

Packaging Innovations Leader: Strategic SAP Database Transformation

Company Profile

A global leader in packaging solutions faced strategic technology modernization challenges as part of their broader digital transformation journey. With annual sales in the Billions and thousands of employees serving customers across the globe, this manufacturer provides critical protective packaging and automated systems that enable safer, more efficient supply chains worldwide. Their innovative product portfolio supports diverse industries, from food packaging to valuable goods protection.

As the organization pursued ambitious modernization goals, they recognized that their core SAP systems required significant optimization to enable broader technology transformation.

Business Drivers and Challenges

Strategic Imperatives

The company's executive leadership identified several critical business drivers for their SAP database transformation:

- ✔ **Comprehensive IT Modernization:** A foundational requirement to update core business processes and supporting technology
- ✔ **Cloud Transformation:** Strategic migration of key workloads to cloud platforms
- ✔ **Data Center Footprint Reduction:** Consolidation of physical infrastructure to reduce operational costs
- ✔ **SAP Platform Migration:** Transition from SAP ECC to cloud infrastructure on Microsoft Azure
- ✔ **Database Migration:** Critical move from traditional database to SAP HANA



Technical Challenges

The organization encountered significant technical obstacles in their transformation journey:



- ✓ **Database Size Constraints:** Excessive SAP database size impeding efficient migration
- ✓ **HANA Migration Requirements:** Need for optimized database footprint for successful HANA implementation
- ✓ **System Complexity:** Multiple SAP modules including ECC and Master Data Governance (MDG)
- ✓ **Performance Requirements:** Maintaining or improving system performance during and after migration
- ✓ **Business Continuity:** Ensuring uninterrupted operations throughout the transformation process

Strategic Solution: SOLIXCloud Active Archiving for SAP

After thorough evaluation, the company selected SOLIXCloud Active Archiving for SAP as its enabling technology for database optimization and migration preparation.

Solution Approach

The implementation followed a phased, methodical approach:

Phase I: Initial assessment and planning

- Comprehensive data analysis
- Object identification and prioritization
- Development of archiving strategy
- Implementation roadmap creation

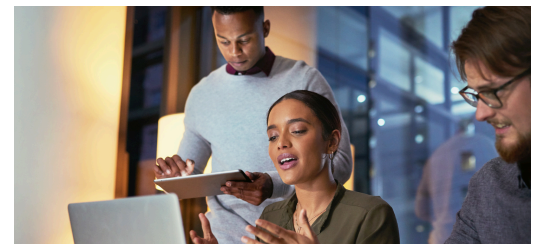
Phase II & III: Enterprise-wide implementation

- Active archiving across 21 SAP objects
- Systematic optimization of ECC and MDG databases
- Validation of data accessibility
- Performance verification

Technical Implementation Details

The solution included several key components:

- ✓ **Platform:** SOLIXCloud Active Archiving for SAP
- ✓ **Scope:** 17 objects from ECC and 6 objects from MDG
- ✓ **Volume:** 8.5 terabytes of archived data through January 2025
- ✓ **Integration:** Seamless connection with existing SAP landscape
- ✓ **Accessibility:** Maintained user access to archived data
- ✓ **Compliance:** Preservation of data retention requirements



Implementation Journey

The organization adopted a structured implementation methodology designed to minimize business disruption while maximizing technical benefits:

Assessment and Planning

The initial phase focused on thorough analysis of the existing SAP landscape:

- Data growth patterns and projections
- Performance bottlenecks identification
- Critical business processes mapping
- Regulatory and compliance requirements documentation

Iterative Implementation

The archiving process proceeded with careful attention to business requirements:

- Object-by-object archiving sequence
- Continuous validation of data integrity
- Progressive performance monitoring
- Regular stakeholder updates

Platform Optimization

As archiving progressed, the teams monitored system improvements:



- ✓ Database size reduction tracking
- ✓ Query performance measurements
- ✓ System response time monitoring
- ✓ Resource utilization assessment

Business Outcomes

The SOLIXCloud Active Archiving implementation delivered significant business value across multiple dimensions:

Immediate Benefits

- **Database Optimization:** Substantial reduction in SAP database size
- **Performance Improvement:** Enhanced system responsiveness
- **Operational Efficiency:** Streamlined backup and maintenance processes
- **Infrastructure Savings:** Reduced storage requirements

Strategic Enablement

- **Cloud Migration Readiness:** Optimized database prepared for Azure migration
- **HANA Implementation Viability:** Right-sized database for successful HANA deployment
- **Business Process Modernization:** Foundation for improved operational workflows
- **Digital Transformation Acceleration:** Removed key technical barriers to broader innovation

Future Roadmap

Building on the successful database optimization, the organization is now positioned to advance multiple strategic initiatives:

- Complete migration to Microsoft Azure cloud infrastructure
- Implement SAP HANA database platform
- Explore additional SAP module modernization
- Further reduce physical data center footprint
- Enhance analytics capabilities with optimized data architecture



Conclusion

Through partnership with Solix Technologies, this global packaging leader transformed their SAP database landscape, enabling strategic platform migration while improving performance and reducing operational costs. The successful implementation demonstrates how manufacturing organizations can efficiently optimize their core systems as a critical foundation for broader digital transformation.



Database Optimization

Substantial reduction in SAP Database size



Performance Improvement

Enhanced system responsiveness



Operational Efficiency

Streamlined backup and maintenance processes



Infrastructure Savings

Reduced storage requirements

Solix Technologies, Inc. is a leading cloud data management application solution provider that empowers data-driven enterprises with solutions for digital transformation including Enterprise Archiving, Enterprise Data Lake, Consumer Data Privacy and Enterprise Content Services. SOLIXCloud Common Data Platform provides an Information Lifecycle Management (ILM) framework to provide compliance and data governance for both current and historical data.