

How to maximize the value of your SAP S/4HANA upgrade

Enterprise Asset Management + Cordant™
Asset Strategy services delivers a clear
strategic advantage



Contents

- 03** Bridging the gap between asset strategy and work management >
- 04** Value of integration >
- 05** How Cordant™ can help accelerate ROI >
- 07** Customer case study >
- 09** About Cordant™ >

Introduction

Bridging the gap between asset strategy and work management

Asset-intensive industries face relentless pressure to enhance operational efficiency, maximize asset performance, and ensure sustainable practices. With many organizations having access to similar assets and talent pools, competitive differentiation stems not from what assets are owned but from how effectively they are managed.

Organizations have traditionally used two key types of systems to manage their assets: Enterprise Asset Management (EAM) and Asset Performance Management (APM). Each of these systems plays a pivotal yet distinct role in ensuring assets are effectively maintained to deliver the optimal balance of performance, cost, and risk.

EAM systems, like SAP S/4HANA, support the efficient execution of maintenance activities and the management of associated asset data. Its core functions support organizations in managing work orders, planning and scheduling routine and corrective maintenance tasks, managing spare parts inventory and materials procurement and ensuring compliance. S/4HANA

can also serve as a system of record for an organization's assets and the history of work performed on them.

For S/4HANA to be utilized effectively, the data and asset strategies within must be kept up to date, and the system should be updated regularly to take advantage of the latest features and advances in areas like analytics and AI. S/4HANA and work execution should also form part of a comprehensive approach to asset management. This is where Cordant™ Asset Strategy services come into play.

Cordant™ Asset Strategy services help organizations extract maximum value from S/4HANA in a number of ways, starting with the consolidation and optimization of maintenance plan master data. The Cordant™ Asset Strategy services team extracts, aligns, and enhances maintenance strategies, establishes and revises functional location hierarchies, conducts criticality assessments, and formulates maintenance plans.



Value of integration

A new or upgraded S/4HANA will not improve asset reliability or performance on its own. Having reliable Master Data and optimized maintenance strategies unlocks the full potential of a S/4HANA to enable improved reliability, reduced costs, and enhanced operational efficiency.

Siloed vs integrated asset management

Challenges in siloed environments	Benefits of Cordant Asset Strategy + SAP S/4HANA Integration
Ineffective or suboptimal maintenance strategies	Foundational strategy is set with sound applicable and justified strategy. Dynamic strategy management builds on this foundation to ensure strategies are continually optimized to reflect asset condition and operational requirements
Workflow friction, inefficiency, & ineffective use of resources	Streamlined product workspace supporting proven and trusted customer processes, augmenting people and process to provide an efficient and effective mechanism for planning & scheduling; reduced manual effort; Right-sized maintenance
Difficulty scaling improvements & best practices	Rapid deployment of standard strategy updates across the enterprise; Consistent application of maintenance strategies yet customized for operational context; Enterprise-wide continuous improvement with incremental and step change learning opportunities.

How Cordant™ can help accelerate ROI from your S/4HANA investment

The justification to switch or upgrade an EAM is typically based on a greater return to the organization in terms of anticipated improvements in asset performance and/or a reduction in costs. However, an upgrade is unlikely to deliver an improvement in asset performance, especially if the upgrade involves simply taking current maintenance plans and migrating them into the new system.

The maintenance plans an organization executes are the single biggest influence on asset performance. So, to extract the maximum value from an EAM upgrade, don't just download, translate, and upload the existing maintenance plan master data into the new system.

Now is the opportune time to improve the quality, accuracy, and consistency of master data.

The Cordant™ Asset Strategy application and our portfolio of services support this process of data improvement and the optimization of maintenance plans. We can also help you accelerate and sustain value from your S/4HANA investment.

How Cordant™ Asset Strategy helps



01

Digital strategy development and optimization

Cordant™ Asset Strategy enables the development of financially optimized reliability strategies using a centralized, connected, and complete data set. Your existing data, cleansed, consolidated, structured, and supplemented by our component strategy library, enables informed and accurate modelling of maintenance scenarios that deliver optimal performance.

Our rule-based generation of master data coupled with Cordant™ Asset Strategy services, and our depth of experience also drives high quality, more complete master data with consistent data structures to provide a clear path from maintenance plans to reliability analysis. This master data effort unlocks multiple value streams including the ability to benchmark performance across different assets, systems, and sites.



02

Rapid strategy deployment

Cordant™ Asset Strategy makes deployment of your reliability strategies easy. It generates S/4HANA compliant master data ready for direct electronic implementation. You can group maintenance tasks using your business rules, for effective planning, scheduling, and execution.



Case study:

Master Data Optimization Boosts Productivity for Mining Giant

Overview

A global mining company partnered with our Cordant™ Services team to optimize its maintenance strategies in preparation for an upgrade to SAP S/4HANA. Initially launched across six sites and later expanded to ten, the initiative focused on conducting a criticality analysis and implementing consistent, structured maintenance plans for all critical assets.

Using Cordant™ Asset Strategy, the team developed FMEA-based strategies tailored to asset-specific conditions. These strategies were designed to reduce non-value-added tasks, improve reliability, and align maintenance with operational goals.



Challenges

Before the engagement, the client faced several issues:

- Inconsistent and undocumented maintenance strategies across sites.
- Heavy reliance on institutional knowledge, which was at risk due to workforce aging and mobility.
- Outdated or inaccurate asset data in their CMMS.
- Missed opportunities for performance improvement during previous system transitions due to a lack of maintenance plan reviews.

To address these concerns, the Cordant™ team conducted a field audit to clean up asset hierarchies and implemented a structured, data-driven strategy development process.

Results

The project delivered measurable improvements across the client's maintenance program.

These results position the client to adapt maintenance strategies as operating and market conditions evolve—ensuring long-term reliability and cost efficiency.

- Significant reduction in unplanned downtime of critical assets
- Consistent maintenance strategies for like equipment across sites
- Anticipated time savings through a reduction in non-value-added tasks

KPI	Value
Sites Covered	10
Critical asset addressed	10,000+
Projected cost savings	\$103+ M (over 20 years)
Annualized ROI	111% (over 4 years)

About Cordant™

Offered as a modular and composable solution, Cordant™ enables customers to address specific use cases such as health, strategy, defect elimination, process optimization, and sustainability performance and seamlessly expand capabilities as their needs evolve.

Cordant™ includes a broad range of services that provide a path to success for every customer and help to sustain long-term value realization. Services include master data development, maintenance strategy development, and integration services to support the deployment or upgrade of SAP S/4HANA.

Cordant™ also connects applications and data from across assets and siloed data sources, providing a seamless view across asset, process, and sustainability operations, such that organizations can surface critical insights to.