



# Measurably increase production efficiency

With `service.factoryINSIGHTS` for  
data-driven production optimization



# Your advantages of data science at a glance



## **Golden Batch**

**Generate and reliably reproduce good production results**

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## **Scrap reduction**

**Identify critical production parameters to adjust your system configuration**

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## **Minimize disruption**

**Identify wear and tear through predictive maintenance to reduce downtime**

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## **Increase energy efficiency**

**Adapt your production processes based on the consumption data analysis**

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## **Increase production efficiency**

**Identify and optimize critical process parameters**



# Data Science

## Maximize the potential of your data

The potential applications of data science in manufacturing companies are as diverse as the resulting benefits, such as more efficient processes, quality improvements, or compliance with new regulations, e.g., NIS 2. Data science is the key competence for meeting the challenges of today and tomorrow, and to sustainably reduce CO<sub>2</sub> emissions.

### Why Data Science?

New solutions are needed in many areas of the manufacturing industry today, from dealing with the energy transition to the shortage of skilled workers. Data science directly addresses many of these challenges and makes it possible to gain valuable and meaningful insights from complex data sets.

#### ► Recognize data patterns

The analysis of historical production data can identify patterns, anomalies, and root causes.

#### ► Exploit optimization potential

Advanced algorithms are used to determine optimum production parameters that increase efficiency and productivity.

#### ► Make predictions

Detect machine downtimes and quality issues before they occur with predictive analytics,

# 6%

**of German companies fully utilize the potential of their available data**

Source: Bitkom 06/2024.  
German companies barely use their data

► **Let's take the next step together towards more efficient and profitable production. I will be happy to advise you.**



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# service.factoryINSIGHTS

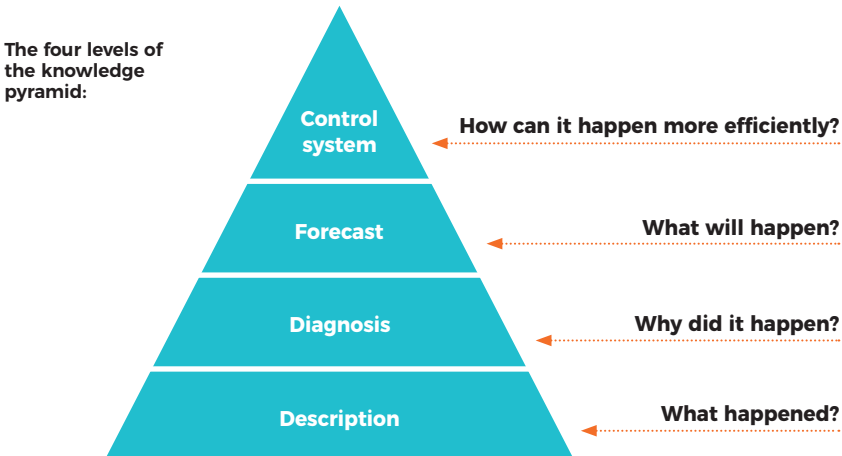
## Data science for your production

With service.factoryINSIGHTS, we offer customized data science services that enable data-driven optimizations for the entire facility. This includes increasing Overall Equipment Effectiveness (OEE) and improving energy efficiency. Our data scientists visit you directly and provide a deep understanding of your shop floor data to achieve sustainable improvements in all production areas.

### How can service.factoryINSIGHTS help you?

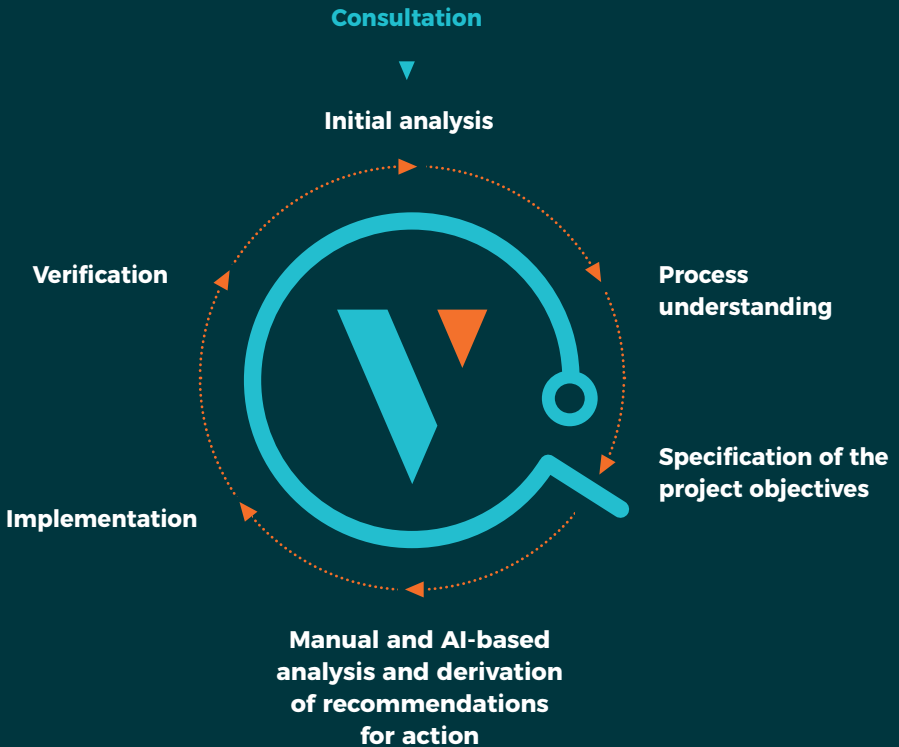
We are here for you if you want to get more out of your data - whether on a clipboard, in Excel, or a data lake. service.factoryINSIGHTS serves all four levels of the knowledge pyramid and enables your company to grow continuously.

With concrete recommendations for optimizing your production parameters that can be implemented quickly, we achieve fast and measurable results, and provide you with the knowledge to implement your solution independently.



# Project process

## service.factoryINSIGHTS



Maximize the potential of your data and gain a sustainable competitive advantage with [service.factoryINSIGHTS](#)

### **Securely shaping your future**

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