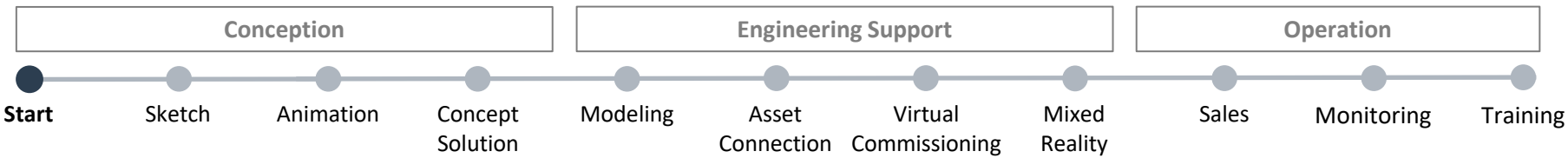
geminiware


Conception
Engineering Support
Operation
Start
Sketch
Animation
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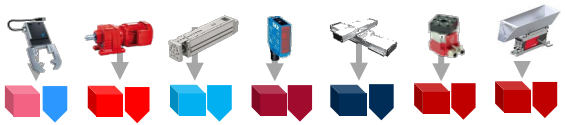
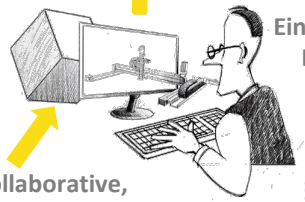
Modeling
Asset Connection
Virtual Commissioning
Mixed Reality
Sales
Monitoring
Training

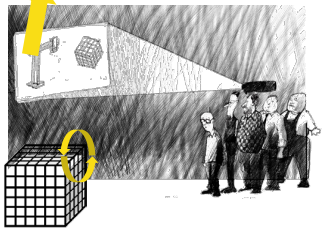


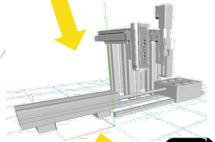
Digitale Produkt-Zwillinge & Sizing-Schnittstellen der Hersteller

Einfache & effiziente Lösungsfindung



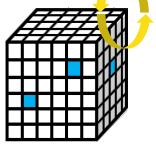
Kollaborative, digital gestützte Konzeptentwicklung





Angebot

Digitaler System-zwilling



Auftrag

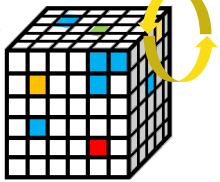
Engineerintools der Gewerke

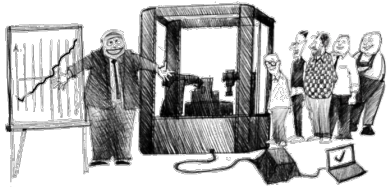
PCAD ECAD Software VIBN ...

MCAD

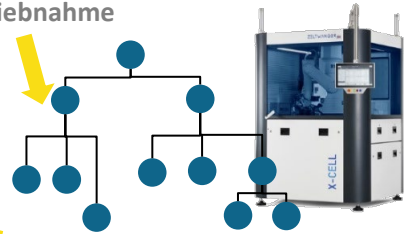
Digital durchgängiges Engineering

Digitaler System-zwilling wächst kontinuierlich an

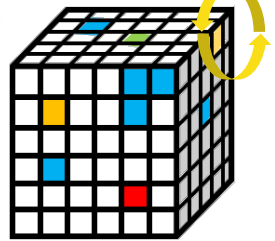




Inbetriebnahme

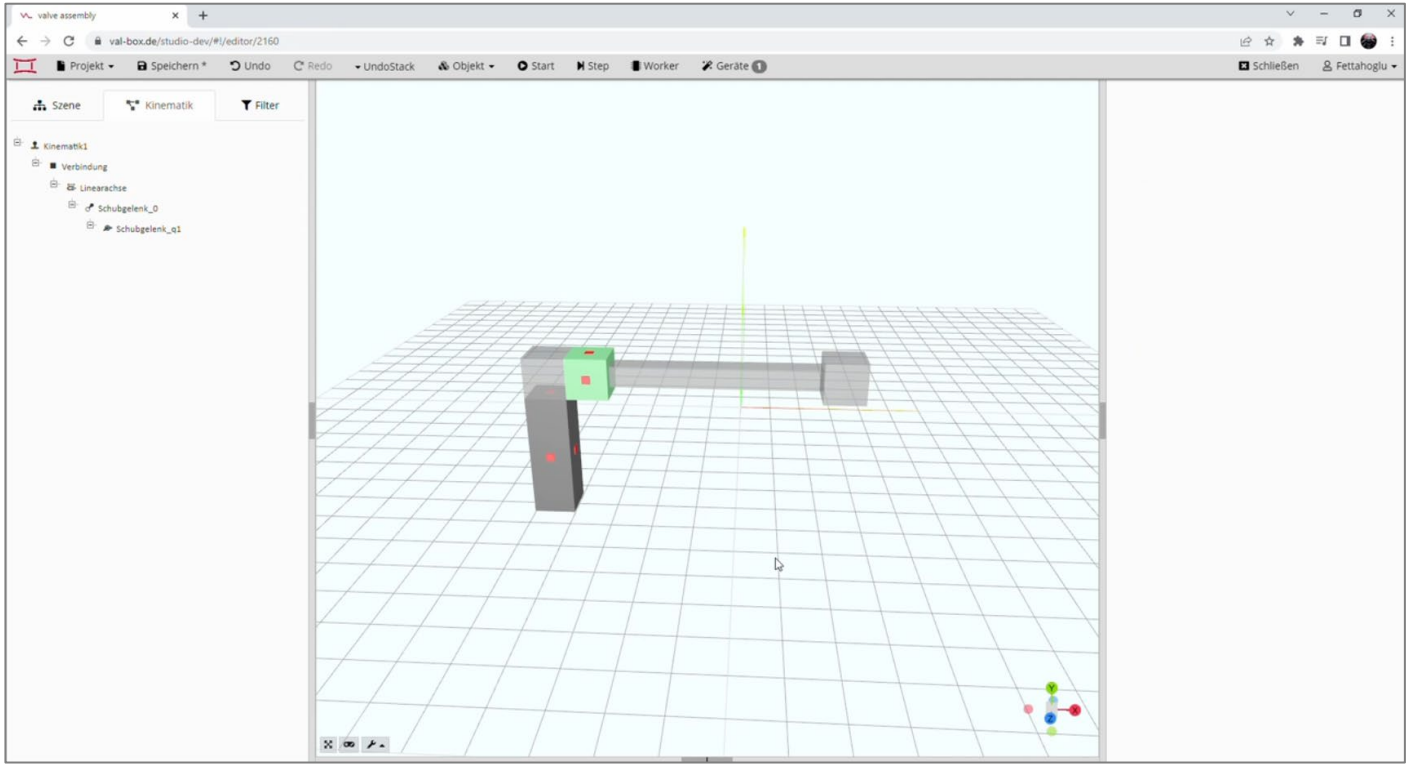


„Digital Twin-based“ Maschinenarchitektur



Betrieb, Steuerung, Datenbereitstellung, Dienstenutzung, Veränderung

Conception				Engineering Support				Operation			
Start	Sketch	Animation	Concept Solution	Modeling	Asset Connection	Virtual Commissioning	Mixed Reality	Sales	Monitoring	Training	

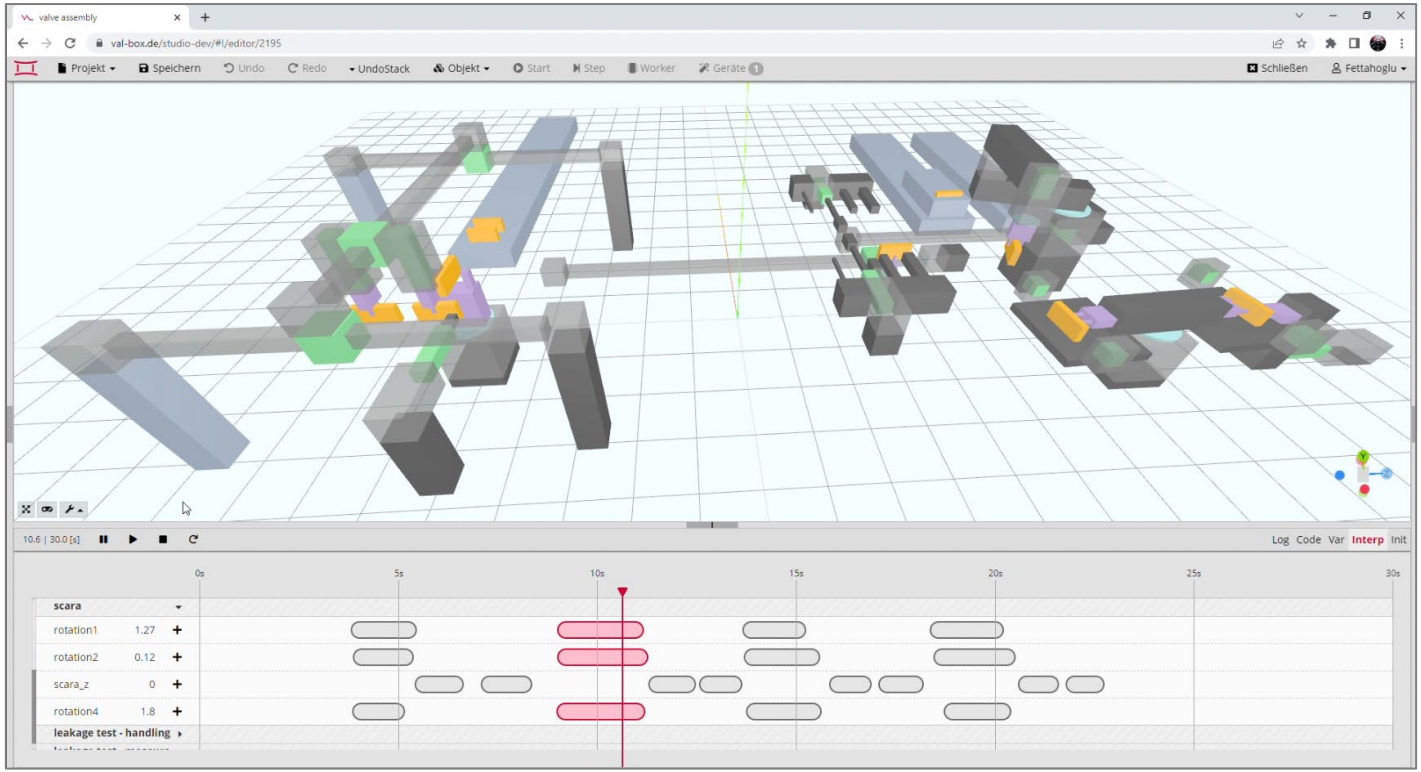


- Intuitive Erstellung der Prinziplösung
- Generische Grundelemente
- Im Webbrowser ohne Installation

geminiware.com/#!/sketch

Conception | **Engineering Support** | **Operation**

Start — **Sketch** — Animation — Concept Solution — Modeling — Asset Connection — Virtual Commissioning — Mixed Reality — Sales — Monitoring — Training

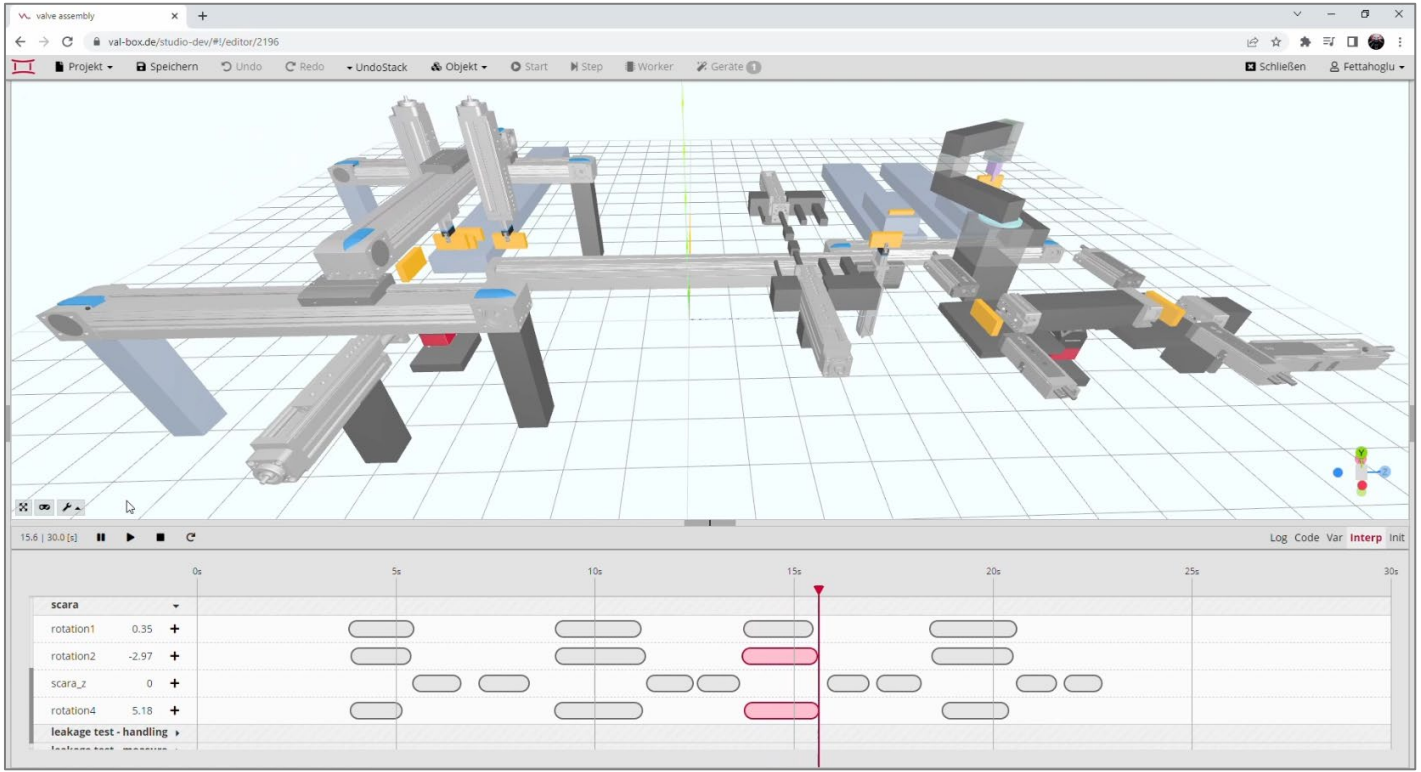


- Einfache Festlegung der Bewegungsabläufe mit Sequenzdiagramm
- Schnelle Erstellung unterschiedlicher Timing-Varianten

geminiware.com/#!/animation

Conception | **Engineering Support** | **Operation**

Start — Sketch — **Animation** — Concept Solution — Modeling — Asset Connection — Virtual Commissioning — Mixed Reality — Sales — Monitoring — Training

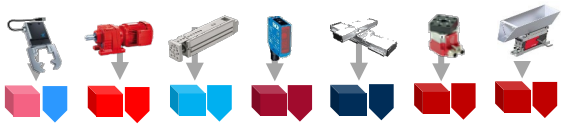


- Ersetzen der generischen Elemente durch konkrete Komponenten
- Interface zur Cadenas Komponentenkatalogen
- Interface zu Sizingtool von Festo und Afag

geminiware.com/#!/conceptsolution

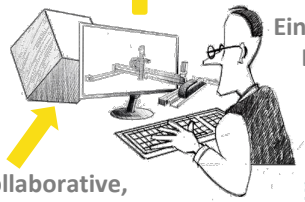
Conception | **Engineering Support** | **Operation**

Start — Sketch — Animation — **Concept Solution** — Modeling — Asset Connection — Virtual Commissioning — Mixed Reality — Sales — Monitoring — Training

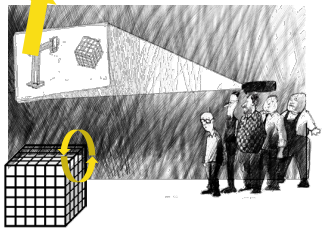


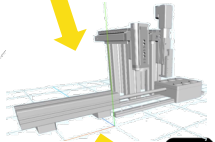
Digitale Produkt-Zwillinge & Sizing-Schnittstellen der Hersteller

Einfache & effiziente Lösungsfindung



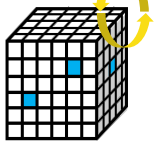
Kollaborative, digital gestützte Konzeptentwicklung





Angebot

Digitaler System-zwilling



Auftrag

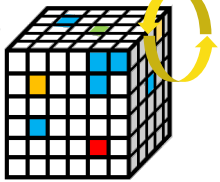
Engineerintools der Gewerke

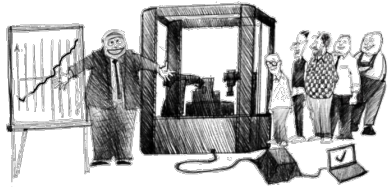
PCAD ECAD Software VIBN ...

MCAD

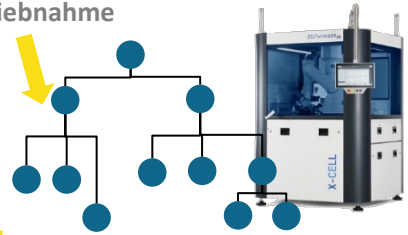
Digital durchgängiges Engineering

Digitaler System-zwilling wächst kontinuierlich an

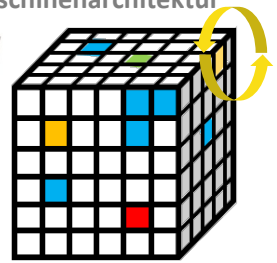




Inbetriebnahme

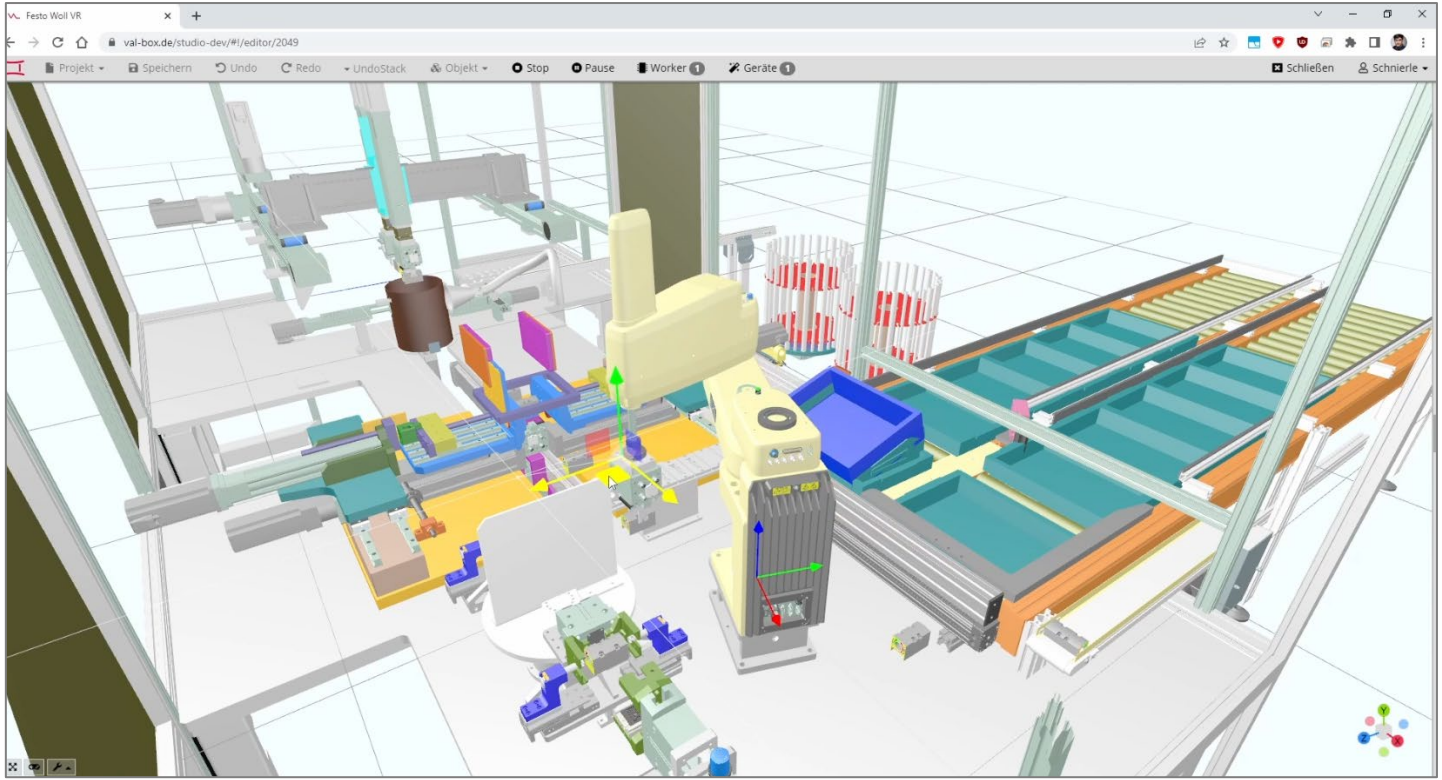


„Digital Twin-based“ Maschinenarchitektur



Betrieb, Steuerung, Datenbereitstellung, Dienstenutzung, Veränderung

Conception				Engineering Support				Operation		
Start	Sketch	Animation	Concept Solution	**Modeling**	Asset Connection	Virtual Commissioning	Mixed Reality	Sales	Monitoring	Training

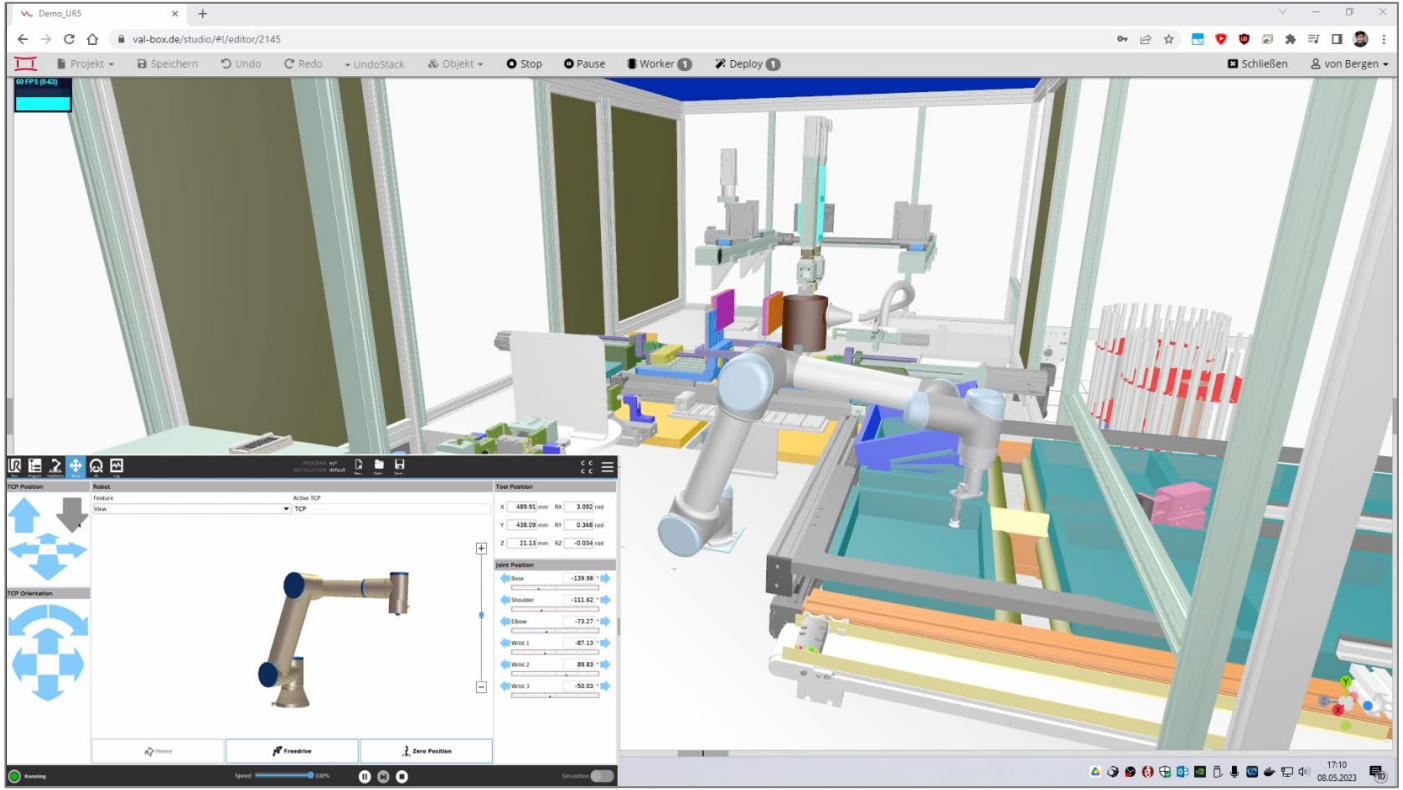


- Vom CAD zum Digitalen Zwilling
- 3D-basierte kinematische Modellierung
- Bewegungssimulation
- Mensch-Modell-Interaktion

geminiware.com/#!/modeling

Conception | **Engineering Support** | **Operation**

Start — Sketch — Animation — Concept Solution — **Modeling** — Asset Connection — Virtual Commissioning — Mixed Reality — Sales — Monitoring — Training



- Anbindung von Programmiersystemen
- Anbindung von industriellen Steuerungssystemen
- Asset-Anbindung über Kommunikationsstandards (z.B. OPC UA, MQTT) oder proprietäre TCP/UDP-basierte Schnittstellen

geminiware.com/#!/assetconnection

Conception | **Engineering Support** | **Operation**

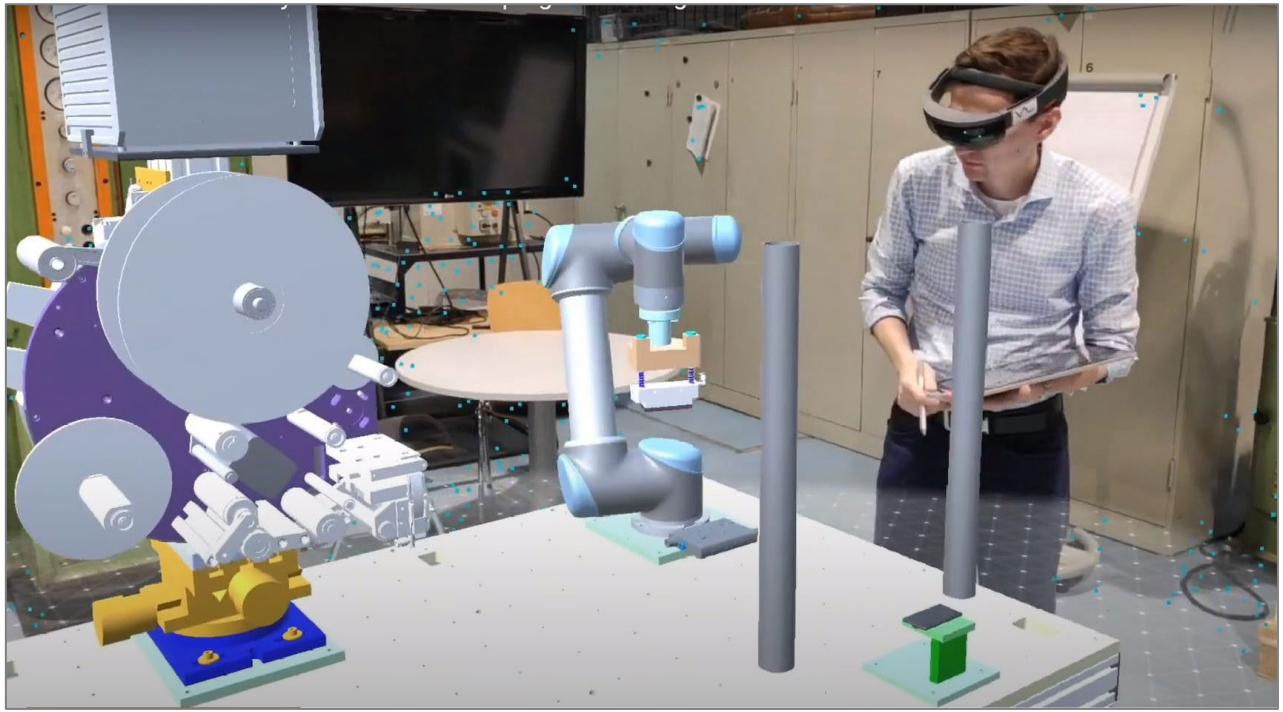
Start — Sketch — Animation — Concept Solution — Modeling — **Asset Connection** — Virtual Commissioning — Mixed Reality — Sales — Monitoring — Training

- Arbeitsplatzunabhängige Programmtests über den Webbrowser
- Virtuelle Inbetriebnahme in weicher Echtzeit u.a. mittels OPC UA
- Virtuelle Inbetriebnahme in harter Echtzeit mittels Anbindung von Hardware-in-the-Loop Simulatoren
- Endgeräte- und standortunabhängige Webbrowser-basierte Virtuelle Inbetriebnahme

geminiware.com/#!/virtualcommissioning

Conception | **Engineering Support** | **Operation**

Start — Sketch — Animation — Concept Solution — Modeling — Asset Connection — **Virtual Commissioning** — Mixed Reality — Sales — Monitoring — Training



- On Click Deployment von AR/VR Szenen aus dem Webbrowser
- Automatische Verknüpfung der AR/VR Endgeräte mit Steuerungsebene
- Interaktive Integration des Menschen mittels Mixed-Reality-in-the-Loop Simulation

geminiware.com/#!/mixedreality

Conception | **Engineering Support** | **Operation**

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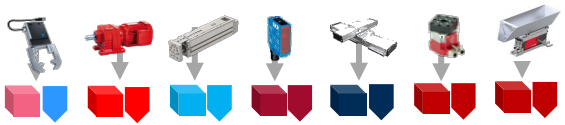

Digitale Produkt-Zwillinge & Sizing-Schnittstellen der Hersteller

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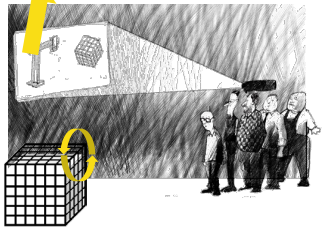
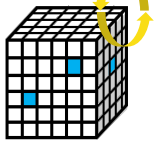


Angebot

Digitaler System-zwilling



Auftrag

Engineerintools der Gewerke

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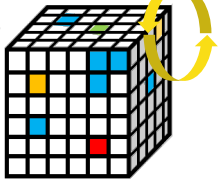
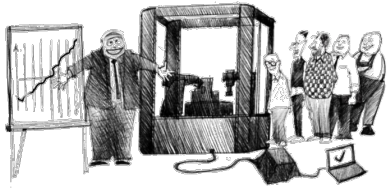
MCAD

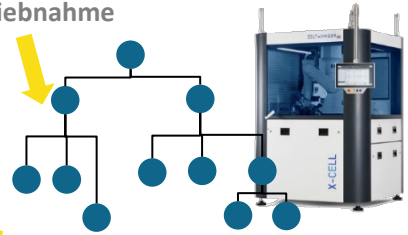
Digital durchgängiges Engineering

Digitaler System-zwilling wächst kontinuierlich an

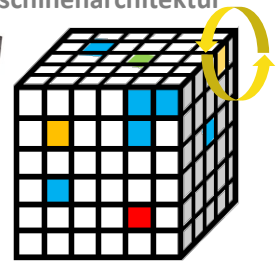




Inbetriebnahme



„Digital Twin-based“ Maschinenarchitektur



Betrieb, Steuerung, Datenbereitstellung, Dienstenutzung, Veränderung

Conception | Engineering Support | Operation

Start – Sketch – Animation – Concept Solution – Modeling – Asset Connection – Virtual Commissioning – Mixed Reality – **Sales** – Monitoring – Training

- Standort- und endgeräteübergreifende Modellverfügbarkeit
- Shared Experience für eine intuitive Projektbesprechung
- Räumliche Visualisierung mit Mixed Reality

geminiware.com/#!/sales

Conception | **Engineering Support** | **Operation**

Start – Sketch – Animation – Concept Solution – Modeling – Asset Connection – Virtual Commissioning – Mixed Reality – **Sales** – Monitoring – Training

- Live-Monitoring mit realen Steuerungsdaten
- Blick in die Maschine mittels Augmented Reality
- Remote-Monitoring

geminiware.com/#!/monitoring

Conception | **Engineering Support** | **Operation**

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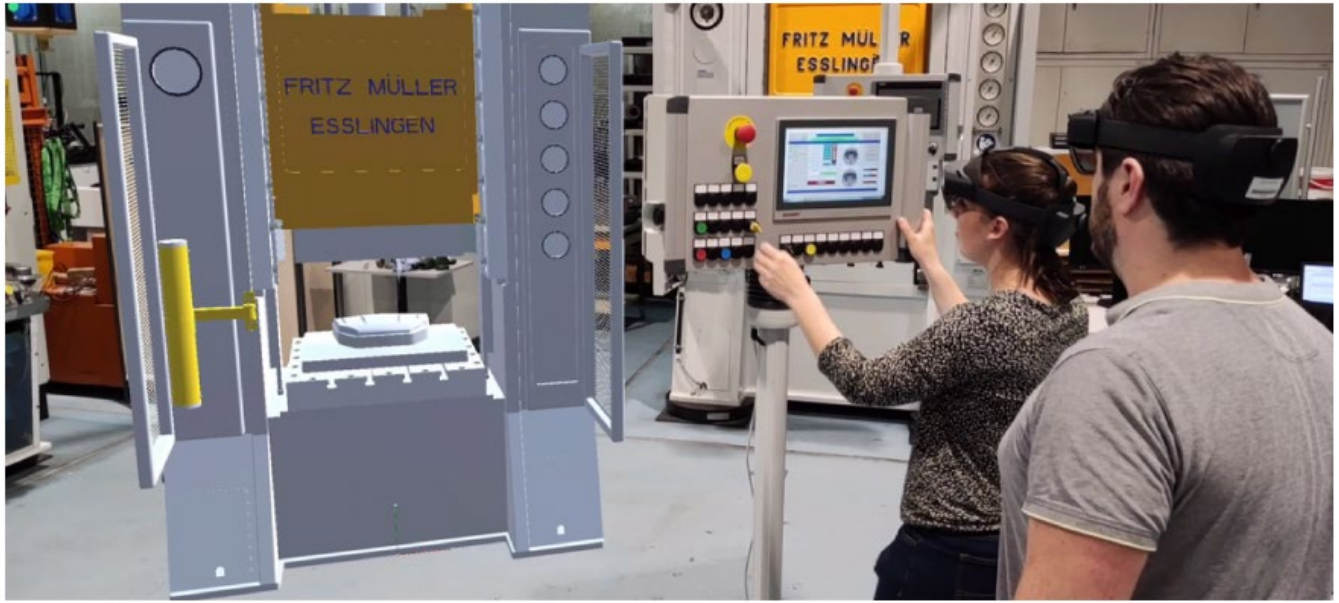

- Kombination von realen und virtuellen Komponenten
- Shared Experience
- Zeit- und Ortsunabhängigkeit

geminiware.com/#!/training

Conception | **Engineering Support** | **Operation**

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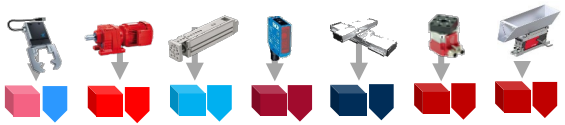

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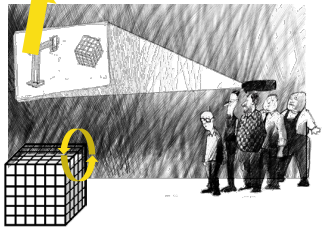
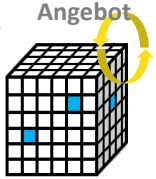


Angebot

Digitaler System-zwilling



Auftrag

Engineerintools der Gewerke

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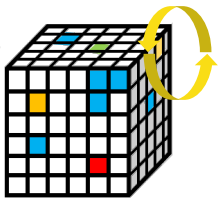
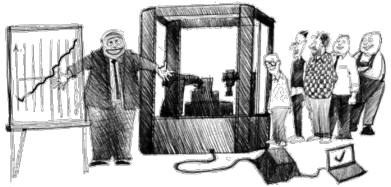
Digital durchgängiges Engineering

Digitaler System-zwilling wächst kontinuierlich an





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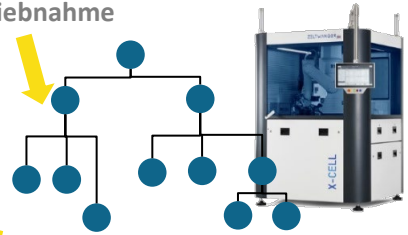

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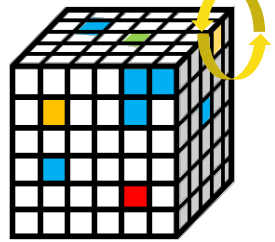

Betrieb, Steuerung, Datenbereitstellung, Dienstenutzung, Veränderung

Conception

Engineering Support

Operation

Start Sketch Animation Concept Solution Modeling Asset Connection Virtual Commissioning Mixed Reality Sales Monitoring Training

Vielen Dank für Ihre Aufmerksamkeit.

contact@geminiware.com