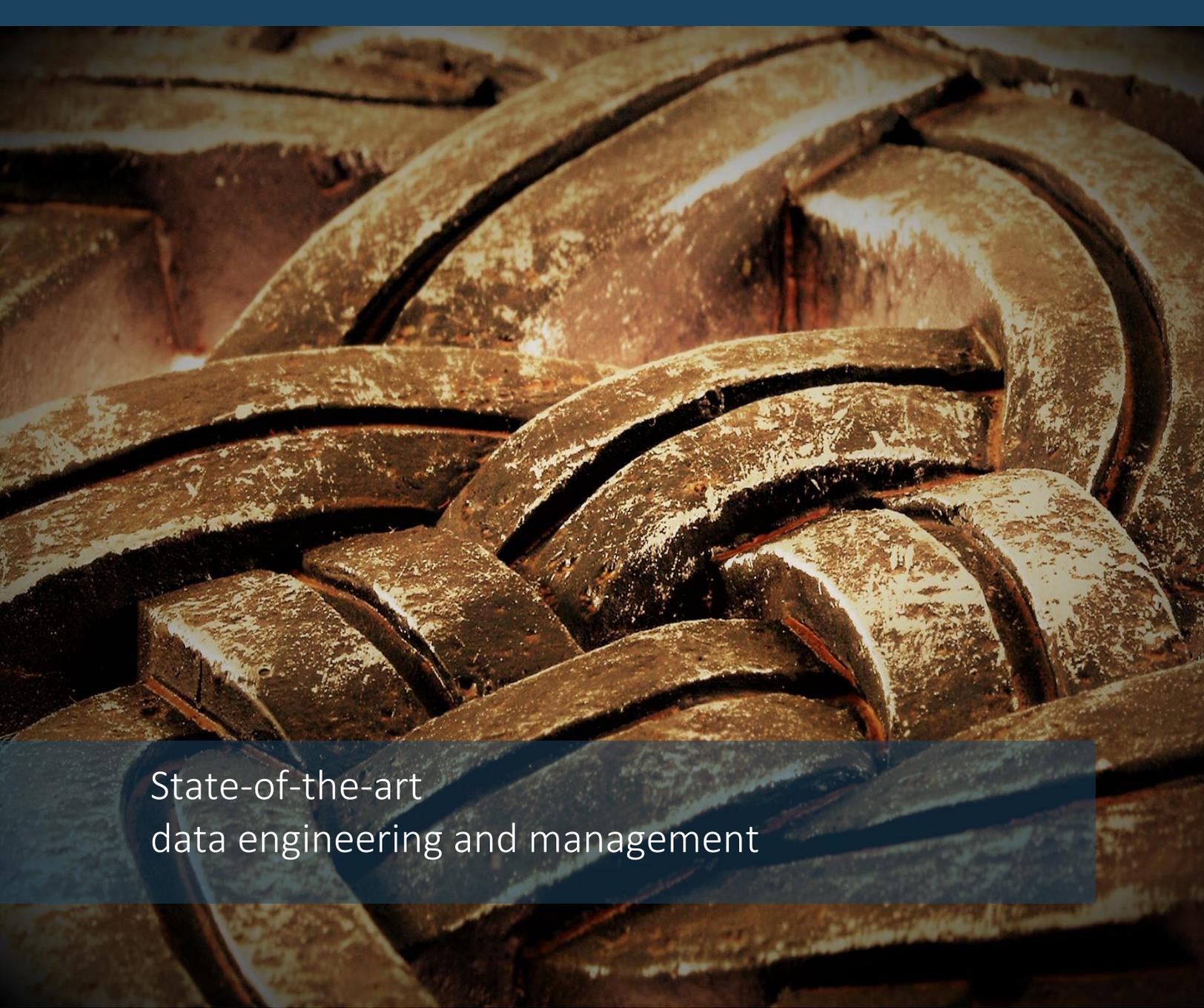


# ZEVIT



State-of-the-art  
data engineering and management

2017 ZEVIT Data platform White paper

# State-of-the-art data engineering and management

## Comprehensive and flexible data infrastructure

Field service digitalization solutions available in the market are too many. Those are mainly SAAS, coming from heterogeneous providers, using different programming languages and tools. The need of having one data infrastructure is coming as a key that enables a full harvest of your data potential and its translation to the corresponding stakeholders in the whole business chain. Engineering and managing a state-of-the-art single and comprehensive data platform that is flexible enough to provide an all-in-one solution to connect sensor-based data with operations and people, has become a crucial factor that ensures the service organization's competitiveness.

*The goal is Platform as a Service (PaaS): a modern, scale-out architecture leveraging big data, open-source technologies, and data science.*

## PaaS - the leading choice

For a forward-looking company willing to invest in the development of a new generation of enterprise applications, the first requirement is a comprehensive and integrated infrastructure stack.

A growing number of service executives are recognizing the advantages of a more agile technology procurement strategy in order to take advantage of the pace of technology change. They are selecting to move away from multiple heterogeneous SaaS to a comprehensive single platform solutions, that help manage the unique needs of their business. The goal is Platform as a service (PaaS): a modern, scale-out architecture leveraging big data, open-source technologies, and data science.

*PaaS is all about being serverless, cheaper and faster.*

PaaS is all about being serverless, cheaper and faster. The next-generation applications and business processes are utilizing PaaS for the design, development, deployment, and operationalization of the solutions. These integrated

applications apply advanced machine learning to recommend actions based on real-time analysis of large scale of data sets, dozens of enterprise and extraprise data sources, and telemetry data from tens of millions of endpoints.

As the next-generation computing platforms emerge, time to market becomes critical. The time-to-market advantage of a proven, scalable architecture can be leveraged to gain early network effects and competitive differentiation in the next big wave of computing and industrial automation.

ZEVIT, therefore, provides a suite of pre-built, cross-industry and highly customizable and extensible applications, developed on Microsoft Azure platform, that facilitate a fast IoT business transformation for organizations in energy, aerospace, automotive, chemical, pharmaceutical, telecommunications and other OPEX-heavy field service businesses.

The pre-built applications are available for predictive maintenance, sensor health, enterprise energy management, capital asset planning, fraud detection, CRM, and supply network optimization. Our customers can also use the platform to build and deploy new custom applications.

The impact of the above-mentioned is broad. On the one hand, there are targeted applications that address the fragmented specific needs — for example, applying machine learning to sensor data for predictive maintenance that reduces expensive, unscheduled downtime. On the other hand, there are a new generation of core ERP, CRM and other major applications.

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## How do IoT applications differ from traditional enterprise applications?

- use of real-time telemetry data from smart, connected products and devices
- operate against all available data across a company's value chain and
- apply machine learning to continuously deliver highly accurate and actionable predictions and optimizations.

## Our services

- ✓ Clearly defining what your organization's effective data management should entail.
- ✓ Identifying why you should prioritize investment in a particular data management solutions and what they should support.
- ✓ Prioritizing on how the data management will improve customer experience, operational efficiency and reduce costs.
- ✓ Executing our engineered data-management solution together with the customer.

## Your benefits

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1. Transition to a single data management platform to gain a consistent, validated view across the business and immediately share changes across the organization.
2. Integrated reporting and analytics as well as operational use cases, without duplicating efforts.
3. Centralized data model to ensure data is accurate, trusted and usable for its intended purpose.
4. Easy and efficient data storage and access, so you can spend more time using the data – not trying to find it.
5. Establishment of data governance as an ongoing set of rules and decisions for managing data to alignment of the organization's data strategy and business strategy.
6. Easy data integration to allow the stakeholders combine different types of data from different sources.
7. Self-service capacity to give business users access to manipulate the data they need with minimal training and without burdening IT to provision and transform the data.