

the tean[®]

A small, yellow, boxy robot with large, expressive eyes and a single wheel on each side. It is holding a small, dried plant sprout in its right hand. The robot is standing on a light-colored, textured surface. The background is a blurred, warm-toned indoor setting.

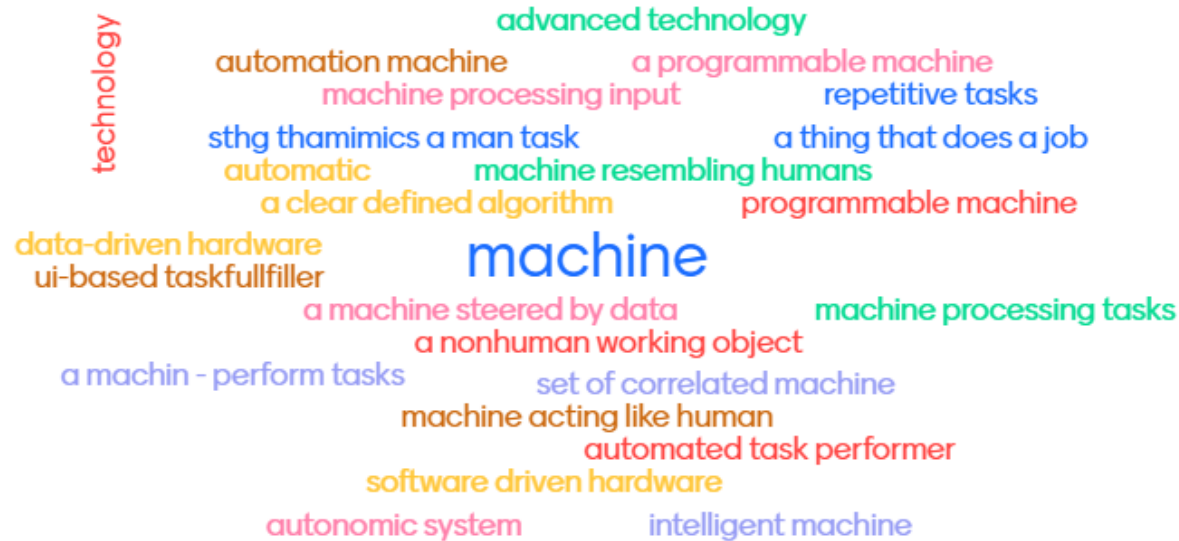
Process Automation

Use of Robots

Go to www.menti.com and use the code 4000 9789

What is a Robot?

Mentimeter





What is a Robot?

#Software program (with Artificial Intelligence methods) that supports or automates decisions

Rule-based Robots

#Process

- . recurring
- . rule-based
- . low complexity

#Data

- . structured

Cognitive Robots

#AI Methods

- . Natural Language Processing
- . Machine Learning
- . Deep Learning

#Process

- . complex

#Data

- . semi-structured

Robots as digital assistants

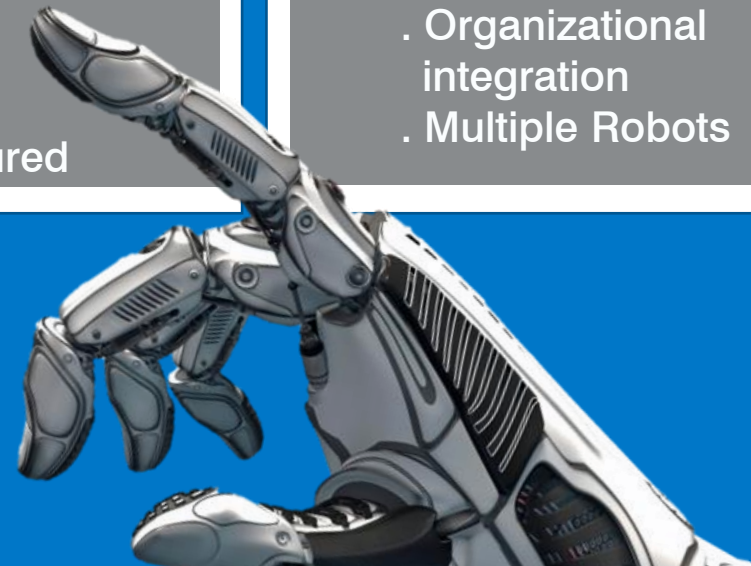
#Communication

- . Voice interaction
- . Chatbots

#Digital Workforce

- . Organizational integration
- . Multiple Robots

Robots differ!





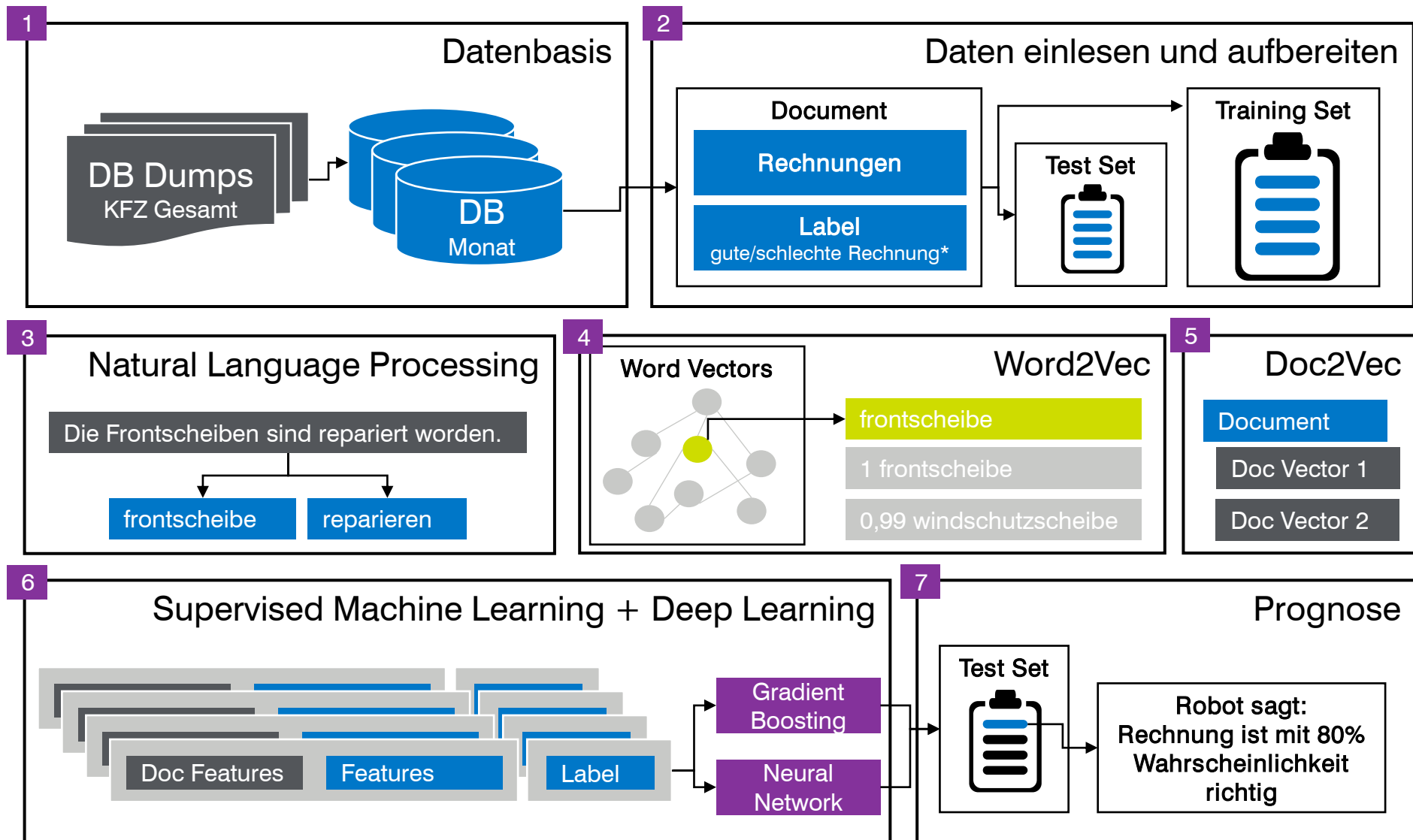
Robots enable...

- #New digital business models
- #Massive increase in efficiency
- #Standardization of individuality
- #New insights from data

Understanding Robots!

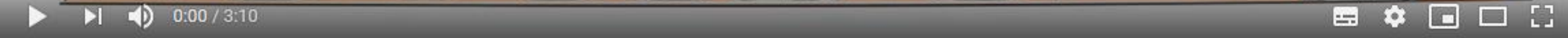
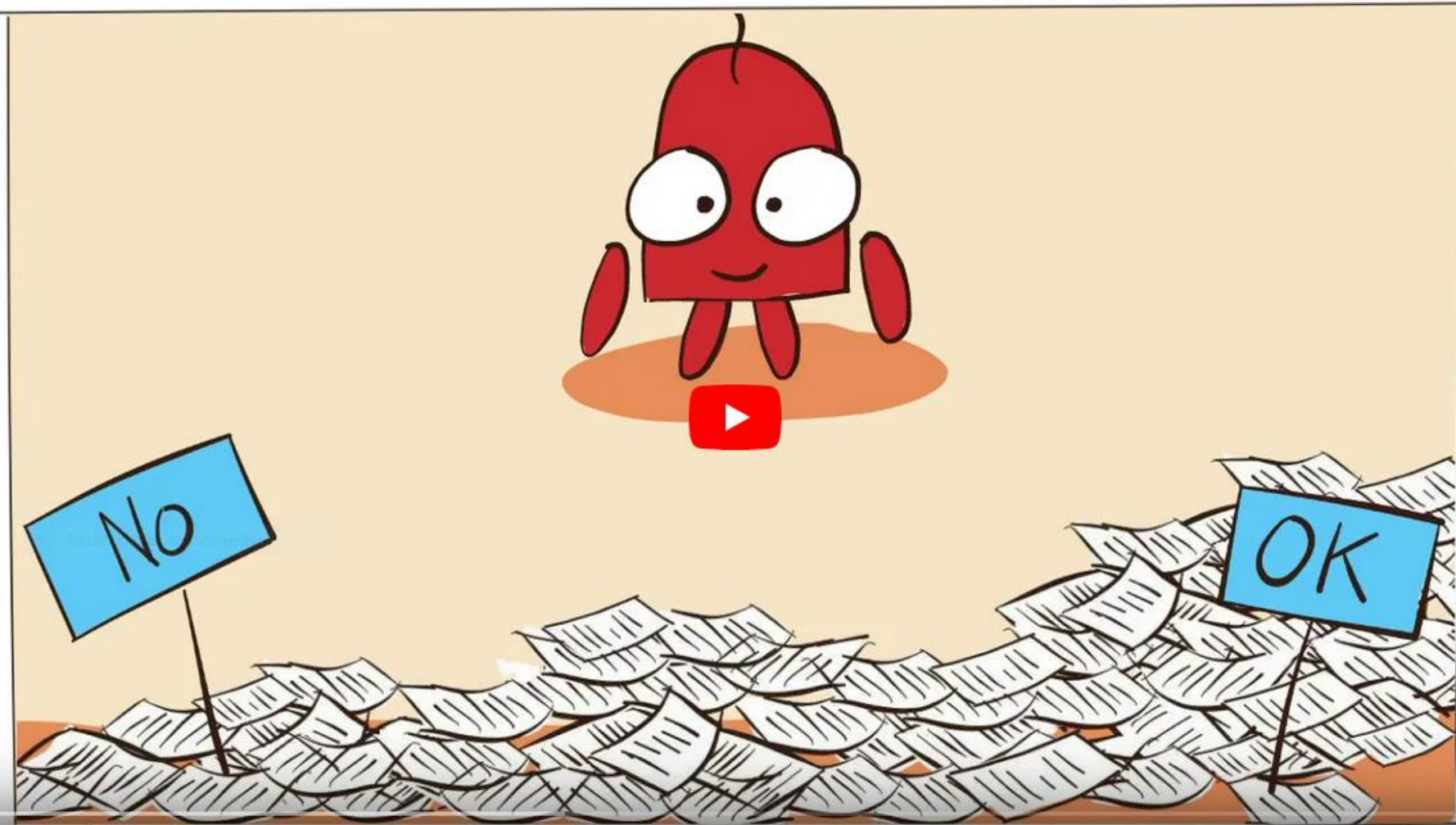
How does a Cognitive Robot work?





Use Case I

Robot for Invoice Audits (Insurance)






Use Case II

Robots in Order Disposition



● Ted the Dispatcher für Kunden im Bereich Dichtungstechnik

1 Auftrags-
eingang

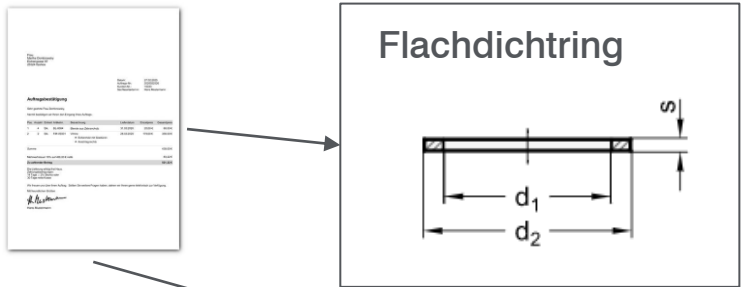


E-Mail

PDF

Mehrere Sprachen

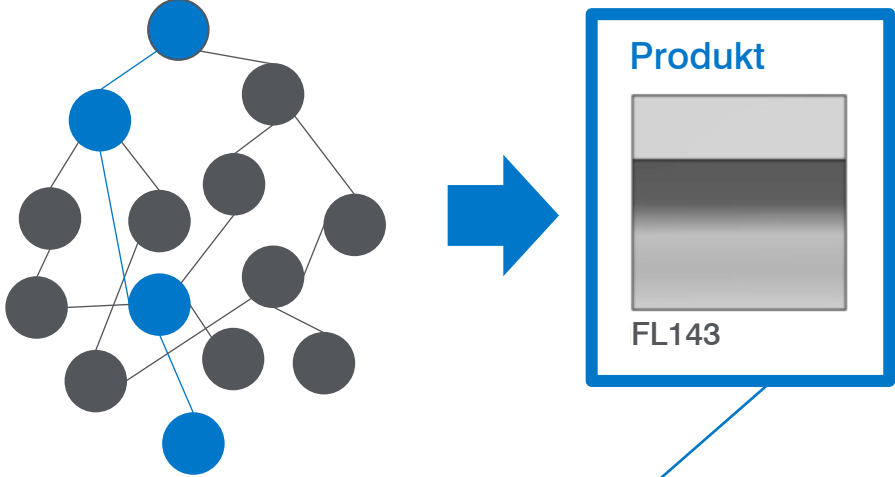
2 Extraktion auftragsrelevanter Daten
Auftrag = 25 technische Parameter



Flachdichtring

d1 Nennm aß	Istmaß +0,3	d2 Nennm aß	Istmaß -0,2	s ±0,2	DIN 908 metr. Gewin de	Rohrge winde
8	8,2	11,5	11,4	1	M 8 x 1	-
10	10,2	13,5	13,4	1	M 10 x 1	G 1/8

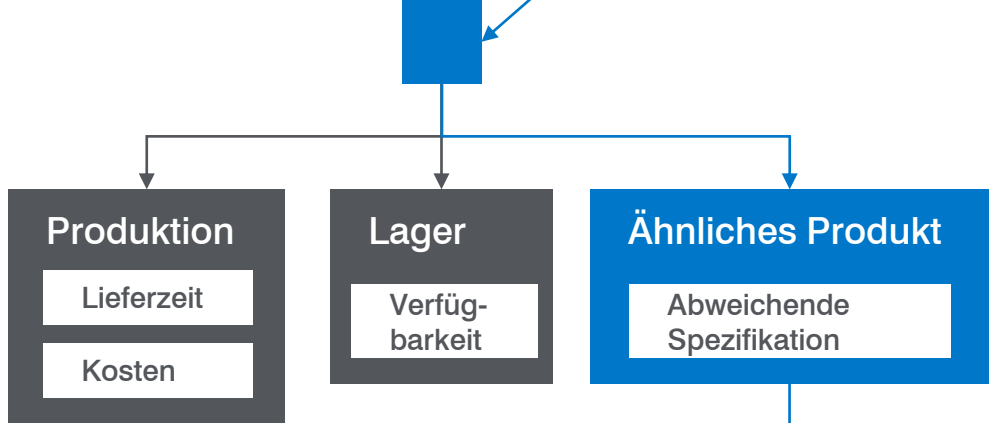
3 Produktidentifikation



Produkt

FL143

4 Entscheidung



Produktion

Lieferzeit

Kosten

Lager

Verfü-
barkeit

Ähnliches Produkt

Abweichende
Spezifikation

5 Automatisierung von Prozessen



Kundeninteraktion

Systemanbindung

Produktion

Lieferung

the tean GmbH & Co KG

Stefan Bauer MSc, Head of Data Science

Graben 30 / Top 8
Austria, 1010 Vienna
+43 1 35 36 006

Tectrum, Bismarckstraße 120
Germany, 47057 Duisburg
+49 203 306 3736

office@the-tean.com
www.the-tean.com

