Artificio Products Inc. Secures Aerospace & Defense Client, Accelerates SAP Data Migration & Expands AI Automation

Artificio Products Inc. accelerates aerospace SAP data migration with AI, saving $40K, cutting 3-month timelines to 3 days, and expanding enterprise automation.

Artificio Logo

IRVINE, CA, UNITED STATES, November 12, 2025 /EINPresswire.com/ -- Artificio Products Inc., an emerging leader in AI-driven intelligent document processing and enterprise automation, today announced that it has successfully partnered with a leading aerospace and defense manufacturer to fast-track its SAP Quality Management (QM) data migration and workflow automation initiatives. Through its flagship Artificio Platform, the company delivered significant efficiency gains, achieving in three days what was projected to take a three-month manual effort, resulting in an estimated $40,000 cost savings for the client and preventing potential SAP go-live delays.

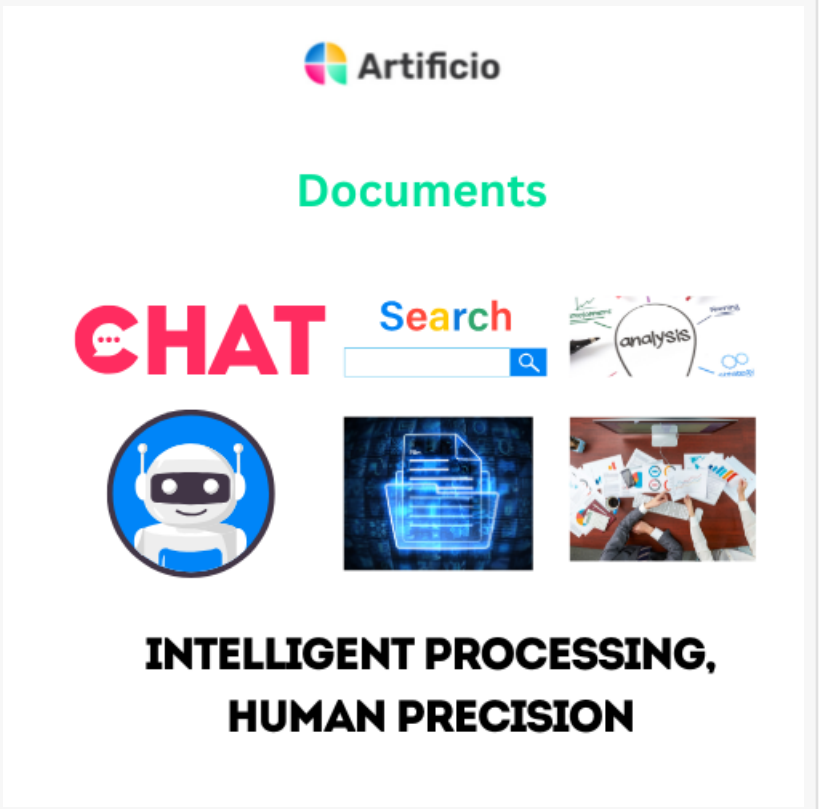
> Many organizations today experiment with large language models, but few can translate AI capabilities into measurable business results”
>
> *Lal Singh, Founder and CEO of Artificio*

This success further cements Artificio’s position as a trusted AI automation partner for data-intensive, compliance-driven industries such as aerospace, defense, manufacturing, and automotive — sectors where precision, data quality, and operational readiness are mission-critical.

A Mission-Critical Challenge in the Aerospace Sector

As part of its digital transformation strategy, the aerospace client was implementing SAP S/4HANA Quality Management (QM) for one of its key production facilities. The implementation required the creation of Master Inspection Characteristics, Inspection Plans, Inspection Methods, and Sampling Procedures — foundational data objects necessary for ensuring quality control and compliance within the SAP system.

The client faced a significant challenge: the necessary information existed only within hundreds of engineering and quality documents, including technical drawings, testing protocols, and inspection manuals. Extracting and structuring this data into SAP-ready formats was expected to be a labor-intensive task, requiring the hiring of five interns for three months to manually process and verify the information.



Intelligent processing and workflow automation

This approach posed multiple risks:

Potential delay in SAP integration testing and go-live timelines,

Increased human error in data extraction and mapping,

Additional resource overhead costs for temporary staffing, and

Possible inconsistencies in inspection master data across plants.

The company's IT leadership sought an automated, reliable solution that could accelerate the process while maintaining SAP compliance and data integrity.

Artificio Steps In: AI-Powered Automation Replaces Manual Data Extraction

Recognizing the urgency and complexity of the task, the aerospace company engaged Artificio Products Inc. to explore automation alternatives using AI and cognitive computing.

Artificio deployed its proprietary Artificio AI Platform, an enterprise-grade intelligent document processing (IDP) and workflow automation solution designed to handle both structured and unstructured data sources.

Within three days, the platform was able to:

Extract all necessary data points from diverse document formats (PDFs, images, scanned manuals, and technical specifications),

Validate and structure the data according to SAP QM data templates,

Automatically generate missing data fields using predictive models trained on prior inspection data, and

Deliver complete, reviewed, and formatted output ready for direct upload into the SAP system.

This automation eliminated manual data entry, reduced human dependency, and significantly enhanced data accuracy. The overall engagement was completed well ahead of the integration testing phase, enabling the client to proceed confidently toward SAP go-live without schedule slippage.

Comparative Evaluation: Why Artificio Outperformed Global AI Leaders

Before selecting Artificio, the aerospace client conducted a comparative evaluation involving major AI players, including OpenAI, Perplexity and Google Gemini. The client sought a platform capable of handling large document sets, complex tabular data, and highly specific technical terminology used in aerospace engineering and quality assurance.

While these global platforms provided generic natural language understanding capabilities, the client found that Artificio outperformed them in key enterprise metrics, including:

Data Format Precision: Artificio generated structured outputs directly aligned with SAP master data models, reducing post-processing requirements.

Document Scalability: The platform seamlessly handled hundreds of high-resolution documents without performance degradation.

Accuracy and Completeness: Artificio's ensemble AI model architecture ensured accurate field-level extraction and detection of missing data.

Enterprise Integration: Artificio's output was immediately usable for SAP QM data migration, minimizing transformation effort.

The comparative results validated Artificio's strength not only as an AI model but as a complete enterprise-ready automation platform tailored for business use cases.

CEO Perspective: Driving Tangible Enterprise Impact

"Many organizations today experiment with large language models, but few can translate AI capabilities into measurable business results," said Lal Singh, Founder and CEO of Artificio Products Inc. "Our engagement with this aerospace client demonstrates what happens when AI is purpose-built for enterprise data automation — faster outcomes, higher accuracy, and lower cost. What once required months of human effort can now be done in days, with complete

control over data quality and compliance."

Singh added, "This is exactly why we built Artificio — to eliminate manual data entry and bring digital intelligence into every corner of enterprise operations. Our vision is to empower organizations to automate not just documents, but entire business processes — securely, intelligently, and at scale."

Quantifiable Outcomes and Measurable Value

The results of the aerospace engagement were clear and impactful:

Timeline Reduction: From 3 months (manual effort) to 3 days (automated execution).

Cost Savings: Approximately $40,000 in avoided labor and project delay costs.

Data Accuracy: Over 98% precision rate in extracted and formatted SAP master data.

Operational Readiness: Enabled on-time SAP integration testing and go-live readiness.

These outcomes translated directly into improved project efficiency, reduced dependency on temporary resources, and ensured consistent data governance aligned with SAP quality standards.

Beyond Data Extraction: Expanding the Platform Across Business Processes

Impressed by the efficiency and accuracy of Artificio's platform, the aerospace client has decided to extend the platform to additional business functions beyond Quality Management.

In the next phase of adoption, the client plans to use Artificio's automation and workflow modules to:

Digitize invoice approval workflows, enabling faster, AI rule-based processing with audit trails.

Automate material master creation, leveraging document and workflow intelligence to ensure accurate master data governance.

Streamline production order confirmations to capture and validate actual production costs in real time.

Replace existing RF (Radio Frequency) screen layouts with Artificio-generated intelligent forms that simplify inventory transactions and improve user experience after SAP go-live.

These implementations are expected to enhance employee productivity by up to 70 times and

substantially reduce IT support overhead, freeing up technical teams to focus on innovation and system optimization rather than manual maintenance tasks.

AI as a Strategic Differentiator in Aerospace and Defense

The aerospace and defense sector operates under some of the world's most demanding data management standards, where traceability, accuracy, and compliance are non-negotiable. The introduction of AI automation in these environments is often met with caution — yet Artificio's deployment demonstrated that AI, when engineered for enterprise-grade reliability, can coexist seamlessly with compliance frameworks like AS9100, ISO 9001, and ITAR.

Artificio's no-code interface, scalable architecture, and built-in validation layers make it particularly well-suited for aerospace organizations dealing with complex data ecosystems and document-heavy workflows.

By providing automation that aligns with SAP data structures and business processes, Artificio helps aerospace firms bridge the gap between traditional manufacturing systems and the digital enterprise era.

About Artificio Products Inc.

Artificio Products Inc. is a mid-sized AI and automation company headquartered in Irvine, California, dedicated to revolutionizing enterprise productivity through cognitive computing and intelligent automation. Its flagship product, Artificio, is an end-to-end platform that enables intelligent document processing, workflow automation, and no-code AI model deployment.

By extracting, validating, and structuring data from unstructured and structured sources, Artificio seamlessly integrates with ERP and enterprise applications like SAP, enabling organizations to accelerate digital transformation, improve accuracy, and lower operational costs.

Artificio's mission is simple yet transformative: to eliminate manual data entry and empower enterprises to work intelligently, efficiently, and at scale.

For more information, visit www.artificio.ai

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