



Mecanizaciones Aeronáuticas S.A. keeps track of everything with Infor LN

In the aerospace and defense industry, staying in business means keeping track of materials to build and delivering products on time while maintaining compliance. Aerospace manufacturers need flawless records that include details like when parts were built, what materials were used, and where the materials were sourced. Governmental aviation administrations around the world require aerospace manufacturers to keep comprehensive records with these criteria, and they can request to see these records at any time, with little warning.

As an aerospace manufacturer supplying products to commercial aircraft manufacturers around the world, Mecanizaciones Aeronáuticas S.A. (MASA) must maintain detailed records. In addition to the complexities inherent in the global aerospace regulatory environment, one kit MASA sends to its assembly customers may be comprised of 700 unique components—each part with its own serial number, accommodating high levels of traceability.

“We are growing quickly, and our old system was holding us back. With Infor LN, we have an efficient and integrated system that was deployed quickly without business interruption.”

Cyril Vignes
Continuous Improvement Manager, Mecanizaciones Aeronáuticas S.A.



HEADQUARTERS
Agoncillo, La Rioja, Spain

INDUSTRY
Aerospace Manufacturing

EMPLOYEES
325

INFOR PRODUCT
Infor® LN

IMPLEMENTATION PARTNER
Semantic Systems

WEB SITE
masa.aero

This level of detail requires more than the equivalent of a key hook on the wall or a mat for your shoes. It requires a responsive environment that lets MASA employees and customers know how many parts they have available and which parts have been assembled into assembly kits—with limited human intervention or manual processes required to document all the details.

With Infor LN deployed by Semantic Systems, MASA can leverage a responsive and easy-to-use enterprise resource planning (ERP) system that was deployed quickly, with minimal disruption to its day-to-day operations.

Simplified materials tracking and parts identification

MASA's previous ERP system relied on a custom integration with its supply chain software and a separate database that kept track of all parts used in each product. It needed a more efficient process to keep track of production materials. The existing system made it difficult to understand what parts were in inventory and what materials were still needed to fulfill customer orders. This system also had a hard time keeping up with MASA's increased production levels.

MASA needed to reach a new level of production and control. Since one assembly kit can include hundreds of parts, MASA needed a software system that can keep track of everything, ensuring all parts are traceable through their own, unique serial number while remaining associated with the specific assembly kit delivered to the customer.

With Infor LN, MASA found a system that can manage the complexity inherent within its kit development and delivery processes. MASA can now record all as-built data into the ERP system directly, eliminating the need to maintain separate databases or paper-based logbooks.

With all the as-built data living in a central location, MASA has automated data entry for part and serial number information, limiting opportunities for error, and reducing employee time dedicated to administrative data entry work. Data storage within the ERP system also makes it easier for MASA to tag all product parts with the same serial number, simplifying material traceability.

Business results and efficiencies



7 month implementation



reduced inventory



increased sales

Diligent preparation leads to fast deployment, minimal business disruption

MASA needed to switch from its legacy system to Infor LN with minimal disruption to day-to-day operations. By working with Semantic Systems to develop a comprehensive implementation plan, MASA was able to replace its mission-critical software system and keep its business running at the same time. In addition to the technical details involved to make this seamless switch happen, MASA ensured the plan included a business process review to help it reach optimal productivity and efficiency with Infor LN across the organization.

As it began the implementation planning, MASA brought together a core group of employees to leverage their collective knowledge of current business processes and identify improvements. With an employee-vetted plan in place to set the foundation for implementation success, MASA was able to minimize the customizations required to effectively operate its business, relative to its previous ERP system. The updated business processes also eliminated operating silos, fostering more collaboration and efficiency.

In addition to providing valuable user experience input during implementation planning, those early employees continued to play important roles following deployment. As they were among the first to experience the potential within Infor LN, they became power users and evangelists for the new platform within their organization. These employees were able to help their colleagues learn and successfully use Infor LN when it was deployed more widely to help keep track of materials, manage inventory, fill customer orders, and build new products.

Better software integration minimizes inventory levels, while increasing sales

With Infor LN, MASA has integrated all its software modules—from supply chain planning, inventory management, and manufacturing production—to better track and identify parts with the products it builds and delivers.

This improved integration gives MASA real-time visibility across its organization, significantly reducing the material inventory needed on-hand to accommodate customer orders. Previously, MASA inventory managers would stockpile supplies to ensure they could quickly accommodate a large order, using past orders as their best estimate to determine how many supplies to keep on hand.

Infor LN has removed this guesswork. Now, sales managers have a comprehensive view of available materials when customers place orders and confirm delivery times. Inventory managers also have an accurate picture of historical and current orders placed, enabling them to maintain the right inventory levels without stockpiling unnecessary parts for infrequently ordered or one-off products.

These improvements have made a significant contribution to MASA's bottom line, reducing inventory and helping the company increase sales.

Conclusion

With Infor LN at the center of its business, MASA has quickly deployed a mission-critical software platform to help its employees be even more efficient in their day-to-day work, fulfilling more customer orders, and reducing inventory levels. In addition, the company can more easily keep track of all the necessary details required of an aerospace manufacturer, simplifying the generation and submission of reports to key governmental and regulatory organizations. MASA also has a system that is ready to grow with the business and accommodate future requirements—whatever they may be.



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