

SAP S/4 HANA Migration: A new beginning to re-inventing drug manufacturing in the US.

About Client:

The client holds exclusive rights to produce Amoxicillin and Amoxicillin Clavulanate, known as Amoxil and Augmentin.

These medications constitute 30% of all prescriptions in the United States, with 1 in 12 Americans relying on them.

Previously, the US imported these drugs from China until a significant healthcare company intervened.

A transformative shift occurred when the client acquired a licensed facility in Bristol, TN, aiming to restore domestic antibiotic production in the United States.



About Client:

The client operates as a world-class pharmaceutical manufacturing facility, renowned for producing life-saving antibiotics with an unmatched quality track record.

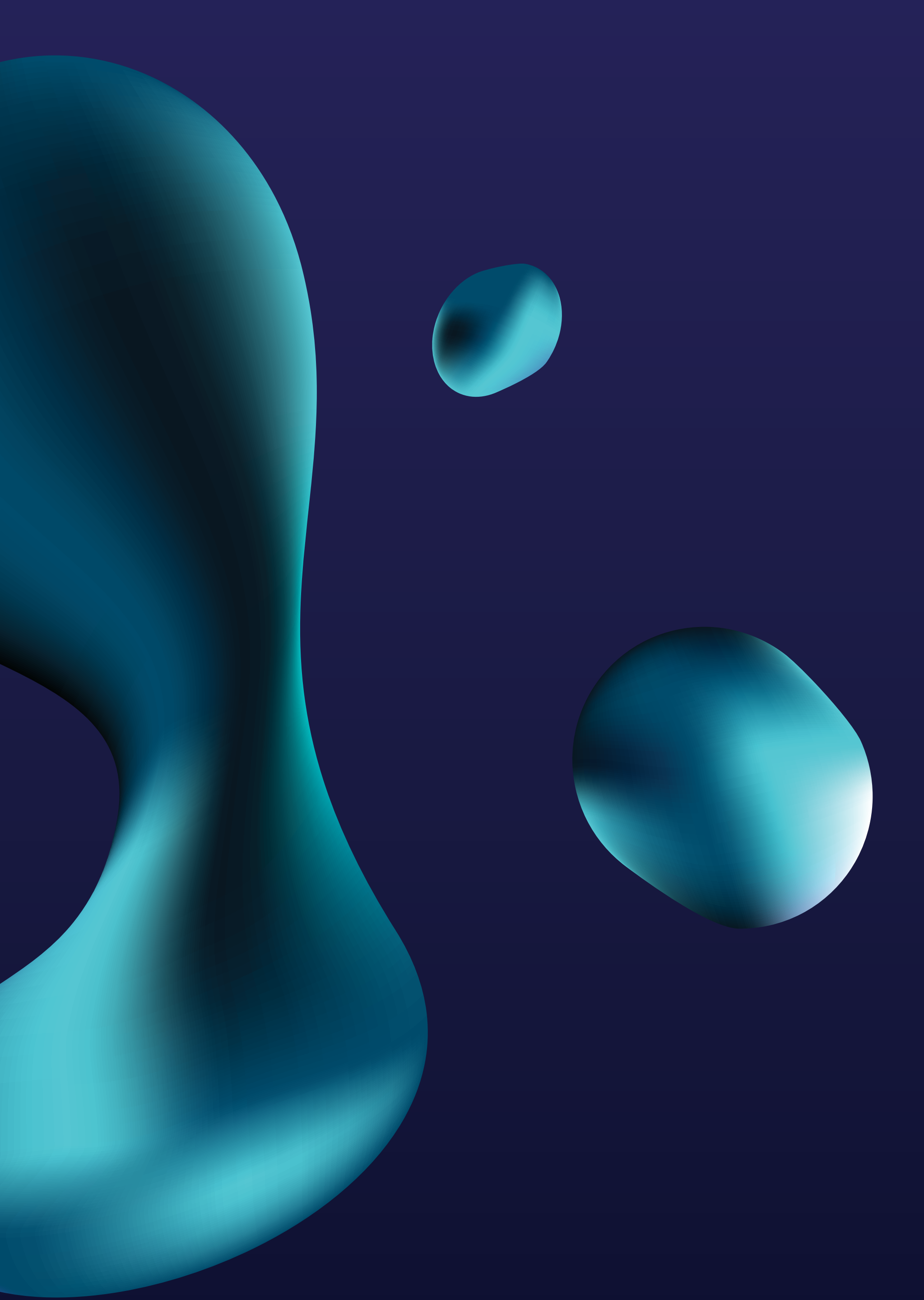
With over 40 years of successful experience in solid oral dosage forms of penicillin-based antibiotics, they stand as the exclusive American-based provider for amoxicillin and amoxil clavulanate.

This designation solidifies the client's status as the sole licensed American manufacturer of penicillin-based Amoxicillin and Amoxil Clavulanate, marking the reopening of the Bristol, Tennessee manufacturing facility on August 30, 2021.





By re-branding and integrating 3PLs, the client was able to start afresh with antibiotic production and distribution.



Driving Tech Transformation & Neutralizing Challenges:

The client was ready to commence production at their recently acquired facility, but they encountered an issue – the Enterprise Resource Planning system lacked their name and information.

We undertook the re-branding of the SAP S/4 HANA system, incorporating the client's name, logo, and ensuring seamless data migration while meticulously clearing any residual transaction data.

The subsequent challenge revolved around their new shipment model, desiring full-batch shipments via a third-party logistics provider for Order to Cash (OTC) and pick, pack, and ship operations.

This migration posed several hurdles, but our expertise led to innovative solutions, such as utilizing SAP's ALE tool for transferring master data between systems.

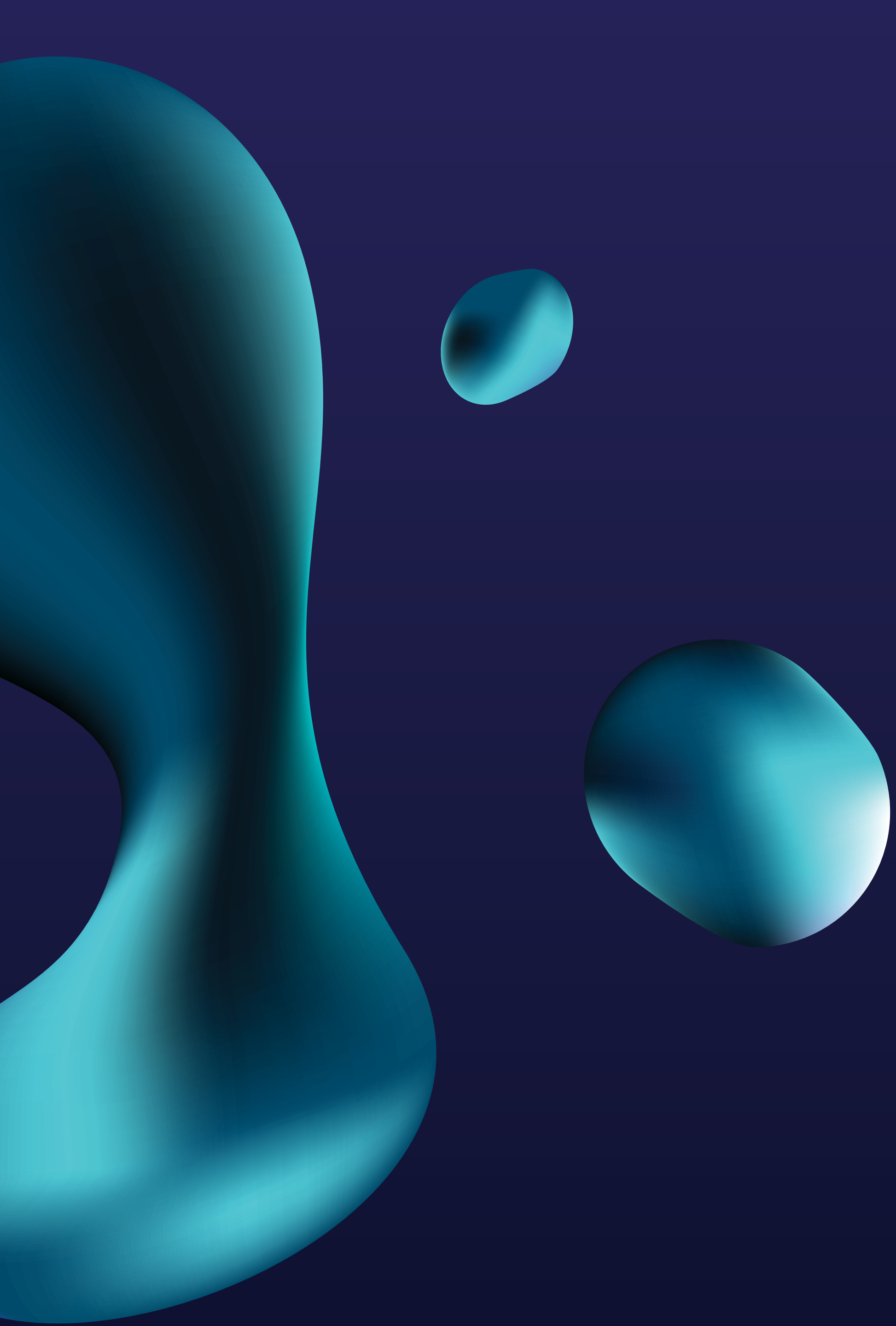


Driving Tech Transformation & Neutralizing Challenges:

Further, we tackled the task of integrating their SAP system with an external logistics partner (3PL).

This necessitated the creation of a customized program to streamline their order-to-cash (OTC) process, reduce errors, and design a program for registering their serial numbers in SAP for their medicines.

Our business scope required encompassment of proficiently managing Materials Requirement Planning (MRP), Make to Order, and Make to Stock Production.

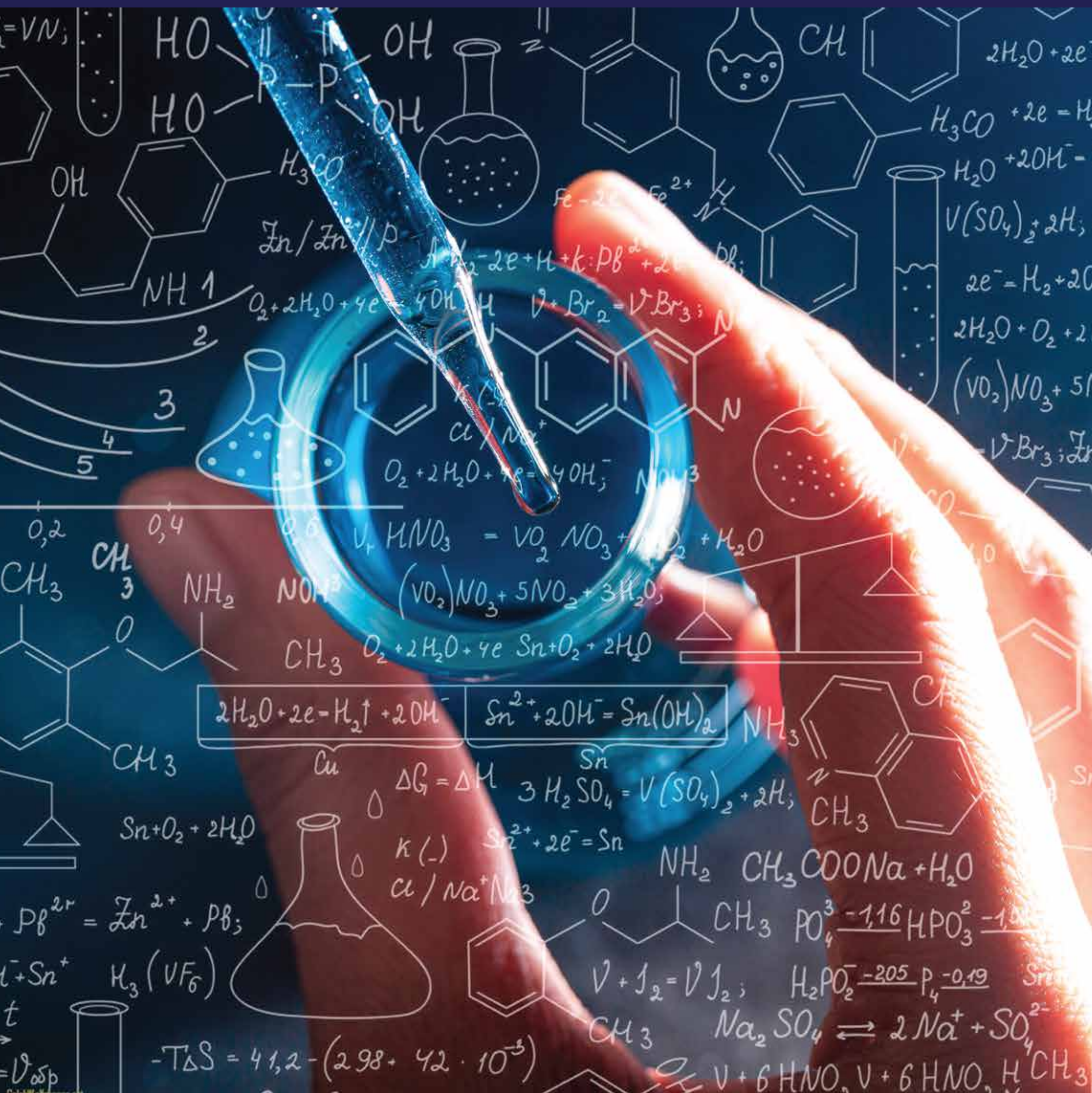


Driving Tech Transformation & Neutralizing Challenges:

This involved streamlined batch traceability and precise order processing within inventory management.

Our platform had to ensure effective inventory tracking through real-time shipment monitoring and batch-level inventory detection, promptly identifying shortages and tracking orders.

This comprehensive approach would provide invaluable insights into product transparency, ensuring profitability, controlled pricing, and automated billing processes, ultimately enhancing operational efficiency and control.



Realizing the Solution:

The project included tasks such as requirements gathering, testing, and addressing system issues. The plan also involved data migration and ongoing support.

We initiated our migration by leveraging ALE (Application Link Enabling), a robust technology facilitating the exchange of hierarchical data documents, known as Intermediate Documents (iDocs), between SAP systems.

ALE offers two integration options: inbound to SAP and outbound from SAP. Currently, our connector release exclusively supports outbound iDocs from SAP.

This ALE tool provided us with several advantages, enabling the seamless transfer of intricate master data between SAP systems.

Custom programs were implemented to streamline the order-to-cash (OTC) process, enhancing efficiency, and reducing errors.

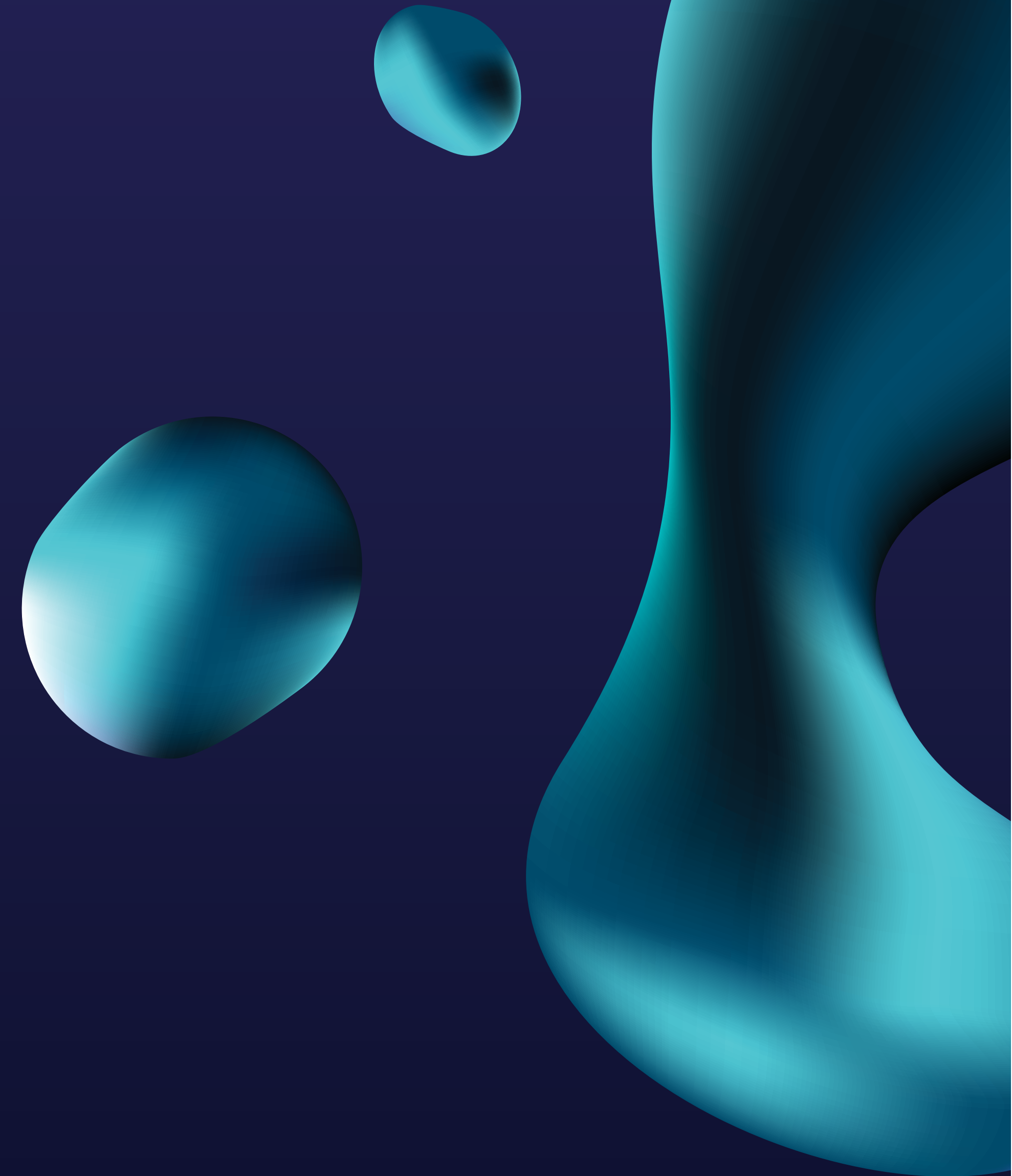
Realizing the Solution:

One program manages flat files deposited by the 3PL in their SFTP folder, integrating them seamlessly into the SAP environment.

Another automated program streamlines goods receipt in the receiving plant during stock transport orders, initiating the process upon goods issuance in the supplying plant, improving delivery timeliness and reducing manual tasks.

Additionally, an FTP folder was established to store customer payment details, integrated with a third-party logistics provider, and updated automatically within SAP for accurate payment reconciliation, facilitating debit and credit memo creation.

The SAP S/4HANA 1709 solution was swiftly implemented within a 16-week timeframe.



Realizing the Solution:

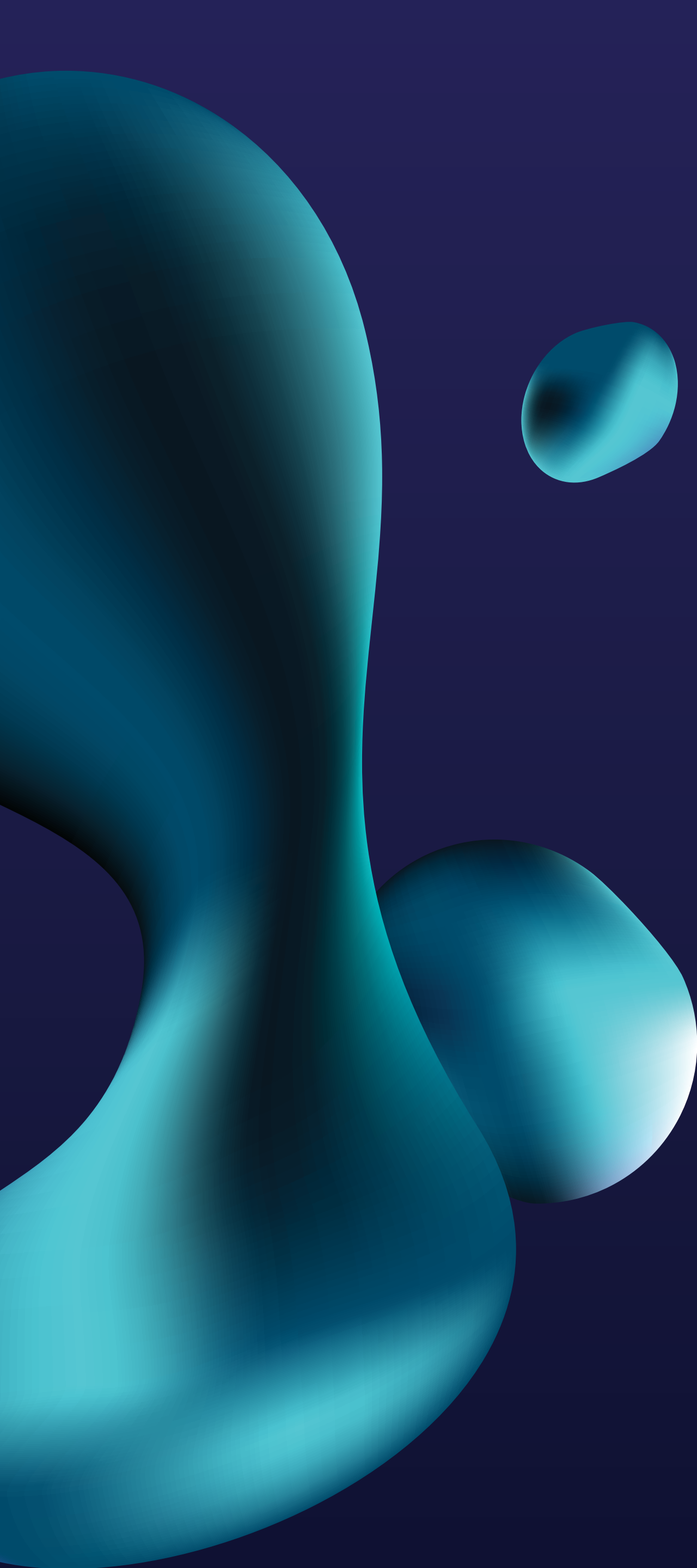
It covered various areas including Financials, Sales and Distribution, Procurement, Plant Maintenance, Production Planning, Quality Management, and Warehouse Management.

Integration with RF Devices, Laboratory Information Management Systems (LIMS), Document Management System (DMS for batch records), and SAP Fiori was successfully accomplished.

Additionally, ITRadiant offered support for validation document preparation, training, and testing throughout the OQ, IQ, and PQ processes.

Summarily, ITRadiant delivered a comprehensive, rebranded system that successfully automated the client's shipment model, contributing to the overall triumph of the project.





Achieving Goals:

The integration of existing technologies and innovative approaches enhanced the new SAP S/4 HANA system for the client through collaboration with ITRadiant.

This rebranded ERP system enabled the alignment of company vision and goals with the newly acquired facility, ensuring the continued production of Amoxicillin, and associated antibiotic products.

The implementation also automated their shipment model and facilitated efficient execution of customer payment reconciliations.

As a crucial manufacturing infrastructure spanning 394,000 square feet, this client facility significantly bolstered production capabilities. ITRadiant proudly contributed to the client's mission to augment domestic medical supply and reinvigorate antibiotics production within the US.

Client USA	Industry Pharma	Products & Services Antibiotics	Employees 50 - 200	Featured Solutions: SAP S4 HANA
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