

# Data Analytics Workshop

## Industrial Analytics from Weidmüller

Let's connect.

Industrial Analytics



# Generate added value from machine and process data

## Take on the challenges of the digital transformation

The digital transformation is gathering pace, with new business models set to transform the world as we know it. New companies will enter the market with highly interconnected, intelligent machines. The current market leaders will need to address this situation and update their products. The installed base represents a key advantage in this respect provided corresponding opportunities for migration are offered.

Weidmüller is offering a workshop that explores the possibilities of Data Analytics with the customer's experts, and defines concrete use cases.

An analysis of recorded data is then offered as an option, providing information on readability, the necessary data structure and anticipated results.

If a proof of concept (PoC) is commissioned, the costs of the workshop are counted towards it.



# Service specifications

## Workshop content and prices

### Part 1:

on-site, duration: 8 hours

#### **Presentation on Data Analytics, Machine Learning, Artificial Intelligence in plant and machine construction (Weidmüller)**

- How it works, possible applications and limitations, requirements, potential, examples, questions and answers

#### **Informing the customer about products, requirements and problems (customer)**

- Number of machines, control units, frequent problems, disruptions

#### **Infrastructure and architecture (customer and Weidmüller)**

- The customer's existing IT infrastructure and look ahead at future planning, availability and storage of data, local/central architectural variations, communication options, migration strategies, optimisation of variations

#### **Customer's service strategy (customer)**

- Current maintenance and repair concepts, future service strategy

#### **Identifying potential (customer and Weidmüller)**

- Discussion of use cases, the impacts of the use cases on business models, increases in revenue and optimisation thanks to new opportunities based on Data Analytics

### Part 2:

after about 2 weeks, on-site, duration: 4 hours

#### **Use cases (customer and Weidmüller)**

- Identification and prioritisation of 1–3 use cases with an estimation of the potential commercial benefit, infrastructure requirements for recording and storing data, requirements with respect to the quality of the analytics results

#### **Scenarios (customer and Weidmüller)**

- Discussion of scenarios for the implementation of Analytics and introduction of new business ideas, cost/benefit estimate, time line

#### **Participants:**

- Customer: managers/experts in the fields of development, service and marketing
- Weidmüller: analytics experts

**Price for both components: on request**

### Option:

data analysis of machine data recorded by the customer

#### **Analysis of recorded machine data by a data scientist**

- Assessment with respect to processability and data quality
- Initial graphic representation of data
- Requirements for a proof of concept (PoC)
- Anticipated results of a PoC
- Presentation of the results by video conference, approx. 4 hours

#### **Video conference participants:**

- As above, plus a Data Scientist from Weidmüller

**Price for data analysis: on request**

## **Weidmüller – Your partner in Industrial Connectivity**

As experienced experts we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signal and data. We are at home in their industries and markets and know the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together we set standards in Industrial Connectivity.

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 16  
32758 Detmold, Germany  
T +49 5231 14-0  
F +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

Personal support can  
be found on our website:  
[www.weidmueller.com/contact](http://www.weidmueller.com/contact)

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