



## JustSystems Solutions for Aerospace and Defense

Cost, complexity, and time are the key challenges to efficient airline and defense-related flight operations. Making a flight operation work means balancing the seemingly conflicting requirements of speed and efficiency with safety and consistency.

How do we ensure consistent and reliable maintenance, repair, and operations while addressing the need for fast turnaround times and profitable flights? For airlines in particular, the reality is that equipment and fuel costs are relatively fixed and the effectiveness of maintenance, repair, and operations is the difference between profit and loss. For defense contractors, streamlining and automating document-based processes is essential for ensuring project profitability. What's more, existing document management systems can't keep pace with the speed of change. As a result, information delivered to manufacturers, airlines, personnel, and regulators is often out of date. This can lead to costly mistakes, servicing issues, and the risk of non-compliance with relevant regulations.

A key aspect of this is ensuring the right information is delivered to the right people at the right time—sorting through highly complex information and presenting documentation that reflects only the most current version of methods, procedures, and other MRO-related information. Increased collaboration is needed, and organizations need to streamline operations so that employees can more efficiently gain access to timely and relevant information. JustSystems provides powerful solutions that allow aerospace and defense companies to dramatically improve how information is created, published, and consumed.

Aerospace and defense organizations are burdened with manual processes and technical inefficiencies. The streamlining and automating of document-based processes is essential for gaining a competitive advantage. Organizations are awash in information—both unstructured content stored in repositories and file servers and structured data in relational databases and legacy/mainframe systems. JustSystems' solutions reduce the cost of content creation and maintenance and improve the effectiveness of business processes that depend on content and data from diverse and distributed sources.

The worlds of document publishing and application development are converging and the document itself is becoming the application—with live data and an interactive user experience. We offer a variety of solutions from publishing documents to driving collaboration and business process transformation—all of which center around our mission to improve business through more efficient and effective creation, reuse, and delivery of information.

JustSystems is a global software leader with over 30 years of innovation in information management technology and extensive experience with aerospace and defense customers. Today, with XMetaL, JustSystems is helping aerospace and defense companies to take advantage of XML to rapidly create, integrate, visualize, and deliver content and data across the organization. This helps customers reduce the cost and delays of content creation and maintenance and improve the effectiveness of business processes that rely on diverse, distributed—and often isolated— islands of content and data.

## SOLUTION OVERVIEW

### Structured Authoring and Reuse

Aerospace and defense companies can accelerate creation and improve the quality and consistency of business-critical documents while reducing the cost and complexity of multi-channel publishing, localization, and maintenance over time. JustSystems' structured authoring and reuse solutions allow both technical authors and business contributors to easily create valid XML to accelerate the creation, simplify the maintenance, and improve the quality of content found in business-critical documents, including technical publications, advisories, parts catalogs, and any other key documents or content-based communications vehicles. Structured authoring provides the basis for reuse, localization, and multi-channel publishing of business-critical content, and the XMetaL product line is the leading structured authoring and publishing solution available today.

XMetaL provides a rich authoring solution that allows technical editors to exploit the full power of XML while enabling business contributors to create XML in a highly intuitive, WYSIWYG environment. XMetaL Reviewer is a powerful collaborative solution for streamlining the content creation, review, and approval lifecycle. XMetaL XMAX is a component framework that allows structured authoring capabilities to be transparently embedded into any web-based or traditional application. XMetaL provides a flexible and powerful means for companies to ensure important information assets are accurate, current, and presented in the most effective form.

Solution Name	Description
<b>Technical Publications</b>	Aerospace and defense companies need to be able to create, store, and manage technical information and incorporate it into existing maintenance procedures. For example, an engine manufacturer may issue new or revised torque numbers for specific parts, and the new technical information would have to be updated and reconciled within current maintenance procedures. And every 90 days airlines are issued information in the form of change pages. Anything that is critical comes in as a temporary revision, and all updated safety and maintenance items are addressed within change pages. XMetaL reduces the time needed to share critical information and provides customers with the ability to view only the changes that require immediate attention. This dramatically accelerates the time needed to reconcile and update maintenance procedures, and organizations benefit from an instant audit trail to improve quality assurance and the accuracy of information.
<b>Service Bulletins/Advisories</b>	The ability to reuse information in maintenance manual publications is essential to organizational productivity. With XMetaL, the information within the maintenance manual can easily be incorporated into required maintenance procedures. Companies can reduce the cost of repairs by improving the information flow and delivery of maintenance procedures, and they can enhance the timeliness of repair due to the synchronization of time schedules and maintenance and repair descriptions.
<b>Standard Operating Procedures (SOPs)</b>	Airlines have SOPs for everything to improve efficiency and provide a framework for various procedures. An example would be the development and implementation of fuel efficiency SOPs because the timing and use of engines during idle and power up phases is regulated to minimize the consumption of fuel. The scope and complexity of SOPs is daunting because they are continually tweaked and updated. XMetaL ensures the accuracy of SOP information with the ability to reuse content within these documents.

## SOLUTION OVERVIEW

### Aerospace and Defense Solutions from JustSystems

XMetaL, the XML-based software for structured authoring and content collaboration, helps your organization get to market faster with your products and streamline maintenance by bringing structure and automation to managing high volumes of valuable content. Companies in the aerospace and defense industries worldwide rely on structured authoring and reuse and dynamic delivery solutions from JustSystems to create, unify, visualize, and deliver business-critical information that improves productivity, efficiency, and profitability. For more information about our solutions, visit [www.justsystems.com](http://www.justsystems.com).

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#### About JustSystems

JustSystems is a leading global software provider with over three decades of successful innovation in office productivity, information management, and consumer and enterprise software. With over 2,500 customers worldwide, the company is continuing a global expansion strategy based on its XMetaL content lifecycle solutions, the world's most complete and user-friendly XML authoring tool. JustSystems has been received many industry accolades including: *KMWorld's* Trend Setting Product of 2011, 2010's *KMWorld's* 100 Companies that Matter in Knowledge Management, *Software Magazine's* The Software 500 of 2008, and many others. Major strategic partnerships include IBM, Siemens, and EMC. For more information, visit: [www.justsystems.com](http://www.justsystems.com).

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