

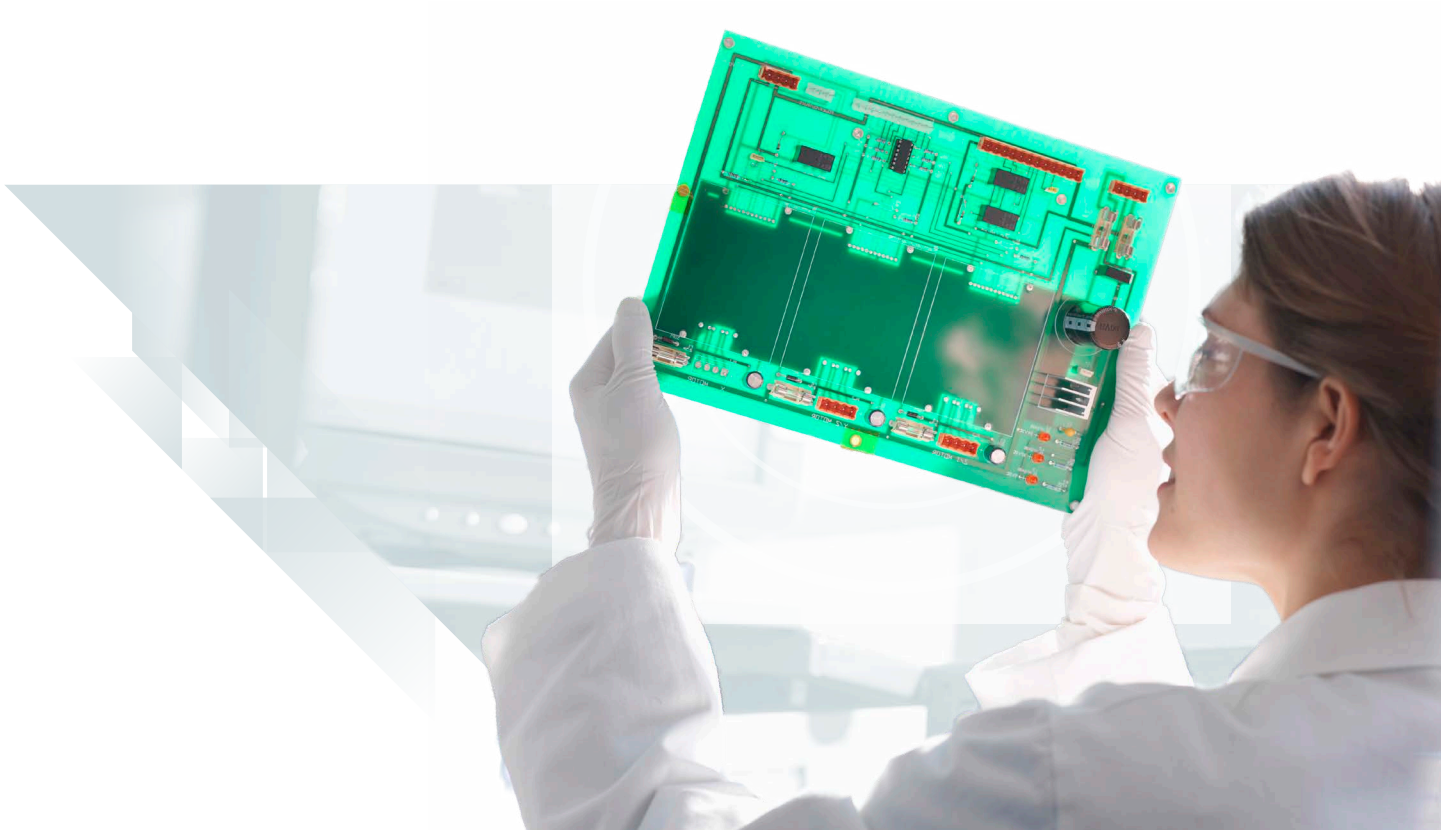
# SYSPRO Switched-on ERP for Electronics Manufacturers

## FACTSHEET

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Electronics manufacturers are facing constant pressure to introduce innovative new products that are durable, cost effective and fill a market gap. The pace is fast, design and production times are short, and time to market is constantly being reduced.

As a result, electronics manufacturers need reliable systems that enable cross-communication throughout the entire supply chain. They need to be able to stay on top of short product life cycles, long procurement lead times, indirect sales channels and complex supply chains, making reliable ERP applications a must for supply chain management.



Business Challenges	How SYSPRO can help you resolve them
<ul style="list-style-type: none"> <li>■ Reduced profit margins.</li> </ul>	<ul style="list-style-type: none"> <li>■ SYSPRO enables you to implement continuous improvement by giving you visibility into costs and profits across the business and helping you identify issues as they occur. This includes variations in expected and actual raw material and production costs; late supplier deliveries; obsolete, slow-moving and excessive inventories; and product defects and scrap.</li> </ul>
<ul style="list-style-type: none"> <li>■ Short product lifecycles with uncertain demand.</li> </ul>	<ul style="list-style-type: none"> <li>■ Efficient automation, management and the tracking of product life cycles are provided through the SYSPRO Inventory, Bill of Materials and Engineering Change Control solutions, thereby streamlining time-to-market processes.</li> <li>■ SYSPRO's Inventory Management and Requirements Planning solutions provide the tools to help reduce forecast errors, manage seasonality, and optimize inventories to meet customer service targets.</li> <li>■ SYSPRO's comprehensive security, customization and multi-lingual capabilities enable you to provide secure access to external collaborative partners around the globe.</li> </ul>
<ul style="list-style-type: none"> <li>■ Managing traceability and the recall process.</li> </ul>	<ul style="list-style-type: none"> <li>■ Using SYSPRO's powerful traceability features, businesses can confidently identify the source of defects and quality issues and limit recalls to defective product only. This prevents the need for total product recall and the associated costs and reputation impact.</li> <li>■ SYSPRO facilitates the recording of traceability and quality data on materials and products from purchasing through inspection, manufacturing, manufacturing inspection, stocking and sales. This enables real-time tracking of supplier performance, quality and warranty metrics. These serial tracking and lot traceability features provide powerful queries that enable both upward and downward searches by stock code, lot number/serial number and transaction type. Flexible reporting allows for the fast extraction of trace reports.</li> <li>■ The SYSPRO Return Merchandise Authorization (RMA) module rapidly processes customer returns and the resulting corrective actions such as receipting, exchanges, cross-shipments, repairs, scrap and credits, as well as charges for returns and restocking activities. The power of SYSPRO's returns automation is further enhanced by its seamless integration with the system's serial tracking, lot traceability, quality and engineering change control capabilities.</li> </ul>
<ul style="list-style-type: none"> <li>■ Continuous product innovation.</li> </ul>	<p>With continuous product improvement and innovation and the large number of components in electronic products, the efficient management of design revisions is central to maintaining control over product life cycles.</p> <ul style="list-style-type: none"> <li>■ Efficient automation, management and tracking of product life cycles is provided through the Inventory, Bill of Materials and Engineering Change Control solutions from SYSPRO, thereby streamlining time-to-market processes.</li> </ul>

## Business Challenges

## How SYSPRO can help you resolve them

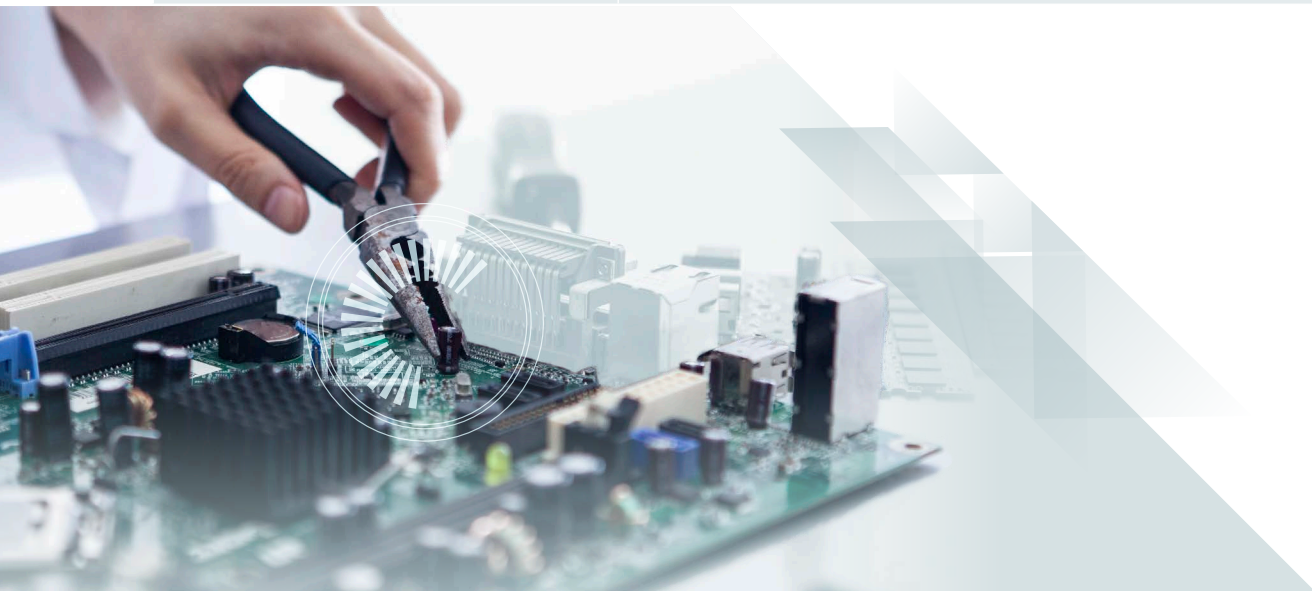
- Control product design changes.

- The integrity and reliability of product design data and versions are strengthened through the rich functionality in SYSPRO's Inventory, Bill of Material and Engineering Change Control modules. Together they provide centralized control of and visibility into product life cycles, ensuring that all Product Lifecycle Management (PLM) participants, whether internal or external, are working collaboratively to the same specifications.
- Multi-level bills of material for designs modeled on CAD systems are automatically updated into SYSPRO, thereby reducing double-entry and the margin for error.
- SYSPRO Engineering Change Control (ECC) features enable the creation of user-defined workflows to control the product development process and ensure electronic sign-off.
- The Material Requirements Planning (MRP) system provides an integrated picture of supply and demand, enabling control of whether MRP should raise suggested supplies for demand of non-current revision.

- High levels of obsolete inventory.

Improved forecast accuracy is essential in forecasting environments where product ranges and configurations are extensive, bills of material are complex and raw material and component lead times are long. This minimizes inventory holding and obsolescence costs without compromising customer service and brand loyalty.

- SYSPRO Inventory Management provides comprehensive tracking and analysis of forecasts, as well as slow moving, excess, active and static stocks. Powerful features enable accurate obsolescence provisioning, product rationalization programs and targeted promotions on slow moving and end-of-life stocks.
- Excess component, work-in-progress and finished goods inventory is further alleviated through the use of SYSPRO's powerful forecasting and Material Requirements Planning (MRP) features. These provide a complete view of independent and dependent demand and supply, and accurate time-phased requirements with comprehensive pegging.
- Component-to-operation linking, along with order policy, lead time and time fence features enable accurate. Just in Time (JIT) based materials replenishment.



## Key SYSPRO Solutions

- **Product Configurator** provides an automated online product design and rapid quotation system to the prospective customer. It has been integrated into a number of manufacturing systems, including the MRP system.
- **Requirements Planning** – Excess component, work-in-progress and finished goods inventory is alleviated through the use of SYSPRO's powerful forecasting and Material Requirements Planning (MRP) features. These solutions provide a complete view of independent and dependent demand and supply, and accurate time-phased requirements with comprehensive pegging. Component-to-operation linking, along with order policy, lead time and time fence features enable accurate Just in Time (JIT) based materials replenishment.
- **Return Merchandise Authorization** – SYSPRO's Return Merchandise Authorization (RMA) rapidly processes customer returns and the resulting corrective actions such as receipting, exchanges, cross-shipments, repairs, scrap and credits, as well as charges for returns and restocking activities. Action codes, notes and user-configured returns classifications facilitate comprehensive analysis and reporting. The power of SYSPRO's returns automation is further enhanced by its seamless integration with the system's serial tracking, lot traceability, quality and engineering change control capabilities.
- **Engineering Change Control** – Control over part revision is seamlessly handled by the Engineering Change Control (ECC) module. ECC gives you the tools to record and track revisions of products and parts for design, as well as sales and replenishment purposes. ECC's queries, audit trail, history and archive facilities, gives quick on-line access to details of prior versions, as well as the option of reverting to the use of a prior version if required. In addition, the facility to attach copies of product design drawings to version and release levels provides access to visual details of revisions.
- **Inventory management** – SYSPRO provides comprehensive tools to ensure there is visibility of inventory across the supply chain to meet the demands of the business, helping to eliminate overstocking and tying up of capital.
- **Product and Part Traceability** – SYSPRO provides traceability from material origins through manufacture to final destination. Our Lot Traceability and Serial Tracking functionality affords full visibility to the origins, build and sales destination of products, thereby providing the means to easily trace and analyze the source of defects should they occur.



## Learn more

If you want to learn more about SYSPRO's capabilities in the Electronics industry visit us at [www.syspro.com/industries/manufacturing/electronics-manufacturing-software](http://www.syspro.com/industries/manufacturing/electronics-manufacturing-software)