SAP BTP In-a-Nutshell:
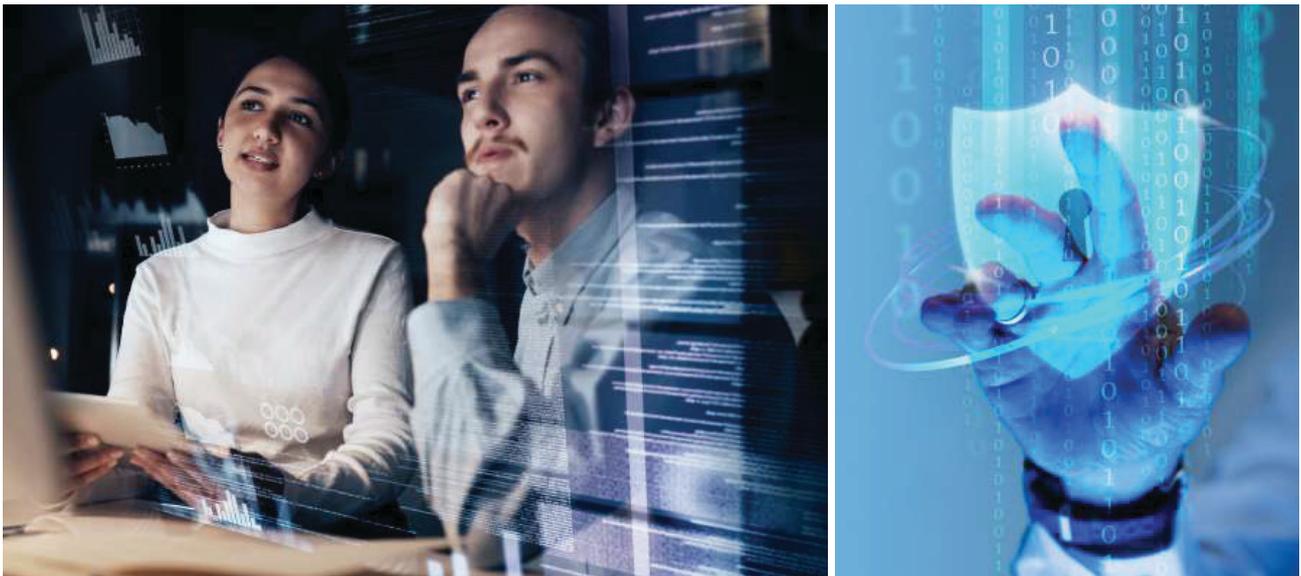## Data Management

Table of **Contents** ———

SAP BTP:
Why you should care

Change can be intimidating, especially when it involves upgrading your core business systems. Nonetheless, clinging to an outdated implementation can hold your organization back from its full potential.

Building on top of a core IT infrastructure and making constant forklift upgrades creates complexity and impacts modernization, integrations, and data transactions.

These setbacks ultimately impact an organization's ability to innovate, respond to the ever-changing market demands, and keep up with the current pace of technology.

What is SAP BTP?

SAP Business Technology Platform (BTP) makes upgrading and integrating third-party applications and data assets a seamless process that does not disrupt your operations. Its comprehensive approach lets you focus on making the informed, data-driven decisions that will keep you ahead of the competition. SAP BTP is bringing the mobility world's concept of user friendliness to ERP back-end technology. If adding, modifying, and deleting critical business applications could be as effortless as it is on your phone, it would be much easier to take full advantage of the latest tech and constantly innovate.

Services & Functionalities

As a platform for creating and integrating applications, data, and services, it enables developers to build innovative applications quickly and efficiently, including services for **Application Development, Automation, Integration, Data & Analytics, and Intelligent Technologies.**

SAP BTP helps organizations connect their data, systems, and processes in real-time, enabling them to make better business decisions and improve operational efficiency.

Flexibility & Scalability

SAP BTP allows customers to choose from multiple available hyper-scaler platforms. Your organization can choose the deployment model that best meets your business needs and quickly scale up or down as needed

Comprehensive Security

It also provides a range of steadfast security features that help organizations protect their critical business data and applications. This includes access control, data encryption, and identity management, all easily configurable and built in to ensure a quick, easy, and secure implementation.

In a nutshell, SAP BTP

- Modernizes outdated IT infrastructure
- Accelerates and improves the efficiency of critical business processes
- Enables advanced data security
- Drives innovation throughout the organization

In the following chapters, we'll look closely at SAP Data Management and explore how it provides a centralized and comprehensive approach to managing data and ensuring data quality and consistency across systems and applications.

SAP Data Management

Data is king in our modern business world. It drives decision-making, enables innovation, and powers digital transformation. However, managing large volumes of master data across multiple systems and applications can be challenging for most growing companies, and finding the right solution for data management becomes a critical business decision.

SAP has a long history of innovation in database technology, from the first version of SAP R/1 in the 1970s to the current SAP HANA platform. SAP's deep knowledge and database expertise have allowed them to create powerful and revolutionary tools for data management, which now include SAP Data Management on SAP BTP.

What is SAP Data Management?

SAP Data Management is a collection of services within SAP Business Technology Platform that provides a centralized, comprehensive approach to intelligent data management. It provides a unified view of your data, continuous insights into the integrity of your enterprise, automation of data archiving and retention, and all the tools you need to drive analytics and make strategic decisions.

SAP Data Management Framework

Migrate

Unlock data as a transformational element and accelerate your migration with RISE with SAP S/4HANA Cloud. Reduce costs, accelerate time to value, and minimize risk while creating a data foundation to keep you running at your best.

- Data preparation
- Data migration
- Data governance

Orchestrate

Modernize with a foundation for your data fabric. Gain a unified, trusted view across domains, automate and improve business processes, and smoothly exchange master data across the entire business network value chain.

- Data integration
- Data processing
- Data catalog

Cultivate

Fuel your business with ready-to-use master data management. Strengthen your enterprise data assets to propel the business forward with trusted data-driven processes, insights, and innovation.

- Data quality management
- Central governance
- Data consolidation

Where is the business value of SAP Integration Suite?

Improved Data Quality

SAP provides a central repository for your data. This ensures that data is always consistent, accurate, and up-to-date. By improving data quality, businesses can reduce the risk of errors in business processes, improve customer satisfaction, and ultimately drive revenue growth.

Insight

A study by **Gartner** found that poor data quality costs organizations an average of **$12.9 million annually.**

Optimized Process Efficiency

By providing a single view of enterprise data across multiple systems and applications, SAP Data Management services help streamline business processes and reduce time and effort. It optimizes efficiency, reduces costs, and increases overall productivity.

Insight

Research by the **Aberdeen Group** showed that organizations with a formal data management solution could reduce their operational costs by up to **30%.**

Increased Agility

SAP Data Management services help organizations quickly adapt to changing business requirements, providing a flexible and scalable platform for data management. With increased agility, businesses can respond quickly to new opportunities and challenges.

Insight

A study by **Forrester** showed that organizations with a formal data management program had a 366% ROI and **$13M** net present value (NPV) of benefits over three years.

Reduced Risk

With built-in security features like access control and data encryption, SAP S/4HANA Cloud ensures critical business data is protected from unauthorized access. This can reduce the risk of data breaches and protect businesses from financial consequences, including penalties and legal action.

Insight

According to a study by **IBM**, the average data breach cost was **$3.86 million** in 2020.

Better Decision-Making

With consistent, accurate, and up-to-date data, SAP Data Management helps your organization make informed business decisions that improve operational efficiency and increase revenue.

Insight

For example, a study by **McKinsey & Company** found that companies with advanced data analytics capabilities were able to increase their revenue by up to **10%.**

SAP Data Management: Achieving Data-Driven Business Management

In the digital economy, intelligently managing increasing data volumes is crucial. SAP® solutions empower organizations to navigate this data-driven business environment effectively, driving efficient operations and enabling a smooth transition to SAP S/4HANA®.

Harnessing the Power of Intelligent Data Management

A lack of efficient strategies and technologies can prevent organizations from tapping into their data's transformational potential. SAP's mission-critical data management solutions can provide relief, optimize analytics, improve operational efficiency, and drive better business outcomes. These solutions present an opportunity to reimagine your data landscape and data-centered processes, promoting control over data and simplifying data migration.

Optimizing Data Management: Preparing for the Future

The journey to SAP S/4HANA is about more than data migration to the cloud - it's a chance to reshape your data for the future. SAP solutions offer tools for data governance, data quality, and data integration that are essential for this transition. For example, SAP Information Lifecycle Management minimizes the complexity of IT landscapes by optimizing data creation, usage, storage, and destruction. Simultaneously, SAP Extended Enterprise Content Management by OpenText streamlines business processes, digitalizing documents and integrating content with transactions and workflows.

Mastering the Art of Master Data Management (MDM)

Master Data Management, which creates one trusted master reference for crucial business data, is key in the digital economy. The SAP Master Data Governance application helps consolidate and centrally govern master data, simplifying MOM, increasing data accuracy, and lowering the total cost of ownership. Other offerings, like SAP Data Quality Management, enhance master data quality with accurate location information, leading to enhanced customer satisfaction and lower costs.

Unlocking Business Growth with Data-Driven Processes

SAP data management solutions offer the potential to transform your data landscape and data-centered processes. Comprehensive offerings like SAP Data Intelligence Cloud transform distributed data into valuable insights, enabling innovation at scale. By supporting hybrid data management, these solutions ensure businesses can transition to the cloud at their own pace while safeguarding their past technology investments.

Empowering Organizations through Data Access and Insights

Data management solutions from SAP turn enterprise data into business value, providing controlled access to information and enabling decision-making based on a single version of the truth. Modernizing data stores, accelerating data use with automated pipelines, and improving user experience with unified data catalogs are some of the key benefits. Ultimately, these solutions translate data into insights, driving business value.

How does your business benefit?

Centralized Repository

As a crucial part of SAP Data Management, SAP Master Data Governance provides a single, centralized repository for master data, which enables organizations to manage their data more effectively and efficiently. This repository can be used to store a wide range of master data types, such as customer data, product data, and financial data.

Data Governance

SAP includes tools for managing master data, including workflows, data quality rules, and data validation rules. These tools help organizations ensure that their data is accurate, complete, and consistent as it meets regulatory requirements.

Data Quality Management

SAP also has a set of tools for monitoring and improving data quality, including data profiling, data cleansing, and data enrichment. These tools help organizations ensure that their data is accurate, complete, and up-to-date.

Integration

SAP's Data Management services can be integrated with other systems and applications within an organization, such as ERP systems, CRM systems, and data warehouses. This integration enables organizations to manage data more effectively across different systems and applications.

Security

SAP's data security features include access control, data encryption, and audit trails. These features help organizations protect their critical business data from unauthorized access and ensure compliance with regulatory requirements.

Analytics

With its analytics tools for monitoring and measuring data quality, usage, and performance, SAP helps organizations quickly identify data trends and patterns they can leverage to make better business decisions.

Case Study: SAP Data Management in the Real World

The Challenge

Reliable, high-quality water is critical to life, supporting everything from energy generation to food production, healthcare, and a healthy home. Evoqua Water Technologies is a leading provider of water and wastewater treatment solutions that do just that for industrial, municipal, and recreational customers.

Following a carve-out from a major holding company, Evoqua looked to integrate and consolidate operations, which required standardizing core business areas on a common ERP platform. It also wanted to standardize the way data was being collected and managed, starting with customer and vendor master data.

Evoqua needed a solution to improve the quality and consistency of information across its enterprise that would also allow it to centrally govern that information across the master data lifecycle.
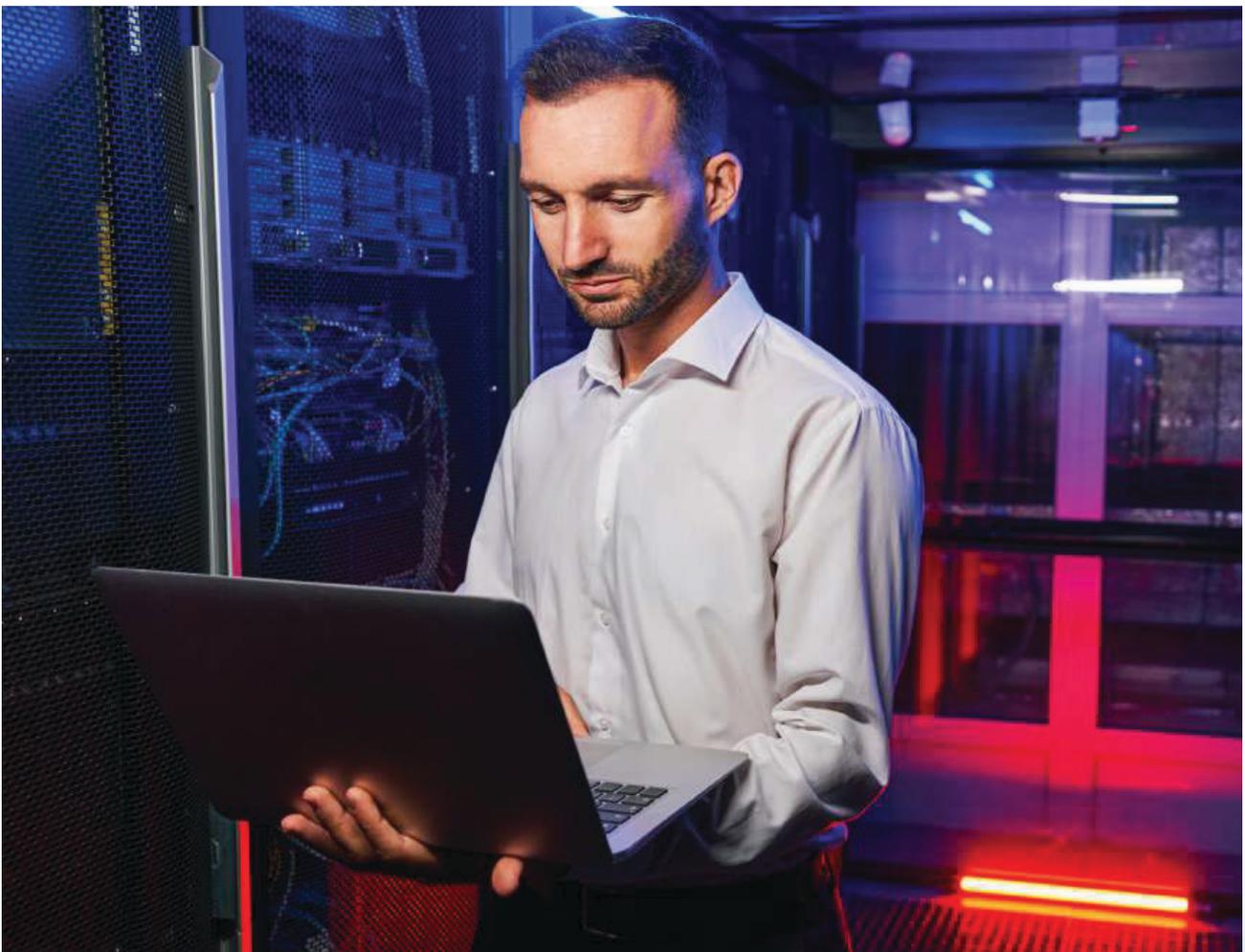
The Solution

As Evoqua Water Technologies looked to unify its SAP ERP application landscape by moving to SAP S/4HANA, it decided to start with master data. It chose the SAP Master Data Governance application because it allows the management of customer, vendor, materials, and product master data in a single solution - breaking down data and business silos. Another key factor was the ability to integrate with its existing SAP software landscape, thus easing the migration to SAP S/4HANA.

Evoqua also got data governance guidance from SAP and migration support using the SAP Data Migration application by Syniti.

Beginning with customer and vendor master data, Evoqua's IT team worked closely with SAP and business users to establish a master data governance workflow model by first understanding the various roles and processes, then defining fields, requesters, access, approvers, and so on.
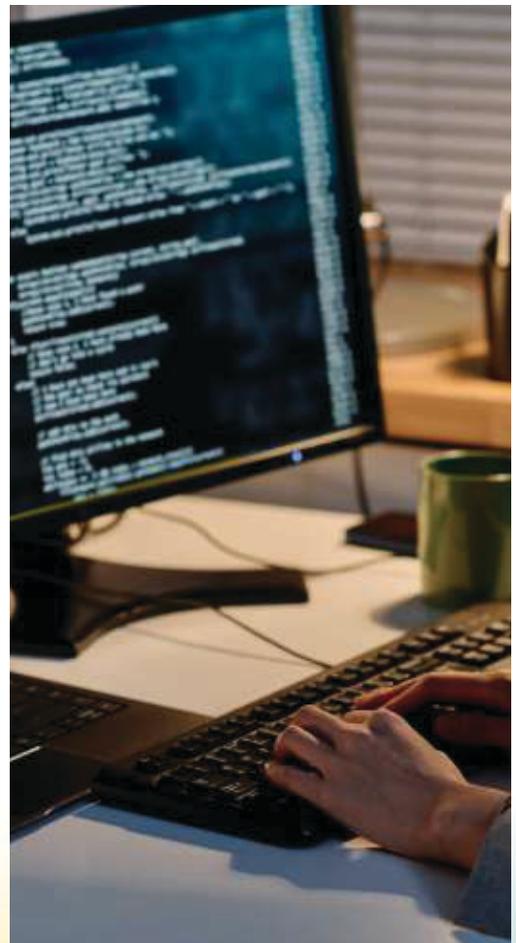
The Results

As a company that has experienced significant growth in the past few years, Evoqua has found the SAP Master Data Governance application to be a key tool in supporting its future.

Customer data is more accurate and consistent - providing greater insight into vertical markets. Simpler vendor payment terms enable greater visibility into requests, trends, suppliers, and payments - helping guide a more advantageous buying strategy. And better tax-ID data collection helps streamline invoicing.

Having one common application means data needs to be entered and updated only once. This also provides complete data visibility. Plus, Evoqua can track and govern who creates and approves new data and how it is entered, enabling a consistent master data structure and reporting across current and future business systems.

Finally, for the company at large, employees are gaining a greater understanding of the importance and impact of master data management and control.

How LTIMindtree can help you get started

About LTIMindtree

LTIMindtree is a new kind of technology consulting firm. We help businesses transform – from core to experience – to thrive in the marketplace of the future.With a unique blend of engineering DNA with experience DNA, LTIMindtree helps businesses get to the future faster.

Our long-term relationship with SAP, which spans over 20 years, uniquely positions us as a Partner, Co-Innovator, and Customer.

As the pioneer of the first SAP implementation in India, our deep expertise enables us to help our clients build robust digital ecosystems geared to tackle their industry's most complex challenges.

Our Team

Surya Khoday,
AVP and Industry Head, Life Sciences

Surya has 30 years of Business Transformation experience solving problems using Business Technology capabilities and data analytics, realizing value from performance Improvements.

Email:
surya.khoday@ltimindtree.com

Karen Palmquist,
Senior Director, SAP Sales

Karen is a senior sales leader with over 20 years of experience selling SAP solutions and services. As a strategic business partner, she works with companies to achieve goals, increase performance, and exceed expectations.

Email:
karen.palmquist@ltimindtree.com

Pushkar Deshpande,
Head, SAP Analytics

Pushkar has spent over 25 years in SAP and has provided solutions and driven delivery in SAP Analytics for more than 20 years. He is a key player in helping customers derive value from their data investments.

Email:
pushkar.deshpande@ltimindtree.com

LTIMindtree

About LTIMindtree

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by 82,000+ talented and entrepreneurial professionals across more than 30 countries, LTIMindtree — a Larsen & Toubro Group company — combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit https://www.ltimindtree.com/.