

DATART adopts Next-Generation SAP Systems

Transition to SAP S/4HANA with subsequent migration to the Cloud via RISE WITH SAP



Situation

- HP Tronic Zlín s.r.o., the operator of the DATART retail chain, has been a long-standing SAP customer. With a focus on further growth and enhanced competitiveness, the company decided to replace its existing SAP R/3 ERP system with the modern SAP S/4HANA Cloud ERP system. The purpose of this change was to move to a system that will be continuously supported and innovated in the long term, offering a stable technological platform without the risk of outdated or unsustainable solutions
- An important accelerator of this transformation was the upcoming acquisition of NAY a.s., which required a modernization of HP Tronic Zlín s.r.o.'s IT infrastructure to enable smooth integration of new business units

Challenges

- Implement SAP S/4HANA Private Cloud within the defined budget and timeline, i.e., prior to the planned acquisition of NAY a.s.
- Minimize system downtime and the impact of changes on ongoing operations, while maximizing short- and long-term benefits
- Reduce the size of the production system database (nearly 5 TB) to shorten conversion time, enable cloud migration, and ensure favorable licensing conditions
- Harmonize data structures and adopt the new Business Partner master data model
- Ensure reliable connectivity between the cloud-based SAP system and remaining on-premise systems

Solution

- Reduced database size by 40% (to 3 TB) by archiving and moving SAP Office documents and attachments to SAP Content Server
- Used Data Sync Manager (Epi-Use) for selective data export, reducing the size of DEV and QA systems to under 800 GB
- Carried out four test S/4HANA conversions to identify and optimize the slowest parts of the process, thereby minimizing downtime
- Performed brownfield conversion from SAP R/3 to SAP S/4HANA (on-premise)
- Migrated the production SAP S/4HANA system to the RISE with SAP private cloud
- Implemented ExpressRoute to establish fast and stable connectivity between Azure datacenters and on-premise systems
- Migrated SAP BW to SAP Datasphere
- Implemented new Settlement Management for handling vendor bonus agreements
- Developed a new interactive vendor claims form within SAP BTP

Benefits

- Deployment of the new ERP system without any negative impact on ongoing business operations
- Modernized IT infrastructure with more efficient management via the RISE with SAP cloud environment
- Achieved favorable licensing terms through database size reduction
- Improved scalability with the transition to SAP S/4HANA Cloud Private Edition, supporting future company growth
- Enhanced and accelerated reporting and analytics capabilities through the move to SAP Datasphere, enabling advanced data analysis
- Successfully integrated 30 new stores following the acquisition of NAY a.s.

Future plans and development

- Implemented SAP Analytics Cloud for improved predictive analytics and data visualization to support strategic decision-making
- Deployed SAP EWM for advanced warehouse management
- Replaced SAP PO with SAP Cloud Platform Integration Suite as the new integration platform



Industry

Retail

LoB

Sales, Purchasing, Logistics

Customer

HP Tronic Zlín, s.r.o.

Headquarters

Zlín, Czech Republic

Products and services

Electronics and home appliances

Number of employees

>3500 (2024)

System environment

- SAP S/4HANA Cloud Private Edition
- SAP Datasphere

Project Implementation Timeline

4/2023–6/2024

Reference

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