



Prepared by
BearingPoint
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Virtual Reality als Beschleuniger für die Prozesstransformation

Innovationsforum Supply Chain: Teil 1 von 3

Prepared for
Deutsche Messe
Technology Academy

23.3.2022

BearingPoint.

Referenten für das heutige Webinar



Dr. Stefan Penthin

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Business Process
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Extended Realities
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Webinar-Reihe Innovationsforum Supply Chain: Digitale Lösungen erlebbar machen

In Kooperation mit der Deutschen Messe Technology Academy stellen wir Ihnen in unserer **dreiteiligen Webinar-Reihe "Innovationsforum Supply Chain: digitale Lösungen erlebbar machen"** innovative Lösungen entlang der Wertschöpfungskette vor, die sich schnell und nachhaltig umsetzen lassen.

Teil	Titel	Termin
1	Virtual Reality als Beschleuniger für die Prozesstransformation	23.03.2022 / 9:00-10:00
2	Bestand optimieren mit künstlicher Intelligenz	06.04.2022 / 9:00-10:00
3	Digitale Instandhaltung - neue Potenziale verwirklichen	27.04.2022 / 9:00-10:00

- Die Webinare werden aufgezeichnet, Ihre Fragen während dem Vortrag werden daher ebenfalls aufgezeichnet.
- Die Fragerunde nach dem Vortrag wird nicht aufgezeichnet.
- Alle Teilnehmenden sind auf «Stumm», bitte selbstständig die Stummschaltung aufheben bei Wortmeldungen.
- Bei Fragen während dem Vortrag, bitte die virtuelle Hand heben oder direkt in die Chat Funktion schreiben.
- Die Präsentation wird auf Deutsch gehalten, die Folien sind in Englisch.
- Auf der Veranstaltungswebseite werden die Präsentationen und die Aufzeichnung zum Download zur Verfügung gestellt.

Agenda

BearingPoint

Introduction

AR, VR, MR, XR

Basics to know before we start

Business Transformations

Opportunities & Challenges

Virtual Reality Process Experience

How it works & how to start

Q&A Session

Discussion & Questions

BearingPoint: Facts and Figures

BearingPoint is an independent **management and technology consultancy**, with European roots and a global reach.

Our headline figures from 2020 present a picture of **expanding capability, innovation, investment, and a business with the scale and ambition to be leaders in the new reality.**

From the beginning, we have been different, **forward-thinking** and open to **ideas**. Our **people-centered** approach and progressive ways-of-working bring ideas, expertise, and resources together – enabling the innovation and IP creation that sets BearingPoint apart and prepares our clients for the future.

BearingPoint

 **€757m**

Total revenue

 **4,648**

People in the business

 **41**

Number of offices

 **23**

Number of countries with
BearingPoint offices

 **54**

Countries in which we
delivered projects

BearingPoint: Our global coverage



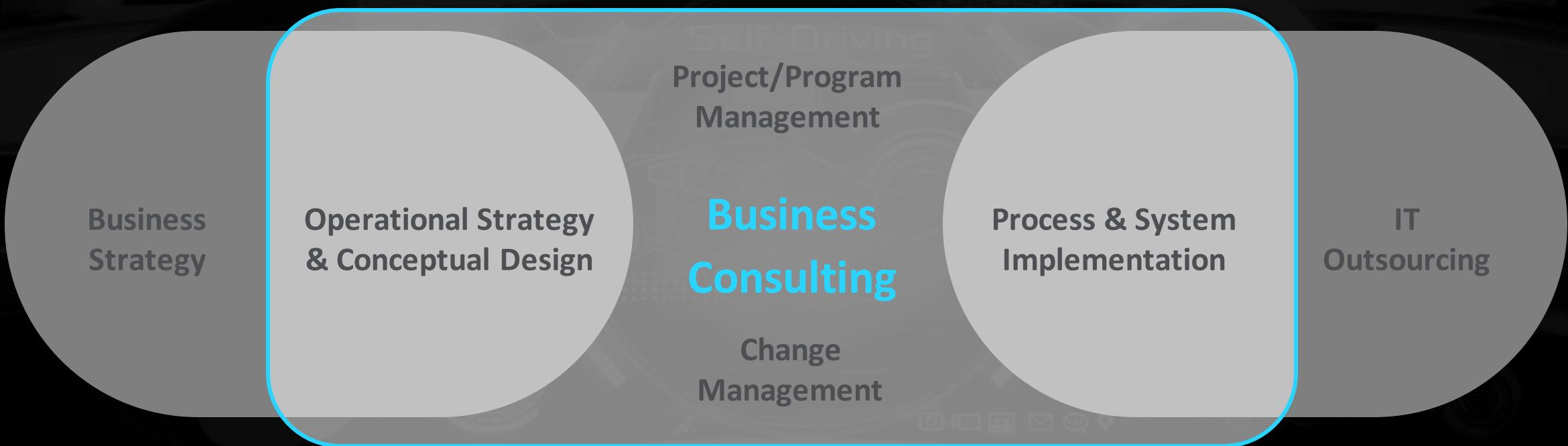
BearingPoint: Management and Technology consulting

We execute and implement strategies

We develop
strategies und processes
for sustainable and measurable added values.

Always focusing on customers.
We develop individual solutions – always considering the
customer's requirements –

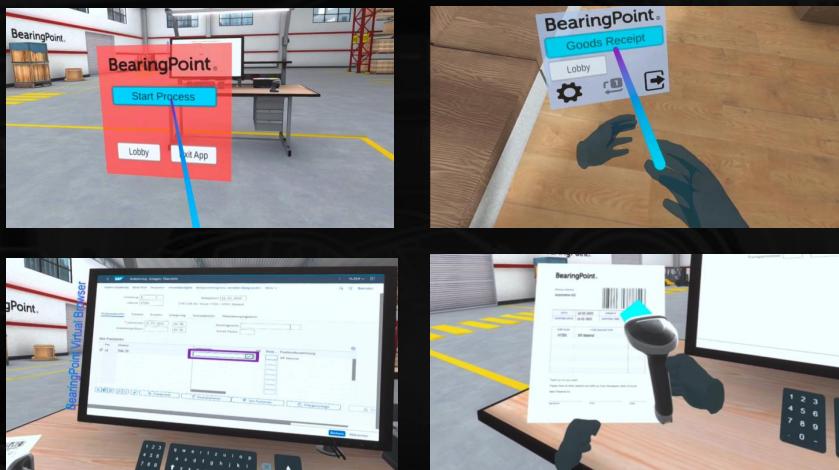
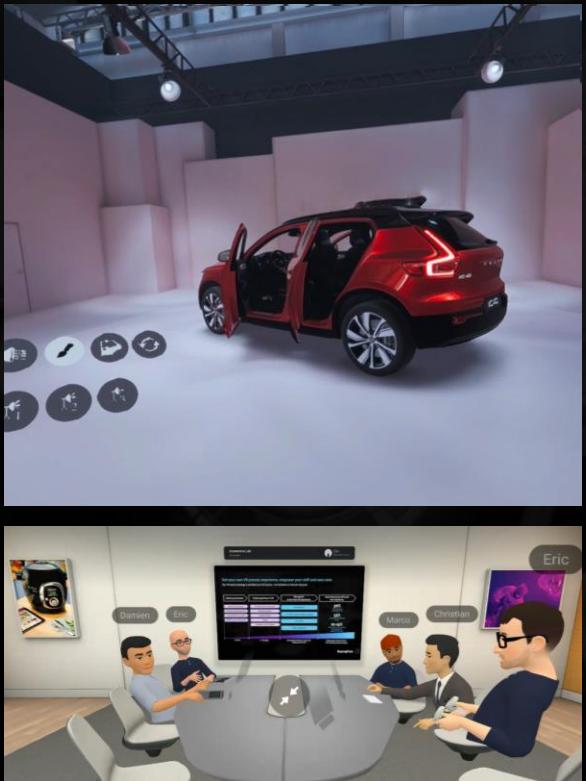
... and implement
the right technology
to target achievements and results.



We aim to disrupt business transformations by combining business and XR expertise

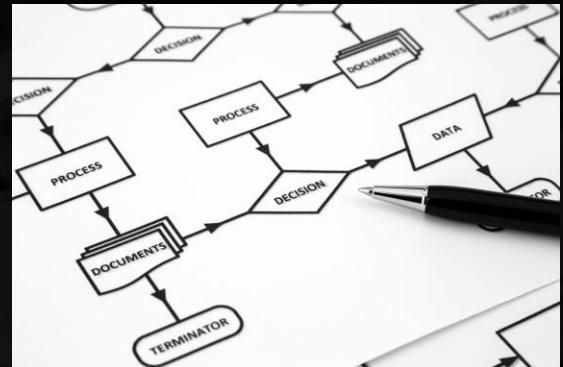
Extended reality (XR) & business transformation

Extended Reality



BearingPoint VR Process Experience

Business Transformation



BearingPoint®

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Be aware of the right technology for the right use case and target group

How to differentiate between AR, VR, MR, XR

Extended Reality (XR)

Virtual Reality VR



Mixed Reality MR



Smart Glasses AR



Head-up Display AR



Smartphone AR/VR



- Completely virtual world
- Focus on simulation

- Virtual objects in real environment
- Rather heavy headsets

- Smaller and lighter than MR
- Less complex than MR

- Built-in solutions
- Depending on vehicle

- Everyone has a smartphone
- Focus on consumer market

XR adoption is most advanced in Gaming, AEC, Automotive, Healthcare, Manufacturing

Typical use cases for extended reality (XR)

Architecture, Engineering, Construction

- Design & Engineering
- Safety Trainings
- Sales

Manufacturing / Automotive

- Design & Engineering
- Product configuration
- Safety Trainings
- Remote Maintenance

Healthcare

- Remote treatment
- Anxiety therapy

Retail

- Shopping
- Logistics

Generic (All Industries)

- Meetings
- Trainings
- Events
- Gaming

Most companies use XR in **BUSINESS OPERATIONS**.



Only few companies understood the potential of XR for **BUSINESS TRANSFORMATION**.

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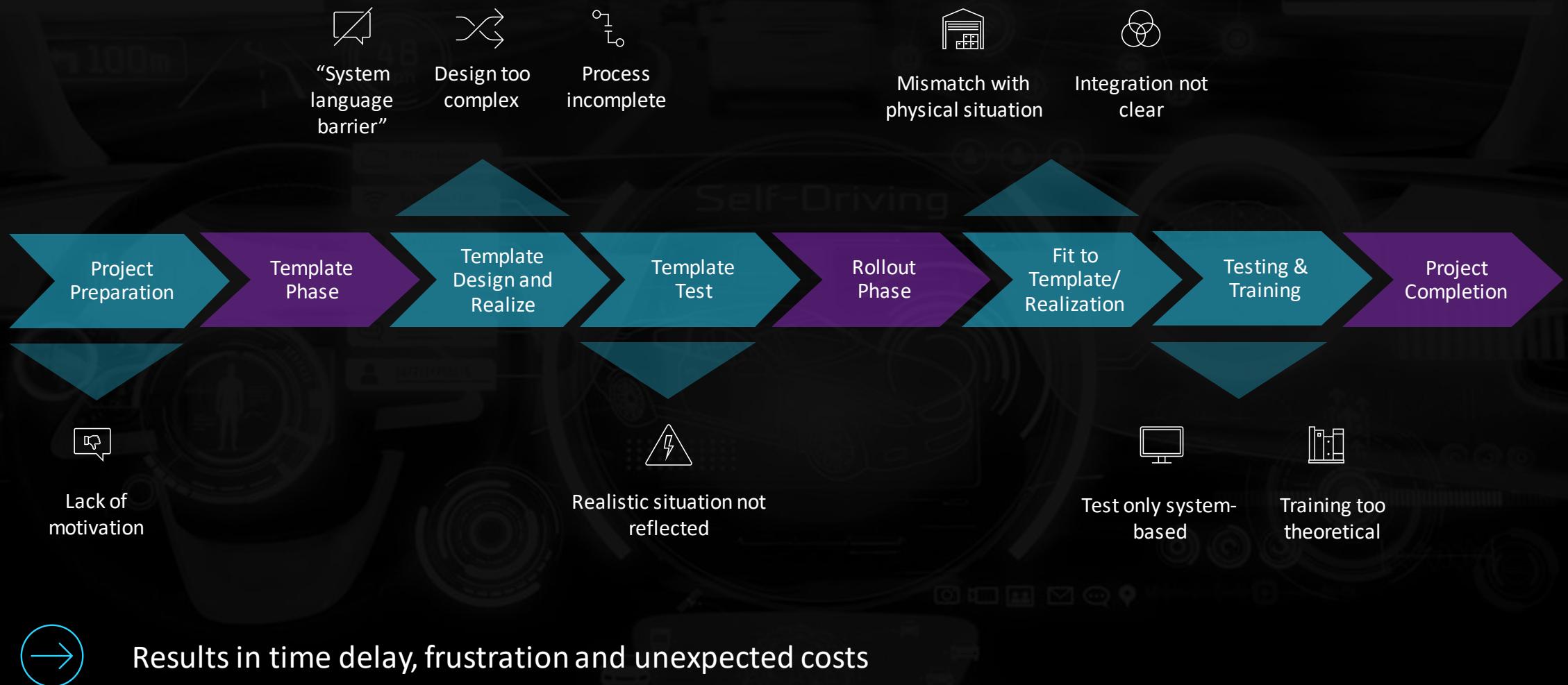
How it works & how to start

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Where challenges may occur along the phases of a business transformation project

Opportunities & Challenges: Complexity & cost drivers



Business transformation project methodology has evolved over time

Opportunities & Challenges: VR is combining theory, system and praxis

Theory

Paper/Flipchart



Process Profiles



Flow Charts



Praxis

Onsite Factory Tour

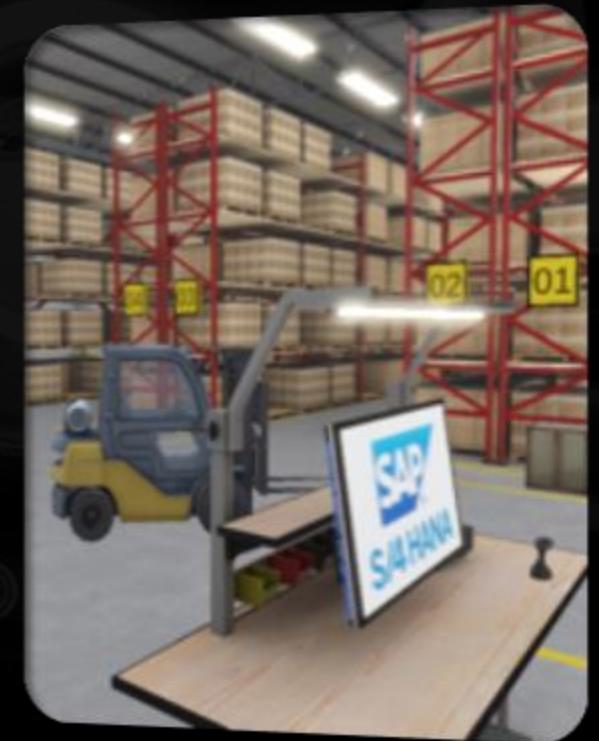


Warehouse Mock-Up



System

Demo Systems



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Virtual reality unleashes untapped potential for your business transformation project!

Opportunities & Challenges: Virtual Reality allows your organization to get future-ready



Employee motivation

New way of working

Automated processes

Consistent processes

Seeing is believing Process Experience in Virtual Reality

Opportunities & Challenges: VR reduces the business transformation costs

Demonstrating Dimensions



Simulation of the location where the business process is executed



Simulation of the IT system (e.g. SAP) to run the business process



Simulation of the people, tools and machines, connected to the IT system (SAP)



Improved Process KPIs



50% reduction of training times*



30% reduction of training cost*



10-15% estimated cost saving for process & system roll-outs*

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Seeing is believing: Process Experience in Virtual Reality

Video

Some impressions from an example process



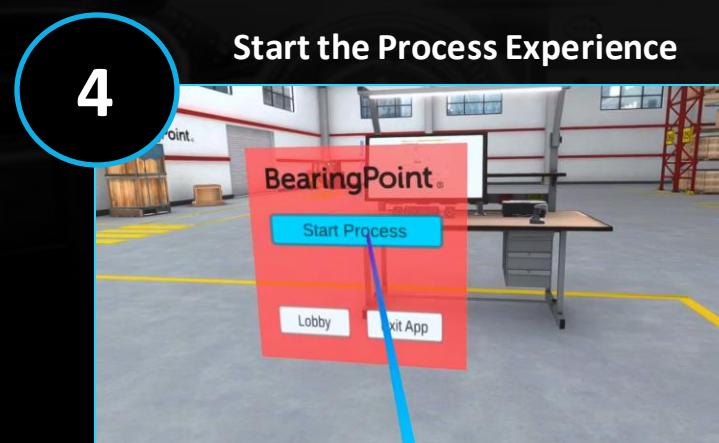
1 Setup your avatar



2 Meet clients/colleagues



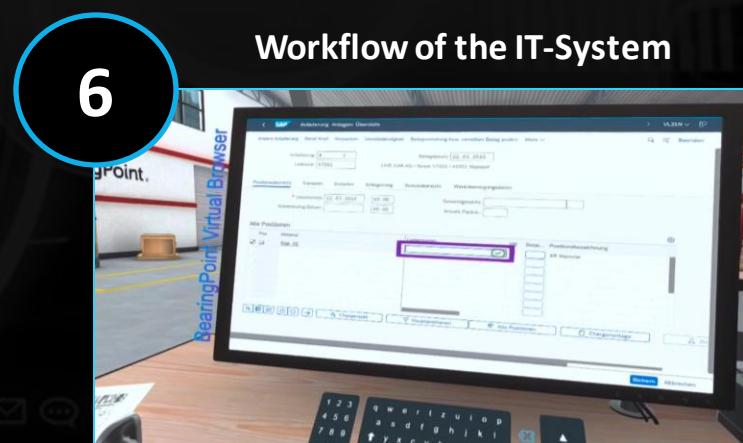
3 Jump together into processes



4 Start the Process Experience



5 Workflow outside the IT-System



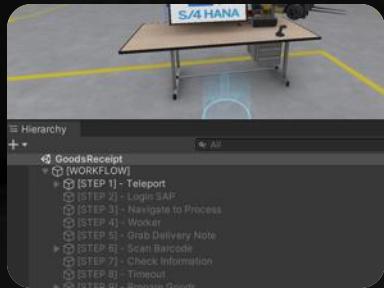
6 Workflow of the IT-System

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BearingPoint VR Process Experience Platform & Services

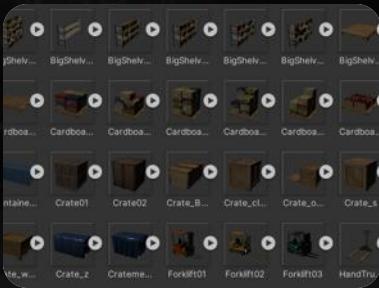
Modular VR Platform and service package

Asset Library



3D process and 3D model library for rapid creation of standard or individual processes

Asset Integration



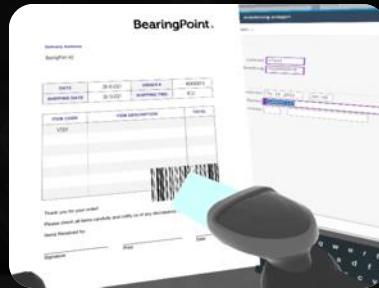
Implement your existing 3D models

VR Coaching



Enable your staff to use your own or our BearingPoint VR headsets

Interactive VR Workshops



Design and validate business processes (fit/gap) in interactive VR workshops, moderated by BearingPoint process experts

VR Testing & Training



Accelerate learnings in hands-on trainings of simulated real-life environments, accessible from any location

Out-of-the-box leading practice processes

Optimized for rapid customization to simulate your work environments (e.g. warehouse)

BearingPoint

VR Process Experience Platform

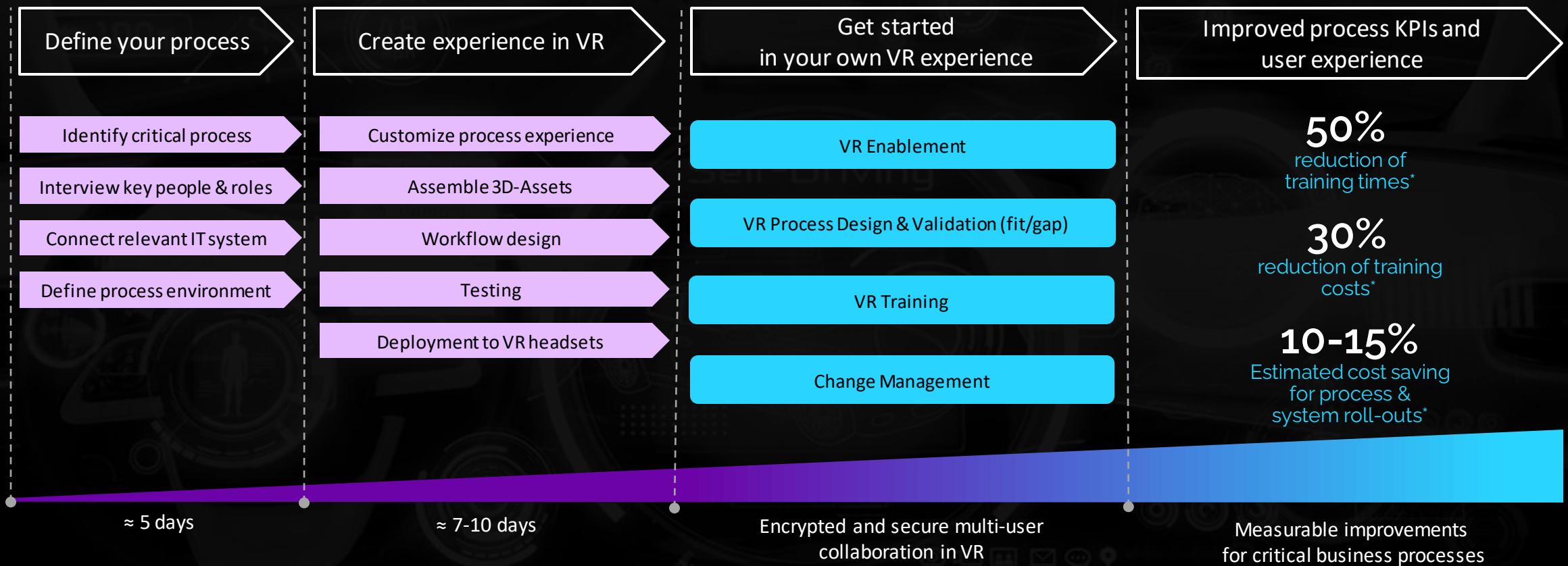
Cloud & on-premise options

Secure and encrypted environment to protect your IP

BearingPoint®

Get your own VR process experience, empower your staff and save costs

Our VR starter-package is available as a full service - no hardware or licenses required



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A dark background collage featuring various white and light gray icons related to technology, data, and business. These include a circuit board pattern, a telephone handset, three people in a hexagon, a gear, a line graph, a pie chart, a target with an arrow, a mail envelope, a smartphone, and a hexagonal grid. The icons are interconnected by a network of lines and dots.

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Bestand optimieren mit künstlicher Intelligenz

06.04.2022 / 9:00-10:00



Digitale Instandhaltung - neue Potenziale verwirklichen

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Thank you

Danke

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