SYSPRO Process Modeling (SPM)

Simplifying your Success
Introducing 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.

The most integrated, uncomplicated and effortless business software solution for small and medium enterprises
The key to a successful ERP implementation is the effective realization of the company’s strategy and business processes through the ERP functionality set. Simply put: the implemented system must correspond with and enable the business processes in your organization.

At SYSPRO we recognize that your company’s uniqueness is its competitive edge. Therefore the best solution is a blend of tried and tested ERP, integrated with your uniquely engineered business processes, creating a unique process model for your organization.
SYSPRO Process Modeling (SPM) allows you to optimize the business capabilities of the SYSPRO product.

At SYSPRO, we give you a methodology that operates at different levels. On the one side we have modeled the SYSPRO Solution Architecture, from menus down to operator key strokes, and on the other side a Business Architecture displaying generic business processes. Along with you and your business knowledge, we select the processes which best match your business and configure them for a perfect match, bringing together the SYSPRO solution architecture with the business architecture to give you your unique SYSPRO process-driven solution.

Step 1 - SYSPRO solution architecture

We develop models which represent the system independent of any specific business implementation. The system models are kept in the context of SYSPRO’s Solution Architecture, where the language and the levels of the architecture all reflect system functionality, data and the roles and security down to the level of detail that is requested.

Step 2 - Your business architecture

The business requirements are modelled around the functions of the business to develop a business architecture. This is where industry-specific information can be added. Although the system might have, for example, procurement functionality, the way the procurement takes place, for example, in manufacturing, mining, construction or financial services will be modelled differently.

Your Business Architecture
- Business Functions
- Business Strategy & Organization
- Business Roles and Authorities
- Sustainability Reporting
Step 3 - Your SYSPRO process-driven solution

This is the matching of what the system can do to your business requirements, resulting in a unique process model. The system and business architectures are combined into a process-driven solution. These models are in a language or format that both business people and the system implementers can relate to. You now have models that business people can adopt and change, and that system people can use to build the solution.

As the model steps are fully integrated with the SYSPRO ERP application, the newly-modified business models and decisions made during the modeling can be quickly and easily configured in SYSPRO.

When changing your business processes or wanting to migrate to a newer version of the software, it is possible to know through the models (which are all interconnected) what the likely impacts are going to be. The model can also be used when wanting to apply a standard process across company branches or subsidiaries.

Your Business Architecture

- System-Enabled Business Functions
- Business intelligence
- Workflowed Processes & Roles

Why SPM?

By understanding that your company’s uniqueness is its competitive edge, SYSPRO through SPM enables you to create a unique process model of your uniquely engineered business processes; mapped onto the SYSPRO software with modeled manual processes and integrated third-party processes.
SYSPRO has done something unique...

All of these application and business models reside in a single data base repository and not on pieces of paper in someone’s drawer, which is typically done.

The results of Enterprise Architecture all contribute to continuous improvement as any good business improvement process should, and SYSPRO Process Modeling (SPM) provides the tools and baselines required for the SYSPRO Enterprise Architecting approach.
Typical implementation steps, using process modeling techniques:

**Model the System end-2-end**

Instead of the business starting off with a clean sheet of paper for documenting and modeling its requirements, it can now use pre-configured models from SYSPRO as its starting point.

**The solution’s ability with the business requirements**

As the SYSPRO base model steps are all fully integrated with the SYSPRO application, the newly-modified business models can be matched against the SYSPRO functionality.

**Add work-around to processes**

When SYSPRO cannot be configured to exactly meet the business requirements, it is possible to use the models to make changes in the process to compensate for the potential gaps and identify manual processes or customization requirements. These gaps and their impacts are understood and dealt with much earlier than in the traditional implementation lifecycle.

**Implement the model-based solution**

The implementation is also not a start from scratch exercise. The SYSPRO base models are a reflection of an existing system. Therefore the newly-modified business models and decisions made during the modeling can quickly and easily be configured in SYSPRO.

**Enhance system based on requirements**

Whether changing your business processes or migrating to a newer version of SYSPRO, by comparing the models it is possible to know what the likely impact is going to be. The model can also be used when wanting to apply a standard process across branches or companies.

**Quote From an Implementation Project Manager**

“SPM helps the customer and the consultants to remain focused during the JAD sessions. The visual display makes it a lot simpler for the consultant to explain the processes and the customer can relate these to their business processes.”
What is Enterprise Architecture (EA)?

Enterprise Architecture is a comprehensive conceptual framework that assists organizations to understand their own structures and processes — and how they work. To put it simply, EA ensures that all the company’s enterprise assets — business processes, IT (hardware and software), networks, people, information databases and operations — are aligned to support the overall business strategy.

Four critical pillars

We can break EA down into four supporting pillars, each contributing an essential element to the overall model:

1. **The Business Architecture** describes how a business works, including its overall strategy to achieve objectives, vision and future states. It will elaborate on the structure, its functional business units and processes and how these relate to one another.

2. **The Information Architecture** describes what the organization needs to know to run its business processes and operations. It should include valid data models; data management policies and standards; databases that serve all users and a description of the patterns of information production and consumption in the organization. This will include informal data stores, such as flowcharts, spreadsheets, documents and presentations that exist throughout the organization.

   There cannot be room for separate silos of data and knowledge within the enterprise. It is the very purpose of the EA to develop one common, shared, valid, reliable and consistent data resource.

3. **The Application Architecture** defines the enterprise’s application portfolio linking the information and business architectures to selected applications that best serve users and their individual skills in their different job functions. It must always support the required activities and processes of the business and automate procedures as far as is practically possible. This architecture should also provide for information storage and retrieval.

   Finally, provision must be made for the development of new applications based on the enterprise’s needs, policies and technology platforms.

4. **The Technology Architecture** defines the hardware and software supporting the organization. It provides the technology platforms that link the application, business and data architectures to offer user-friendly solutions to the various users in their respective work stations. These can include desktop and mobile hardware, printers, modems, server hardware, operating systems and network components.
In order to be competitive in the current markets, a business must adopt a strategy of technology enablement. Companies today can no longer ignore advances in technology and how technology breaks the traditional boundaries of our work environments.

The challenge lies in choosing a technology that enables both current business processes and future technology requirements. SYSPRO’s enterprise architecting approach, Quantum Architecture, provides this technology with SYSPRO Process Modeling being the key enabler.

An architectural approach will consistently provide management with valid and reliable information on which to make business decisions. It also ensures data of much higher integrity that will correlate to statistics drawn from various functions and departments across time and space. The productivity and efficiency of enterprise information systems will greatly be enhanced due to its dedicated design and applications.

If developed in sufficient depth and detail, the architecture will assist management in identifying the best possible components to match a company’s specific needs. It should identify best practices by industry or vertical and assist in building these into its systems and processes to the best advantage of the enterprise. Because EA is based on the divulgence of an enterprise’s full architecture on all levels, its diagnostic capability is vested in the fact that the framework becomes a powerful single source of truth. It looks at a complete and comprehensive picture and then guides management in its attempts to realign the business and its systems and resources to achieve optimal efficiencies.

Each of the four architectures requires an in-depth analysis across the enterprise, the outcomes of which will be reflected in models, flowcharts, diagrams, standards and specifications. These will range from broad contextual and conceptual perspectives on the policy-making level to process models on the conceptual level and diagrams and detailed specifications of physical assets on solution and implementation levels.
Reduction of risk through business, processes and systems

SYSPRO understands that strategy, risk, performance and sustainability are inseparable. SPM thus provides you with a model-driven architecture that supports management by aligning IT with company strategy, business objectives and sustainability; as well as providing a transparent view of your uniquely modeled processes and organizational roles.

Your primary source of information is no longer word documents that have no relationship to one another, but interrelated models that:

- Encourage focused thinking and reduce complexity
- Give you a clear understanding and transparency of the business processes and systems across your organization
- Move your company’s unique process requirements from the minds of individuals to a central repository
- Speed up understanding of business requirements or solutions options, resulting in a better quality implementation
- Provide for business agility and flexibility
- Allow for what-if scenario planning in the models before implementation
- Define and understand system configuration and integration from the modeled business processes
- Provide you with a central change repository for all changes, whether at business, process, or system level
- Allow for the standardization of business models across different organizational business units
- Provide an audit trail of the collaborative business decisions made during the modeling of the processes

Your unique SYSPRO process model provides one source of the truth and an end-to-end alignment of all entities in the organization

What’s in it for you?

- End-to-end alignment of all aspects of your organization
- Resulting in visibility and visualization at each level of all your processes
- Providing YOU with the ability to be agile and innovative
SYSPRO AT A GLANCE

- Established in 1978
- On-premises and cloud-based enterprise resource planning software developed for customers in over 60 countries
- Six regional offices - Australia, Canada, South Africa, Singapore, United Kingdom and United States
- Products and services implemented and supported through a network of consultants, resellers and employees

SYSPRO combines sophisticated functionality, simplicity of use and unparalleled customer support.

Industry Sector Focus

- Fully-integrated business software
- Established in 1978
- On-premises and cloud-based enterprise resource planning software developed for customers in over 60 countries
- Six regional offices - Australia, Canada, South Africa, Singapore, United Kingdom and United States
- Products and services implemented and supported through a network of consultants, resellers and employees

Visit our website or contact us to learn more about our company, products and services.

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