



RESEARCH SOLUTIONS

MEDICAL DEVICE CASE STUDY

Leveraging Connected Platforms to
**Accelerate & Optimize
Clinical Evaluations**



Executive Summary

A leading provider in dental equipment manufacturing has successfully implemented Research Solutions' Article Galaxy and Curedatis platforms to digitize their processes and leverage rich AI capabilities to stay ahead in a rapidly evolving industry. This implementation has improved efficiency, productivity, and employee performance, as well as facilitated cost savings and smarter resource allocation.

They plan to continue harnessing the power of these platforms for their clinical evaluation requirements, proof that tools, technology, and teamwork drive success in the medical equipment manufacturing industry.

Key Stats

30% Time reduction per systematic review for the clinical evaluation

23-70 Hours saved per project (depending on complexity)

79% Of documents are delivered free of charge through extensive filtering

Embracing Digital Transformation

Before implementing Research Solutions' platforms, they faced challenges with duplicate article purchases, limited transparency, and numerous individual subscriptions, resulting in significant financial losses. Additionally, their teams were burdened with time-consuming tasks such as manual data entry and decentralized data management, leading to potential human errors.

By adopting advanced tools and SaaS platforms, the organization aims to equip its team members better and foster a digital transformation mindset deeply ingrained in the company culture. This innovative approach, driven by leadership buy-in and embraced throughout the organization, breaks away from traditional thinking and propels the company forward.

Innovative Solutions To Boost Efficiency

To avoid costly redundancies and establish a shared digital platform across different companies of the company, they implemented Research Solutions' Article Galaxy solution. Then, looking to digitize their literature screening processes as well, Curedatis was onboarded as a connected solution for the company's Clinical Evaluations department, with plans to extend its implementation across their other operating companies.

There was already high trust established in Research Solutions' Customer Support; their quick response and exceptional service facilitated a seamless digital transformation, allowing the teams to get up and running swiftly and effectively.

By integrating the Article Galaxy and Curedatis platforms into their workflows, they quickly enjoyed the advantages of:



Centralized data;



Automated tasks; and

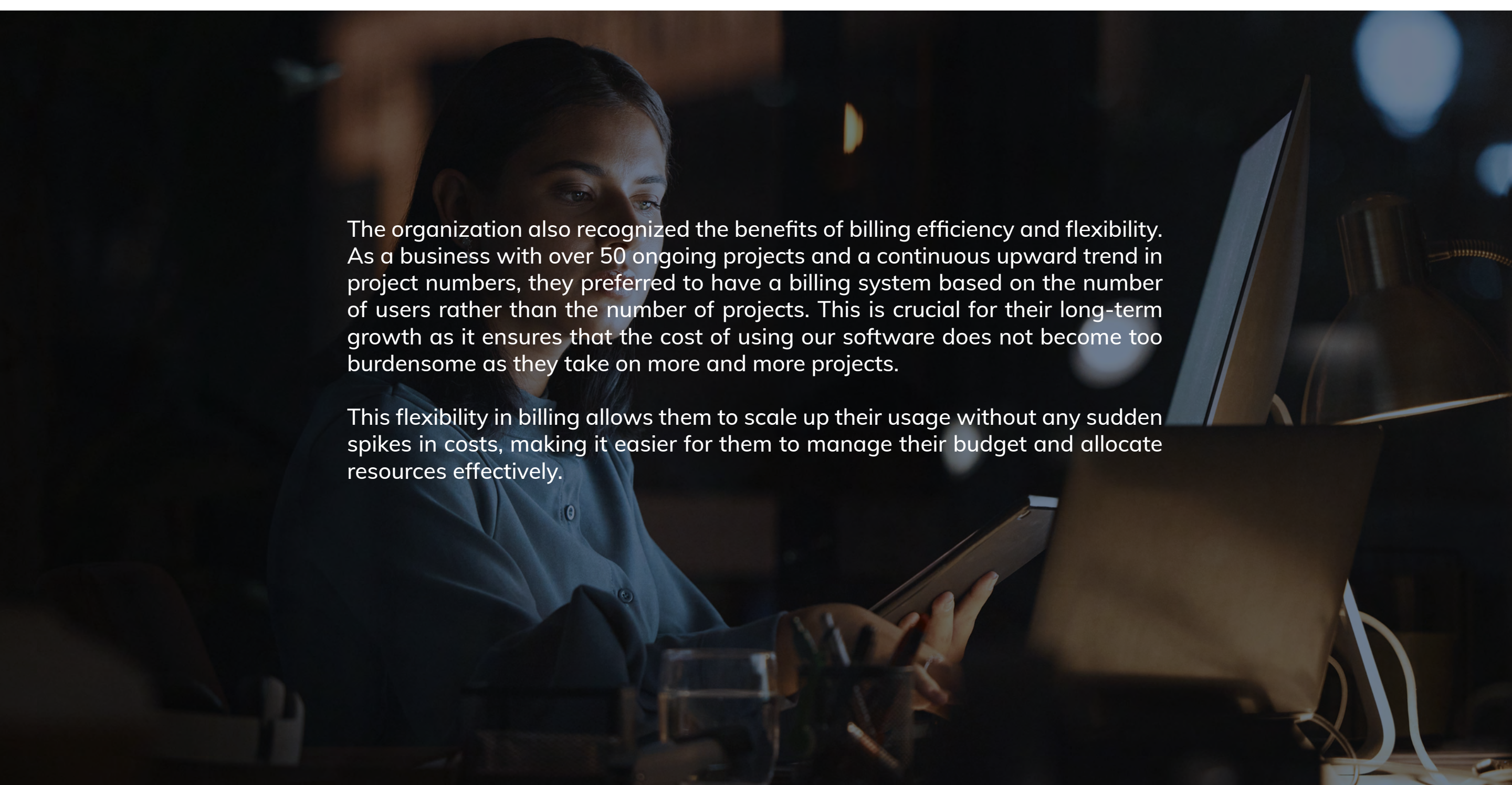


Intuitive, user-friendly interfaces.

Their team was also able to reduce the reference screening burden and optimize data extraction and appraisal.

“The connection between **Article Galaxy & Curedatis** allows our Clinical Evaluations team to reclaim valuable time, streamlining cumbersome processes and eliminating the need for multiple platforms.”

Clinical Evaluation Specialist



The organization also recognized the benefits of billing efficiency and flexibility. As a business with over 50 ongoing projects and a continuous upward trend in project numbers, they preferred to have a billing system based on the number of users rather than the number of projects. This is crucial for their long-term growth as it ensures that the cost of using our software does not become too burdensome as they take on more and more projects.

This flexibility in billing allows them to scale up their usage without any sudden spikes in costs, making it easier for them to manage their budget and allocate resources effectively.

A Long-Standing Development Partnership

At Research Solutions, one of their core missions is to innovate so their customers can achieve more. Their dynamic solutions are designed to better serve researchers and drive innovations. They are open to development suggestions and regularly integrate customer feedback. Due to their long-standing relationship, the company was among the first customers to help shape the platforms, achieving great success for their organization while contributing to and supporting the greater research community.

Additionally, Research Solutions continuously works with notified bodies and collects their critical feedback as cornerstones of regulatory compliance and data quality. Their impact on the Article Galaxy and Curedatis solutions was a major point of consideration for them in selecting these solutions.



Impact of AI

Stemming from the digital transformation mindset of the organization, the organization's users of Article Galaxy and Curedatis are early adopters of the platforms' AI advancements, which keeps the company ahead of the curve in a rapidly evolving industry.

The use of AI capabilities, such as PICO terms in Curedatis, has been a significant factor in improving their processes. AI capabilities provide instant key term highlighting and plan to save time with full-text screening. Article Galaxy's ChatGPT integration, which provides AI-generated summaries and serves article recommendations, has facilitated more informed article purchasing decisions.

By utilizing these features, they demonstrate the potential for AI in innovation workflows to advance breakthroughs and drive improved outcomes.

By The Numbers: Measuring Success

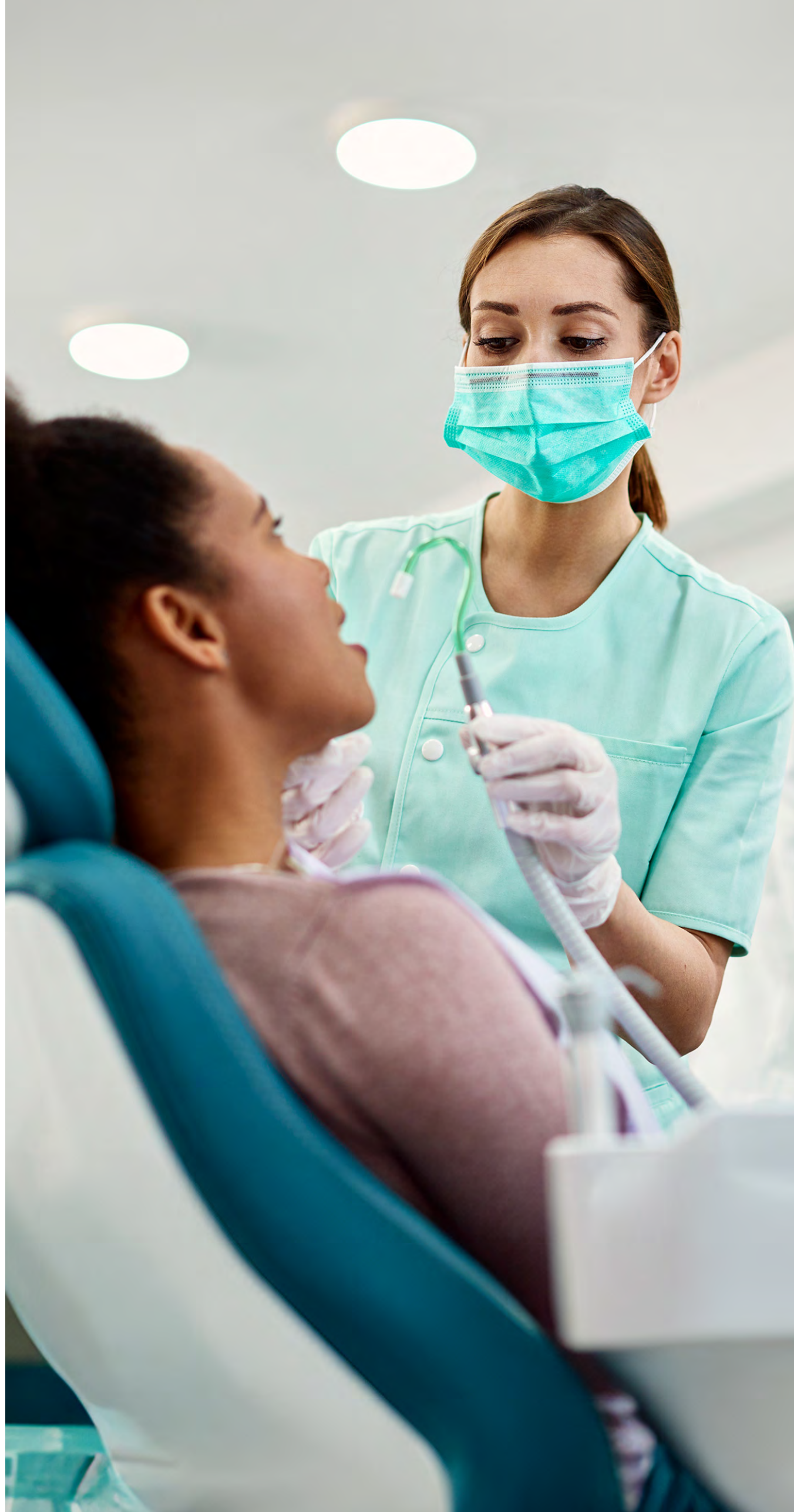
Since the implementation of Article Galaxy and Curedatis, the company has seen several notable improvements.

Time Saving & Productivity

The company processes more than 12,000 PDFs, so fast access to publications and one clear, centralized location for all those publications is crucial to saving valuable time.

With Article Galaxy and Curedatis, they have achieved a significant **30% reduction in their clinical evaluation reports**, resulting in impressive **savings of 23 to 70 hours per project**, depending on the complexity of each project. Additionally, the platforms' collaborative project capabilities have further enhanced efficiency by **fostering transparency** and enabling direct error correction.





Employee Satisfaction & Performance

Article Galaxy and Curedatis equip team members with innovative tools to enhance their job performance. This is especially beneficial for employees who are already familiar with the available tools and technology, as it **streamlines their work, saves time, and reduces copy/paste errors**. Additionally, it enables employees to stay organized by providing a centralized platform for everything they need, from requested article PDFs to corresponding data extraction sheets.

When employees feel **more enabled and better equipped** with the right tools to do their jobs efficiently, employee satisfaction and performance are considerably improved.

Cost Savings & Resource Allocation

With the integration of Article Galaxy and Curedatis, the organization has streamlined article spending and billing processes. By leveraging comprehensive insights into literature acquisition, usage, and overall knowledge management operations, they were able to determine that approximately **79 percent of their documents were delivered without any charges**, thanks to the platforms' robust filters. This not only enables them to gain a deeper understanding of how users access articles but also **facilitates smarter purchasing decisions** to maximize the return on investment (ROI) of scientific literature.

Furthermore, they have achieved additional cost savings and **more effective allocation of resources** through user-based billing, which proves to be more suitable for the organization's needs compared to project-based billing. This becomes increasingly important as the number of projects continues to grow steadily.

“We are partnering with an ideal customer. Their clinical experts and medical writers are enthusiastic about embracing new technologies and providing valuable development feedback. This collaboration is the key to Research Solutions' approach to building the ultimate knowledge workflow.”



Robert Radloff,
Director of Product Development
with Research Solutions.

Looking To The Future

The successful integration of Research Solutions' Article Galaxy and Curedatis platforms showcases the remarkable impact of technology in streamlining innovation processes. By achieving significant time and cost savings, enhancing employee satisfaction, and fostering future development opportunities, the company is poised to continue harnessing the power of these platforms for its clinical evaluation requirements.

The partnership between the organization and Research Solutions serves as a shining example of how tools, technology, and teamwork can propel success in the medical device manufacturing industry.

The Company

Global medical device manufacturer, specializing in advanced dental solutions for tooth replacement and orthodontics, with over 8,000 employees.

They bring together renowned international brands that embody excellence, innovation, and quality in replacement, corrective, and digital dentistry. Collaborating with top clinics, institutes, and universities, the company conducts pioneering research to develop and manufacture state-of-the-art products: dental implants, instruments, CAD/CAM prosthetics, biomaterials, and digital solutions for tooth replacement, restoration, and prevention of tooth loss. Their comprehensive range of products, solutions, and services is distributed across more than 100 countries through an extensive network of subsidiaries and partners.



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USA Phone:
+1 (310) 477 0354

Europe Phone
+44 (0) 7984 694152

Email
sales@reprintsdesk.com

Web
www.researchsolutions.com