core component of SYSPRO's corporate culture and one of the key reasons for SYSPRO's strong leadership position in the enterprise application market. By focusing on people and building lasting relationships with customers and partners, SYSPRO consistently excels at guiding customers through all aspects of their adoption and ongoing usage. The aim is to deliver world-class solutions that gives customers the control, insight and agility they need for a competitive advantage in a global economy. As such, SYSPRO provides a unique combination of robust, scalable technologies that ensure minimal risk and a high return on investment.

SYSPRO continually develops remarkable software that simplifies operational effectiveness and keeps customers in control of their businesses. Our vision is focused on meeting customer needs today and in the future.



**SYSPRO provides a unique combination of robust, scalable solutions that ensure minimal risk and a high return on investment.**

# Introduction



We have an enviable track record in the ERP market for providing manufacturing organizations with the flexibility and customizability they need to differentiate themselves. The release of SYSPRO 7 is the next evolution of our commitment to helping our clients make their businesses more agile, simple and cost effective.

- Phil Duff, CEO, SYSPRO



With SYSPRO 7 we have invested resources in new technologies and provided an enriched powerful yet intuitive user interface (UI), empowering our customers to simply and effectively adopt and embrace these new technologies. A major development focus is to ensure SYSPRO operates effectively in high-volume transaction environments and provides greater functionality and performance for mobile users.

As a result, SYSPRO 7 further enhances productivity, fosters business growth, and provides an enriched user experience and ease of upgrading.

Integral to our development is the provision of new and enhanced functionality to deal with a technologically changing world, satisfy existing customer needs and broaden SYSPRO's fit with target industries.

SYSPRO recognizes that the era of collaboration and the 'consumerization' of technology has become a reality with social media, mobility, cloud and the requirement for a tailored and personalized business experience .





## SYSPRO 7 provides consumer-friendly software

The rapid consumerization of technology over the past few years has driven ERP applications to be more 'consumer-friendly'. Users embrace applications that are friendly to use and more intuitive. This entails both improving how users engage with the software, as well as how they acquire the software.

SYSPRO 7 has embraced this trend by providing a powerful yet intuitive user interface. While the mouse and keyboard are the preferred input mechanisms for power users, the touch interface will become increasingly commonplace over time. This generation of UI should work seamlessly with mouse, keyboard, pen and touch.

Through its mobile framework SYSPRO has provided an easy mechanism for deploying apps to mobile devices. Through the App Store SYSPRO has provided an easy platform for selecting applications.



### Mobility

Mobile devices play an increasingly important role in our daily lives, and more and more businesses want to use mobile devices to be able to access their data remotely as easily as if they were in the office.

Our new mobile solution, SYSPRO Espresso, will give customers access to all their business information as easily as if it were at their desk, and will work on any popular mobile device, including the desktop.

With the increasing trend towards mobility, ERP customers should be able to implement the software without having to consider a preferred phone or tablet device.



# SYSPRO's mobile platform

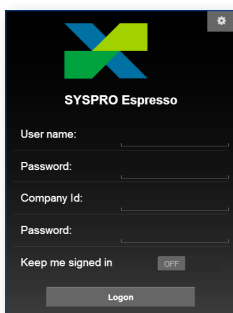
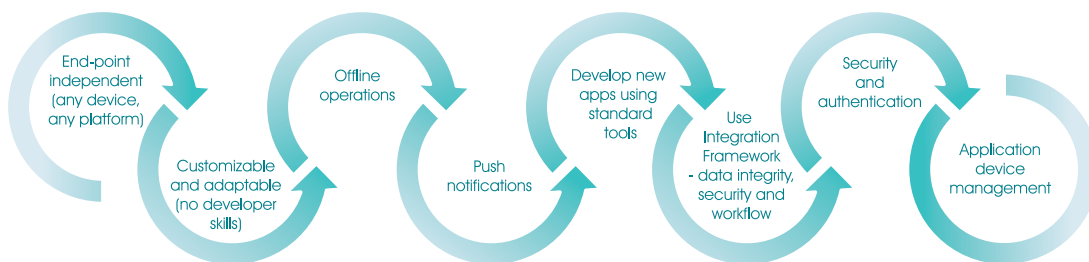
## – SYSPRO Espresso

SYSPRO Espresso is a next generation mobile platform for developing and deploying fully customizable mobile applications. Some of the key features of the product are:

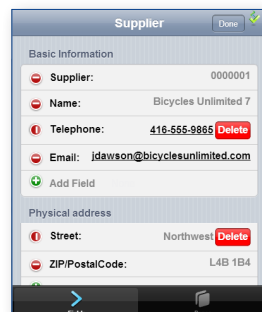
- End-point independence (for any phone, tablet, even desktop)
- Customizable and adaptable without requiring development skills
- Caters for offline operations
- Interacts with the device's native capabilities
- Allows for 'push' notifications
- New applications can be developed using standard tools (C#, HTML5)
- Designed to use SYSPRO Integration Framework's business objects and Windows Communication Foundation services, which ensure data integrity and delivery of secure content as well as enabling workflow approvals
- Built-in application device management
- Built-in remote security access and authentication



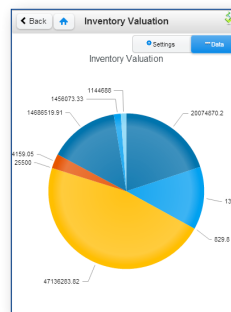
### SYSPRO Espresso key features



Android



iPhone®/ iPad®



Blackberry

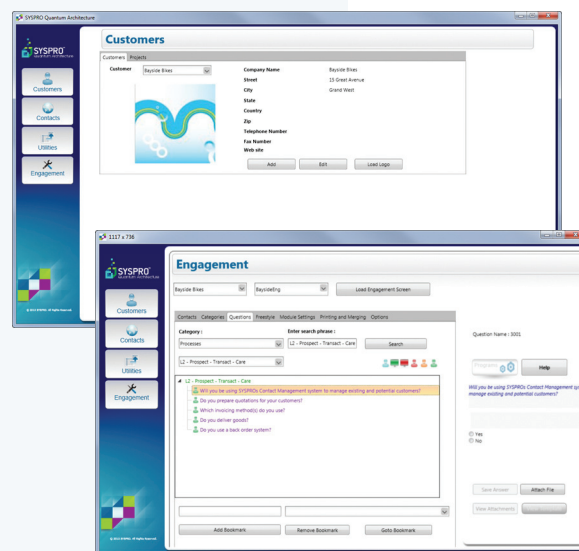
## Greater depth of functionality and streamlined business processes

Streamlined, modeled business processes that all stakeholders have visibility of and to which they can contribute are key to efficiency and effectiveness. Organizations find it difficult to synchronize business strategy with operational execution because they lack visibility into the information needed to support decision-making. To reach the important goals of real-time access to operational information, data-driven decision making and target-oriented management, businesses need to apply new approaches and acquire tools and solutions that will ensure a centralized, integrated information system is in place.



## Quantified solutions

SYSPRO 7 sees the introduction of SYSPRO Quantum Architecture – SYSPRO’s process engagement and deployment model-based implementation framework, which provides business decision makers and implementers with an understanding of both the business and system needs. This modeling framework ensures that the implemented system corresponds with the goals and business processes in an organization, by providing a comprehensive view of the modeled processes and decisions made during the implementation project within a single software framework. Included in the framework are a set of business questions that prompt discussion, and once answered, result in the configuration of SYSPRO.



SYSPRO’s modeling Framework incorporates the following:

- Business goals aligned to ERP strategy
- Business process modeling, mapped onto SYSPRO software
- Business questions resulting in SYSPRO Configuration
- Project Management
- Recorded conversations and decisions
- Identified and modeled integration points
- Identified relevant KPIs
- Defined required security
- Master data forms and imports
- Report of model and decisions

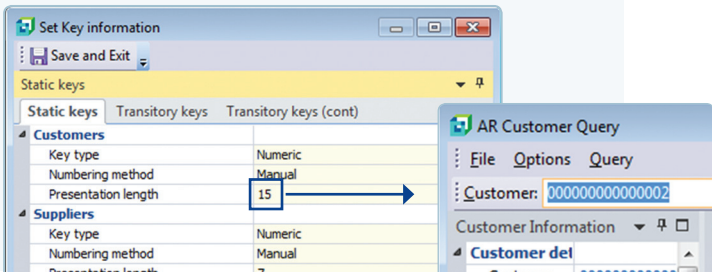
SYSPRO Quantum Architecture is not just for new sites. It can also be used for existing sites wanting to re-engineer and streamline their processes and realize the full potential of SYSPRO.



# Extended scalability

Recognizing the requirement among mid-size manufacturing and distribution companies for faster performance, greater capacity and higher volumes, SYSPRO 7 has been architected from the ground up to enable extended scalability. This significantly raises the level at which the SYSPRO application can perform and provides powerful processing for more efficient and higher transactional throughput.

In SYSPRO 7, a number of the structural elements of the application have been increased substantially, including enhanced custom forms, larger field sizes and descriptions, structured addresses.



The screenshot displays two overlapping windows from the SYSPRO 7 application. The 'Set Key information' window is in the background, showing a table with columns for 'Static keys', 'Transitory keys', and 'Transitory keys (cont)'. The 'Customers' section is expanded, showing fields for 'Key type' (Numeric), 'Numbering method' (Manual), and 'Presentation length' (15). A blue arrow points from the 'Presentation length' field to the 'AR Customer Query' window. The 'AR Customer Query' window is in the foreground, showing a search bar with the text 'Customer: 0000000000000002' and a dropdown menu for 'Customer Information'.

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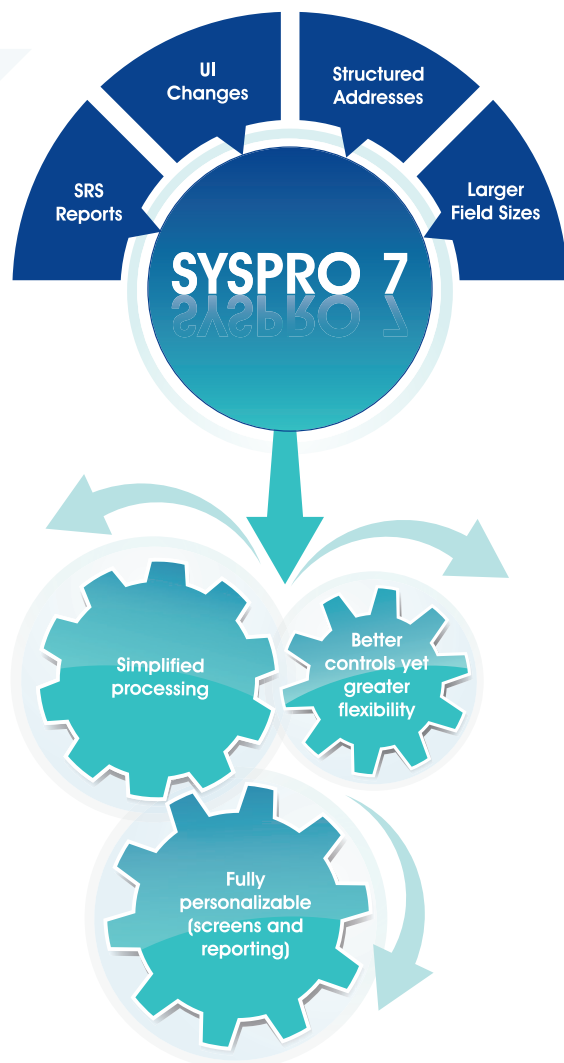
In SYSPRO 7, a number of the structural elements of the application have been increased substantially, including enhanced custom forms, larger field sizes and descriptions, structured addresses.

The screenshot displays two overlapping windows from the SYSPRO 7 application. The foreground window is titled 'Set Key information' and features a 'Save and Exit' button. It contains a table with columns for 'Static keys', 'Transitory keys', and 'Transitory keys (cont)'. Under the 'Static keys' column, there are two expandable sections: 'Customers' and 'Suppliers'. The 'Customers' section is expanded, showing a table with three rows: 'Key type' (Numeric), 'Numbering method' (Manual), and 'Presentation length' (15). The 'Suppliers' section is also expanded, showing a similar table with 'Key type' (Numeric), 'Numbering method' (Manual), and 'Presentation length' (7). A blue arrow points from the '15' in the 'Presentation length' row of the 'Customers' table to the 'AR Customer Query' window. The 'AR Customer Query' window is partially visible in the background, showing a 'Customer:' field with the value '000000000' and a 'Customer Information' section.

The screenshot displays two SAP configuration windows. The background window is 'Set Key information' with the 'Static keys' tab selected. It shows a table with three sections: Customers, Suppliers, and Stock codes. In the 'Customers' section, the 'Presentation length' is set to '15'. A blue arrow points from this value to the foreground window. The foreground window is 'AR Customer Query' with the 'Query' menu option selected. It shows the 'Customer' field populated with '00000000000000000000'. Below this, the 'Customer Information' section shows details for a customer named 'Bikes and Blade' with currency 'USD - Local Currency'.

Static keys	Transitory keys	Transitory keys (cont)
<b>Customers</b>		
Key type		Numeric
Numbering method		Manual
Presentation length	15	
<b>Suppliers</b>		
Key type		Numeric
Numbering method		Manual
Presentation length	7	
<b>Stock codes</b>		
Key type		Alphanumeric

AR Customer Query	
File Options Query	
Customer:	00000000000000000000
Customer Information	
Customer	00000000000000
Name	Bikes and Blade
Currency	USD - Local Currency
Customer Scr	



## Enhanced reporting capabilities

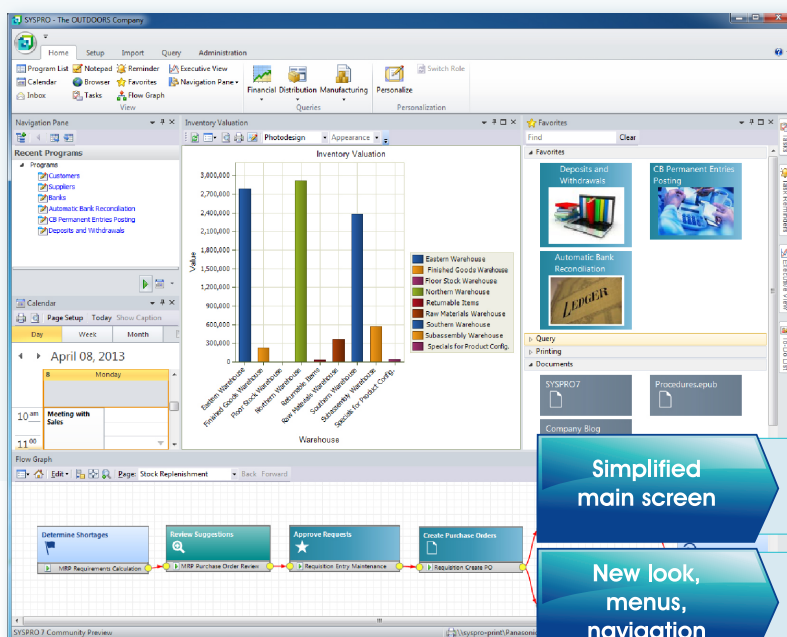
SYSPRO has made several major enhancements to reporting functionality with SYSPRO 7. By enabling server side reporting, the performance of SYSPRO Reporting Services is significantly improved, and the enterprise spooler manages and balances printing to allow users to continue working while their reports are processed.

SYSPRO already provides access to SYSPRO data using Microsoft® Word® or Excel®, without the need to have SYSPRO installed on the desktop. That capability is extended in SYSPRO 7 allowing any report to be accessed from within Microsoft Outlook® on a remote desktop or mobile device.



## Enriched user interface (UI) experience

SYSPRO 7 provides for a simplified main screen, with new themes, menus and UI controls, including improved touch capabilities. In keeping with the modern UI style of Windows 8, menus include 'active' tiles for navigation and linking through to other menus or the flow graph process menus. A flow graph provides a means of navigating using a visual process. In addition, there are new chart controls providing enhanced functionality and a better user experience. For organizations that want to personalize the user experience, additional features and new VBScripting functionality have been added. Customized UIs can be designed and applied across the enterprise for a standard look and feel, or created specifically for an industry, using relevant terminology and roles.



### Simplified main screen

- New look themes, including tiles
- Simplified Ribbon Bar
- Single pane visible (all others hidden)
- UI Controls – touch screens

### New look, menus, navigation

- Tasks Panels – drag and drop
- 'Activate' tiles; create own XAML styles
- Flow graph process menus
- Navigation – Menu Tiles linking to other tiles/flow graphs

### New chart controls

- Extended charting functionality
- Enhanced user experience
- Multiple diagrams, Gantt charts ...
- Build your own charts

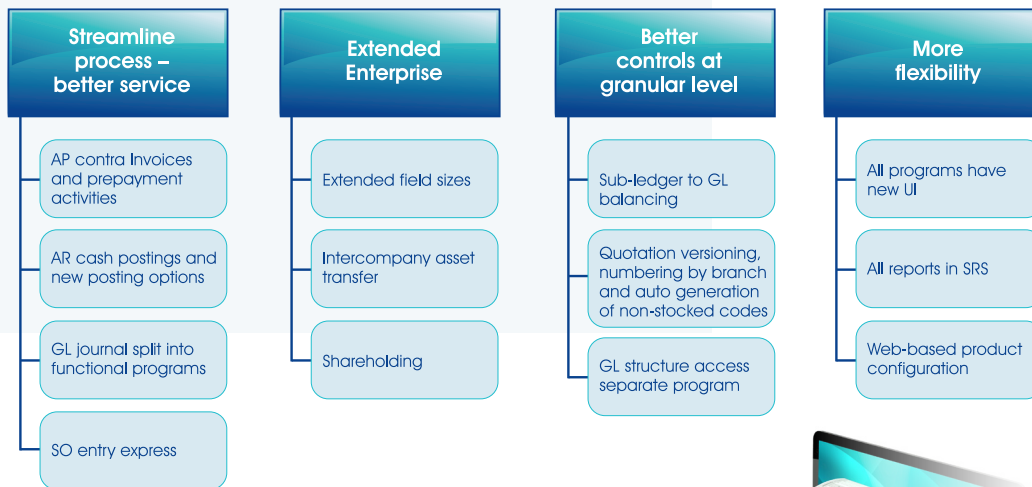


## Simplified installation

The software installation process is much simpler in SYSPRO 7. Client machine installation is a single-click activity and has been re-engineered to make web installation easy. It automatically prepares the environment for the SYSPRO installation by installing as many prerequisites as possible without prompting for input. In addition, the software has a smaller footprint on the client. This provides a rich client in a cloud or WAN environment. The client software also includes automatic self-healing of all components as and when required.

## Enhanced features providing greater depth to the SYSPRO product

By introducing larger field sizes, all SYSPRO screens have had to be changed and reports converted to SYSPRO Reporting Services to cater for these larger fields. This has resulted in greater flexibility, simplified processes and fully personalizable screens and reports. In addition, a number of new features have been included in SYSPRO 7 which enable processes to be streamlined to provide better service, cater for the needs of the extended enterprise, provide more depth to the features and, in turn, better controls. These include the following:



### AP contra invoices with new user interface and prepayment abilities

The user interface of the AP contra invoice has been updated to include the customization features. It now eases the management of prepayments in SYSPRO.



### AR cash posting with new user interface and posting options

The user interface of the AR cash posting “worksheet” has been updated to include the customization features. It now also allows posting of payments as unapplied payments and sequencing by invoice number or invoice date.

### Shareholding

A new program has been added to keep track of the number of outstanding shares a SYSPRO company has. It will be used for earnings per share calculations in future versions of SYSPRO.

### Asset intercompany transfer

A new program allowing assets to be transferred from one SYSPRO company to another has been added.



### New Work In Progress labor posting program

A simplified Work in Progress labour posting program has been added.



## Various improvements to quotations

There have been various improvements to the quotation system:

- Numbering by branch – if configured, the quotation number will automatically be generated from the next quote number against that branch
- Versioning - As quotations are changed, the system will allow for versioning of each change for later referencing
- Auto-generation of prefixes for non-stock codes



## Sub-ledger to GL balancing reports

A set of reports has been released to help users identify discrepancies between control account balances in the general Ledger and sub-ledgers.

## GL journal posting program

This program has been split into functional programs and allows for multiple normal journals and recurring journals to be posted.

## GL Structure access separate program

The definition of access levels against structured GL codes has been separated out into a new program.

## Product Configurator

The maintenance of the Product Configurator has been simplified to allow selections and criteria, and options and components, to be visible on a single window, using hyperlinks and context-sensitive menus to navigate and accomplish tasks.

A new web-based user interface has been provided, making the Product Configurator externally accessible. The enhanced visibility of all selections and criteria chosen provides the ability to return to any previous selection, make a change and continue from that point forwards.



## New sales order entry express program

This provides for a simplified sales order entry process with all data entry in a single screen and tree view structure showing details such as comment lines, kit components, miscellaneous or freight charges.

## New Import Programs

The import programs have been re-engineered to allow for:

- Importing a file located on the server or a client machine
- Optional reviewing of import file contents
- Information can be imported, typed into the data grid, or copied and pasted from a spreadsheet
- The import process can be automated
- Optional import only if the entire file is valid or only import valid records and report on invalid records



## Lot, Bin and Serial Allocations

The user interface of the lot, bin and serial allocations program has been re-engineered into a grid interface for ease of data entry and visibility into all allocations for the current component. It is now also fully customizable.

## For inclusion during the life of SYSPRO 7



A number of feature enhancements will be included in SYSPRO 7 post the initial release.

### Goods inward processing (shortage control)

When goods are received into stock (through any receipt mechanism), the operator will have the option to check for any demand on the item (i.e. sales orders, material allocations on a job) and from the results (if allowed) will be able to directly issue to these.

### Print stock information in customers language

- This provides the ability to hold language codes and the translated stock description, long description, comments such as dangerous goods, sales text etc., against each stock code.
- Each customer, customer ship, supplier, supplier ship address and warehouse will be assigned a language code.
- All sales order documents (acknowledgement, delivery note, invoices), dispatch note documents, purchase order document print and quotation document print relating to stock items be printed in their language.



### Status codes

- User definable activity classifications - Depending on the status of an entity you will or will not be able to use this entity in this process. For example you may not be allowed to add a stock code to a sales order when it is in a certain status
- Generic status codes - A generic set of status codes can be defined and multiple statuses assigned to an entity e.g. stock code, customer, supplier etc. These statuses are tied to the activity classifications and will determine whether or not a process can be undertaken for that entity

### Hierarchical classification against stock items

This provides for structured searching on stock codes. A structure of classifications can be defined and stock codes attached to these classifications. A new search facility will use these to select the top-level classification and drill down through the levels until you show the stock codes. You will be able to select the stock code based on this.



### Bulk e-mail

The ability to do a bulk e-mail out of the contact management system will be provided.

### European Union legislative requirements

Provision for current EU legislative tax requirements.

### Return to Vendor (RTV)

Return to vendor functionality will be incorporated into the core SYSPRO product.

### Enhance and improve the Engineering Change Control system

Provide improvements to the Engineering Change Control system to streamline processes, make it more intuitive and in line with customer requirements.

### Configured kits

- This provides the ability to create a job in advance of confirming a quotation. Any changes to the quote will synchronize to the job allocations.
- A new type of kit (configured kit) will be introduced that will be created from the Product Configurator in sales orders or quotations.
- All selected components and operations will be written to new tables (not BOM or Estimate) which are linked to the sales order line (or quote line). When the job is created, the components and operations in these tables will be used as the allocations. Any maintenance done to these entries will be synchronised with the job allocations. If the job was started before the quote was confirmed (the finished good will be flagged as non-stocked) then, at the time of confirming the quote and creating the sales order, the item will be changed to stocked on the sales order and the job will be linked to the sales order line.
- Comment lines can optionally be printed on the Sales Order from the components used.



### More financial ratio analysis

Eighteen new financial ratios will be added to the financial ratio analysis.

### Increased number of GL budgets allowed

The number of allowed GL budgets will be increased from 10 to 99, i.e. current and next year budgets plus 97 alternate budgets.

### Currency and time information in general ledger

Additional time and currency information will be stored in the general ledger transaction tables.

### Withholding tax in conjunction with settlement discount credit/debit notes

The use of credit and debit notes for settlement discount is now allowed in conjunction with the use of withholding tax.

### Automatic vouchering

New functionality to enable customers to mark certain suppliers, requisitions and purchase orders for automated vouchering. Invoices for these will be created by a schedulable program after receipt of the goods. It would typically be used in an environment where a trusted supplier makes many deliveries of low value.



## SYSPRO 7 embraces the following technologies:

- Microsoft .NET® framework and ASP.NET
- Microsoft SQL Server®
- Microsoft Windows® 8 API support for calling SYSPROs' Integration Framework
- Windows Communication Foundation (WCF)
- Microsoft Windows Server
- Microsoft Office
- 64-bit Windows operating system
- Crystal Reports Server
- On-premise or cloud





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